



Safety Data Sheet

ASIN/Item No.: SSC 410/Slime Experience starter kit

Brand: SO SLIME

Manufacture: Canal Toys

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Date: 2025-11-28

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Signé pour et au nom de Canal Toys/ Signed for and on behalf of Canal Toys/ Firmado por y en nombre de Canal Toys/ Assinado por e em nome da Canal Toys/ Unterzeichnet für & im Namen von Canal Toys/ Firmato per e a nome di Canal Toys	CANAL TOYS 3-5, rue Jules Guesde 92300 LEVALLOIS PERRET Tél: 01 47 15 70 50 - Fax: 01 55 90 88 75 S.A.S. au capital de 211 408 € Paris 404 154 080 – Siret 404 154 080 000 75 NID TVA FR 82 404 154 080 – APE 4649 Z

Remark :main MSDS please see next page.

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Fragrance/Ambiance Perfume/Scented Colorant/Colorant



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***Prepared in accordance with EU REACH Regulation (REACH 1907/2006 with amendment 2020/878)**

Part 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product Name	Fragrance/Ambiance Perfume/Scented Colorant/Colorant
CAS No.	Not applicable
EC No.	Not applicable
Molecular Formula	Not applicable
REACH Registration Number	-
UFI	No information available

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Please consult manufacturer.
Uses advised against	Please consult manufacturer.

1.3 Details of the supplier of the Safety Data Sheet

Applicant Name	Canal Toys Ltd
Applicant Address	Room 401, 4th Floor, HKC Commercial entre, Dongcheng Avenue No. 5, Zhangmutou Town, Dongguan City, Guangdong Province, P. R. China.
Applicant Post Code	523618
Applicant Telephone	+86-769-8770 0857
Applicant Fax	+86-769-8770 3510
Applicant E-mail	gary.li@canaltoysasia.com
Supplier Name	Canal Toys Ltd
Supplier Address	Room 401, 4th Floor, HKC Commercial entre, Dongcheng Avenue No. 5, Zhangmutou Town, Dongguan City, Guangdong Province, P. R. China.
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Supplier Fax	+86-769-8770 3510
Supplier E-mail	gary.li@canaltoysasia.com

1.4 Emergency telephone number

Emergency telephone number	+86-769-8770 0857
Opening hours	24h

Part 2: Hazards identification

2.1 CLP classification according to Regulation (EC) No. 1272/2008 with amendment 2023/707

According to Regulation (EC) No 1272/2008 and its amendments. Not classified as a dangerous substance.

2.2 Label elements

Hazard pictograms	Not applicable
Signal word	Not applicable

Hazard statements

Hazard statements	Not applicable
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Precautionary statements

◆ Prevention

Prevention	Not applicable
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◆ Response

Response	Not applicable
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◆ Storage

Storage	Not applicable
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◆ Disposal

Disposal	Not applicable
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2.3 Other hazards

◆ Results of PBT and vPvB assessment

Component	Results of PBT and vPvB assessment [according to (EC) No 1907/2006 with amendment 2020/878]
Aqua	No information available
Parfum (NLF90373/ NLF90461/NLF90732-3(O)/N LF91255)	No information available
SODIUM DEHYDRO ACETATE	Not PBT/vPvB
May contain	No information available
FD & C Red No.3	Not PBT/vPvB
Titanium Dioxide	Not applicable
FD&C Blue No.1	Not PBT/vPvB
FD & C Yellow No.5	Not PBT/vPvB

◆ Results of endocrine disrupting properties assessment

Component	Results of endocrine disrupting properties assessment [according to (EU) No 2017/2100 or (EU) No 2018/605]
Aqua	No information available
Parfum (NLF90373/ NLF90461/NLF90732-3(O)/N LF91255)	No information available
SODIUM DEHYDRO ACETATE	No information available
May contain	No information available
FD & C Red No.3	No information available
Titanium Dioxide	No information available
FD&C Blue No.1	No information available
FD & C Yellow No.5	No information available

◆ Other

Not applicable.

Part 3: Composition/information on ingredients

3.1 Substance/mixture

Mixture

Component	Weight %content(or range)	Classification according to Regulation (EC) No. 1272/2008 with amendment 2023/707 [CLP]	SCL, M-factor and ATE
Aqua CAS No.: 7732-18-5 EC No.: 231-791-2 Index No.: -	85.525- 95.95	Not Classified	-
Parfum (NLF90373/ NLF90461/NLF90732-3(O)/N LF91255) CAS No.: - EC No.: - Index No.: -	4- 14	Not Classified	-
SODIUM DEHYDRO ACETATE CAS No.: 4418-26-2 EC No.: 224-580-1 Index No.: 607-164-00-8	0.05	Acute Toxicity - Oral, Category 4, H302	-
May contain CAS No.: - EC No.: - Index No.: -	0	No information available	-
FD & C Red No.3 CAS No.: 16423-68-0 EC No.: 240-474-8 Index No.: -	0- 0.42	Hazardous to the aquatic environment - long-term (chronic) hazard, Category 2, H411	-
Titanium Dioxide CAS No.: 13463-67-7 EC No.: 236-675-5 Index No.: -	0- 0.42	Not Classified	-
FD&C Blue No.1 CAS No.: 3844-45-9 EC No.: 223-339-8 Index No.: -	0- 0.42	Not Classified	-
FD & C Yellow No.5 CAS No.: 1934-21-0 EC No.: 217-699-5 Index No.: -	0- 0.42	Not Classified	-

Part 4: First aid measures

4.1 Description of first aid measures

General advice	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
Skin contact	No harm in general situation. First aid is not needed.
Ingestion	Never give anything by mouth to an unconscious person. Call a physician immediately.
Inhalation	Move victim into fresh air. If breathing is difficult, give oxygen and consult a physician

	immediately.
Protecting of first-aiders	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

4.2 Most important symptoms/effects, acute and delayed

1	Please see section 11.
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4.3 Indication of any immediate medical attention and special treatment needed

1	Treat symptomatically.
2	Symptoms may be delayed.

Part 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	Use extinguishing media suitable for surrounding area.
Unsuitable extinguishing media	There is no restriction on the type of extinguisher which may be used.

5.2 Specific hazards arising from the substance or mixture

1	Development of hazardous combustion gases or vapor possible in the event of fire.
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5.3 Advice for firefighters

1	As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
2	Fight fire from a safe distance, with adequate cover.
3	Prevent fire extinguishing water from contaminating surface water or the ground water system.

Part 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

1	Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.
2	Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
3	Use personal protective equipment, do not breathe gas/mist/vapour/spray.

6.2 Environmental precautions

1	Prevent further leakage or spillage if safe to do so.
2	Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

1	Keep leaks in a ventilated place.
2	Cut off the source of the leak as much as possible.
3	Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.
4	Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
5	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container.

6.4 Reference to other sections

1	Personal Protective Equipment advice is contained in Section 8 of the SDS.
2	Disposal considerations advice is contained in Section 13 of the SDS.

Part 7: Handling and storage

7.1 Precautions for safe handling

◆ Protective measures

1	Handling is performed in a well ventilated place.
2	Wear suitable protective equipment.
3	Avoid contact with skin and eyes.

◆ Measures to prevent fire

1	Keep away from heat/sparks/open flames/ hot surfaces.
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◆ Measures to prevent aerosol and dust generation

1	Not applicable.
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◆ Advice on general occupational hygiene

1	Wash hands and face after using of the substances.
2	Replace the contaminated clothing immediately.

7.2 Conditions for safe storage, including any incompatibilities

1	Keep containers tightly closed.
2	Keep containers in a dry, cool and well-ventilated place.
3	Keep away from heat/sparks/open flames/hot surfaces.
4	Store away from incompatible materials and foodstuff containers.

7.3 Specific end use(s)

1	In addition to use mentioned in the Section 1.2, unforeseen other specific end uses.
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Part 8: Exposure controls/personal protection

8.1 Control parameters

◆ Occupational exposure limit values

Component	Country/Region	Limit value - Eight hours		Limit value - Short term	
		ppm	mg/m ³	ppm	mg/m ³
Titanium Dioxide	France	-	11(inhalable aerosol)	-	-
	Germany (DFG)	-	0.3	-	2.4
	United Kingdom	-	10(inhalable fraction);4(respirable fraction)	-	-
	Belgium	-	10	-	-
	Denmark	-	6(total dust)	-	12(total dust)
	Ireland	-	10	-	-

◆ Biological limit values

Biological limit values	No relevant regulations
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◆ Monitoring methods

1	EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
2	GBZ/T 300 and GBZ/T 160 series standard Determination of toxic substances in workplace air.

◆ Derived No effect level (DNEL)

Component	Route of	DNEL for Workers
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	exposure	Acute effects (local)	Acute effects (systemic)	Chronic effects (local)	Chronic effects (systemic)
Aqua	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
Parfum (NLF90373/ NLF90461/NLF9073 2-3(O)/NLF91255)	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
SODIUM DEHYDRO ACETATE	Inhalation	No information available	No information available	No information available	10.99 mg/m3
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
May contain	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
FD & C Red No.3	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
Titanium Dioxide	Inhalation	No information available	No information available	0.17 mg/m3	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
FD&C Blue No.1	Inhalation	No information available	No information available	No information available	106 mg/m3
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
FD & C Yellow No.5	Inhalation	No information available	No information available	No information available	372.52 mg/m3
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available

◆ Predicted No Effect Concentration (PNEC)

Component	A	B	C	D	E	F	G	H
SODIUM DEHYDRO ACETATE	32.1 µg/L	3.21 µg/L	3.8 mg/L	147.7 µg/kg sediment dw	14.8 µg/kg sediment dw	No hazard identified	10.7 µg/kg soil dw	No potential for bioaccumulation
Titanium Dioxide	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No potential for bioaccum

								ulation
FD&C Blue No.1	100 µg/L	10 µg/L	100 mg/L	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No potential for bioaccumulation
FD & C Yellow No.5	120 µg/L	12 µg/L	10 mg/L	469.92 µg/kg sediment dw	46.992 µg/kg sediment dw	No hazard identified	23.53 µg/kg soil dw	No potential for bioaccumulation

Note 1:

A: Freshwater; B: Seawater; C: Sewage treatment plant; D: Sediment (freshwater); E: Sediment (seawater); F: Air; G: Soil; H: Secondary poisoning(Hazard for Predators).

Note 2:

The PNEC values of the remaining components not shown in the product are not available yet.

8.2 Exposure controls**8.2.1 Engineering controls**

1	Ensure adequate ventilation, especially in confined areas.
2	Ensure that eyewash stations and safety showers are close to the workstation location.
3	Set up emergency exit and necessary risk-elimination area.
4	Handle in accordance with good industrial hygiene and safety practice.

8.2.2 Personal protection equipment

General requirement	No special requirements, please see the description below.
Eye protection	In general situation, eye protection is not needed. In the production process, when contacting with vapour or dust, tightly fitting safety goggles.
Hand protection	In general situation, hand protection is not needed.
Respiratory protection	In general situation, respiratory protection is not needed. If exposure limits are exceeded or if irritation or other symptoms are experienced, wear dust proof mask or gas defence mask.
Skin and body protection	In general situation, skin and body protection are not needed.

8.2.3 Environmental exposure controls

Environmental exposure controls	No information available
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Part 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Physical state	Liquid
Colour	Yellow/Turquoise(Blue)/Pink/Transparent
Odor	No information available
Odor threshold	No information available
pH	No information available
Melting point/freezing point(°C)	No information available
Initial boiling point and boiling range(°C)	No information available
Flash point(Closed cup,°C)	No information available
Evaporation rate	No information available
Flammability	No information available

Upper/lower explosive limits[% (v/v)]	Upper limit: No information available; Lower limit: No information available
Vapor pressure	No information available
Relative vapour density(Air=1)	No information available
Relative density(Water=1)	No information available
Solubility	No information available
n-octanol/water partition coefficient	No information available
Auto-ignition temperature(°C)	No information available
Decomposition temperature(°C)	No information available
Kinematic viscosity(mm ² /s)	No information available
Explosive properties	No information available
Oxidizing properties	No information available
Particle characteristics	Not applicable

9.2 Other information

9.2.1 Information with regard to physical hazard classes

Information with regard to physical hazard classes	No information available
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9.2.2 Other safety characteristics

Other safety characteristics	No information available
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Part 10: Stability and reactivity

Stability and reactivity

10.1 Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
10.2 Chemical stability	Stable under proper operation and storage conditions.
10.3 Possibility of hazardous reactions	In contact with active metals (alkali metals, Na, Ca etc.) causes a reaction and release hydrogen.
10.4 Conditions to avoid	Incompatible materials, heat, flame and spark.
10.5 Incompatible materials	Alkali, sodium, calcium, and other active metal, halogen, metal oxide, nonmetal oxide, acyl halide and metal phosphide.
10.6 Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Part 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 with amendment 2023/707

Fragrance/Ambiance Perfume/Scented Colorant/Colorant	
Skin corrosion/irritation	Based on available data, the classification criteria are not met
Serious eye damage/irritation	Based on available data, the classification criteria are not met
Skin sensitization	Based on available data, the classification criteria are not met
Respiratory sensitization	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	Based on available data, the classification criteria are not met
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met

Germ cell mutagenicity	Based on available data, the classification criteria are not met
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Acute toxicity

Component	LD ₅₀ (oral)	LD ₅₀ (dermal)	LC ₅₀ (inhalation,4h)
FD & C Red No.3	1840mg/kg(Rat)	No information available	No information available
SODIUM DEHYDRO ACETATE	500mg/kg(Rat)	No information available	No information available
FD & C Yellow No.5	12750mg/kg(Mouse)	No information available	No information available

Carcinogenicity

Component	List of carcinogens by the IARC Monographs	Report on Carcinogens by NTP
Aqua	Not Listed	Not Listed
Parfum (NLF90373/NLF90461/NLF90732-3(O)/NLF91255)	Not Listed	Not Listed
SODIUM DEHYDRO ACETATE	Not Listed	Not Listed
May contain	Not Listed	Not Listed
FD & C Red No.3	Not Listed	Not Listed
Titanium Dioxide	Category 2B	Not Listed
FD&C Blue No.1	Category 3	Not Listed
FD & C Yellow No.5	Not Listed	Not Listed

11.2 Information on other hazards**11.2.1 Endocrine disrupting properties**

Component	Endocrine disrupting properties
Aqua	No information available
Parfum (NLF90373/NLF90461/NLF90732-3(O)/NLF91255)	No information available
SODIUM DEHYDRO ACETATE	No information available
May contain	No information available
FD & C Red No.3	No information available
Titanium Dioxide	No information available
FD&C Blue No.1	No information available
FD & C Yellow No.5	No information available

11.2.2 Other Information

Other Information	See Section 11.1
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Part 12: Ecological information**12.1 Toxicity****Acute aquatic toxicity**

Component	Fish	Crustaceans	Algae or other aquatic plants
FD & C Red No.3	LC ₅₀ : > 100mg/L (96h)(Fresh water fish)	EC ₅₀ : 8.1mg/L (48h)(Daphnia magna)	ErC ₅₀ : > 200mg/L (72h)(Freshwater algae)

SODIUM DEHYDRO ACETATE	LC ₅₀ : 100mg/L (96h)(Fresh water fish)	EC ₅₀ : > 100mg/L (48h)(Daphnia magna)	ErC ₅₀ : 32.1mg/L (72h)(Freshwater algae)
FD & C Yellow No.5	LC ₅₀ : > 120mg/L (96h)(Fresh water fish)	EC ₅₀ : > 125mg/L (48h)(Daphnia magna)	No information available

Chronic aquatic toxicity

Chronic aquatic toxicity No information available

12.2 Persistence and degradability

Component	Persistence (water/soil)	Persistence (air)
FD & C Red No.3	High	High
Titanium Dioxide	High	High
FD & C Yellow No.5	High	High

12.3 Bioaccumulative potential

Component	Bioaccumulative potential	Comments
FD & C Red No.3	High	Log Kow=6.2002
Titanium Dioxide	Low	BCF=10
FD & C Yellow No.5	Low	BCF=3

12.4 Mobility in soil

Component	log Koc	Remark	Data source
SODIUM DEHYDRO ACETATE	1	25 °C	ECHA
FD & C Red No.3	1.291	25 °C, pH=7.6	ECHA
Titanium Dioxide	1.375		Chemwatch
FD & C Yellow No.5	-4.228	20 °C, pH=7.0	ECHA

12.5 Results of PBT and vPvB assessment

Component	Results of PBT and vPvB assessment [according to (EC) No 1907/2006 with amendment 2020/878]
Aqua	No information available
Parfum (NLF90373/NLF90461/NLF90732-3(O)/NLF91255)	No information available
SODIUM DEHYDRO ACETATE	Not PBT/vPvB
May contain	No information available
FD & C Red No.3	Not PBT/vPvB
Titanium Dioxide	Not applicable
FD&C Blue No.1	Not PBT/vPvB
FD & C Yellow No.5	Not PBT/vPvB

12.6 Endocrine disrupting properties

Component	Endocrine disrupting properties
Aqua	No information available
Parfum (NLF90373/NLF90461/NLF90732-3(O)/NLF91255)	No information available
SODIUM DEHYDRO ACETATE	No information available

May contain	No information available
FD & C Red No.3	No information available
Titanium Dioxide	No information available
FD&C Blue No.1	No information available
FD & C Yellow No.5	No information available

12.7 Other adverse effects

	No information available
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Part 13: Disposal considerations

13.1 Waste treatment methods

Waste chemicals	Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.
Contaminated packaging	Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.
Disposal recommendations	Refer to section waste chemicals and contaminated packaging.

Part 14: Transport information

Label

Transporting Label	Not applicable
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IMDG-CODE

IMDG-CODE	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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ICAO/IATA-DGR

ICAO/IATA-DGR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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UN-ADR

UN-ADR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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Special precautions for user

	Transport vehicles should be equipped with the appropriate variety and quantity of fire equipment and emergency equipment leakage during transport. Before transport, should be preceded by checking whether container integrity, sealing. The transport unit must be placarded and marked in accordance with relevant transporting requirements.
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Maritime transport in bulk according to IMO instruments

- ◆ Transport in bulk according to Annex II of MARPOL and the IBC code

	No information available
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- ◆ Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

	No information available
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- ◆ Transport in bulk in accordance with the IGC Code

	No information available
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Part 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

International chemical inventory

Component	A	B	C	D	E	F	G	H	I	J	K	L	M
Aqua	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Parfum (NLF90373/ NLF90461/NLF90732-3(O)/N LF91255)	×	×	×	×	×	×	×	×	×	×	×	×	×
SODIUM DEHYDRO ACETATE	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓
May contain	×	×	×	×	×	×	×	×	×	×	×	×	×
FD & C Red No.3	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓
Titanium Dioxide	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FD&C Blue No.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FD & C Yellow No.5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

- 【A】** China Inventory of Existing Chemical Substances(IECSC)
【B】 European Inventory of Existing Commercial Chemical Substances(EC inventory)
【C】 United States Toxic Substances Control Act Inventory(TSCA)
【D】 Canadian Domestic Substances List(DSL)
【E】 New Zealand Inventory of Chemicals(NZIoC)
【F】 Philippines Inventory of Chemicals and Chemical Substances(PICCS)
【G】 Korea Existing Chemicals Inventory(KECL)
【H】 Australian. Inventory of Industrial Chemical (AIICS)
【I】 Japan Inventory of Existing & New Chemical Substances(ENCS)
【J】 Thailand Existing Chemicals Inventory(TECI)
【K】 Mexico National Inventory of Chemical Substances(INSQ)
【L】 Russia Inventory of Existing Substances(DRAFT)
【M】 Inventory of Existing Chemical Substances in Taiwan, China(TCSI)

List of Chemical Substances under International Conventions

Component	A	B	C
Aqua	×	×	×
Parfum (NLF90373/ NLF90461/NLF90732-3(O)/NLF91255)	×	×	×
SODIUM DEHYDRO ACETATE	×	×	×
May contain	×	×	×
FD & C Red No.3	×	×	×
Titanium Dioxide	×	×	×
FD&C Blue No.1	×	×	×
FD & C Yellow No.5	×	×	×

- 【A】** The Montreal Protocol on Substances that Deplete the Ozone Layer
【B】 Stockholm Convention on Persistent Organic Pollutants (POPs)
【C】 Rotterdam Convention on the prior informed consent procedure for certain hazardous chemicals and pesticides in international trade

European chemical inventory

Component	A	B	C	D	E	F	G	H	I
Aqua	×	×	×	✓	×	×	×	×	×
Parfum (NLF90373/ NLF90461/NLF90732-3(O)/NL F91255)	×	×	×	×	×	×	×	×	×
SODIUM DEHYDRO ACETATE	×	×	×	✓	✓	×	×	×	×
May contain	×	×	×	×	×	×	×	×	×

FD & C Red No.3	×	×	×	✓	✓	×	×	×	×
Titanium Dioxide	×	×	×	✓	✓	✓	×	×	×
FD&C Blue No.1	×	×	×	✓	✓	×	×	×	×
FD & C Yellow No.5	×	×	×	✓	✓	×	×	×	×

- 【A】** Candidate list of Substances of Very High Concern for authorization under EU REACH regulation
【B】 Substances requiring authorisation under EU REACH regulation
【C】 Substances restricted under EU REACH
【D】 Pre-registered substances under EU REACH
【E】 Registered substances under EU REACH
【F】 Substance Evaluation – CoRAP under EU REACH
【G】 List of priority substances under EU water policy (Directive 2455/2001/EC)
【H】 Substances subject to POPs Regulation
【I】 Substances proposed as POPs

Note:

“✓” Indicates that the substance included in the regulations.

“×” No data or not included in the regulations.

German water hazard class(WGK)

Component	WGK	Remark
FD & C Red No.3	WGK 1	
Titanium Dioxide	nwg	
FD&C Blue No.1	WGK 1	
FD & C Yellow No.5	WGK 1	

- 【WGK 1】** slightly hazardous to water
【WGK 2】 obviously hazardous to water
【WGK 3】 highly hazardous to water
【nwg】 non-hazardous to water
【awg】 hazardous to water in general

German technical instructions on air quality control(TA LUFT)

Component	TA LUFT	Remark
SODIUM DEHYDRO ACETATE	Chapter 5.2.5 Organic Substances, dust,including fine dust.To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values:Mass flow:0,20 kg/hr or Mass conc.:20 mg/m ³ The mass per unit volume of 0,15 g/m ³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h.For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m ³ .	
FD & C Red No.3	Chapter 5.2.5 Organic Substances, dust,including fine dust.To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values:Mass flow:0,20 kg/hr or Mass conc.:20 mg/m ³ The mass per unit volume of 0,15 g/m ³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20	

	kg/h.For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m ³ .	
Titanium Dioxide	Chapter 5.2.2 Inorganic Dusts, class III. Also with the presChapter 5.2.7.1.1 Carcinogenic SubstancesThe substance must be assigned to the class (I, II or III) whose substances have the nearest potency. We can not accomplish this evaluation due to insufficiency of data.Carcinogenic substances not mentioned by name and for which no information on potency is available should be assigned to Class I as a precautionary measure.ence of several substances of the same class, the following values are not allowed to be exceeded in the exhaust gas:Mass flow:5 g/hr or Mass conc.:1 mg/m ³	powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm
FD & C Yellow No.5	Chapter 5.2.5 Organic Substances, dust,including fine dust.To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values:Mass flow:0,20 kg/hr or Mass conc.:20 mg/m ³ The mass per unit volume of 0,15 g/m ³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h.For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m ³ .	

German technical rules for hazardous substances(TRGS)

Component	TRGS	Remark
Aqua	TRGS 500 TRGS 509 TRGS 510	
SODIUM DEHYDRO ACETATE	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 500 TRGS 509 TRGS 510 TRGS 800	
FD & C Red No.3	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Titanium Dioxide	TRGS 402 TRGS 500 TRGS 509 TRGS 510	
FD & C Yellow No.5	TRGS 500 TRGS 509 TRGS 510 TRGS 800	

15.2 Chemical safety assessment

	No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.
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Part 16: Other information

Information on revision

Creation Date	2025/09/24
Revision Date	-
Reason for revision	-

Reference

- 【1】 IPCS: The International Chemical Safety Cards (ICSC), website: <http://www.ilo.org/dyn/icsc/showcard.home>.
 【2】 IARC, website: <http://www.iarc.fr/>.

- 【3】** OECD: The Global Portal to Information on Chemical Substances, website: <https://www.echemportal.org/echemportal/>.
【4】 CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>.
【5】 NLM: ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>.
【6】 EPA: Integrated Risk Information System, website: <http://cfpub.epa.gov/iris/>.
【7】 U.S. Department of Transportation: ERG, website: <http://www.phmsa.dot.gov/hazmat/library/erg>.
【8】 Germany GESTIS-database on hazard substance, website: <http://gestis-en.itrust.de/>.

Abbreviations and acronyms

CAS	Chemical Abstracts Service	UN	The United Nations
PC-STEL	Short term exposure limit	OECD	Organization for Economic Co-operation and Development
PC-TWA	Time Weighted Average	IMDG-CODE	International Maritime Dangerous Goods CODE
MAC	Maximum Allowable Concentration	IARC	International Agency for Research on Cancer
DNEL	Derived No Effect Level	ICAO	International Civil Aviation Organization
PNEC	Predicted No Effect Concentration	IATA	International Air Transportation Association
NOEC	No Observed Effect Concentration	ACGIH	American Conference of Governmental Industrial Hygienists
LC ₅₀	Lethal Concentration 50%	NFPA	National Fire Protection Association
LD ₅₀	Lethal Dose 50%	NTP	National Toxicology Program
EC ₅₀	Effective Concentration 50%	PBT	Persistent, Bioaccumulative, Toxic
EC _x	Effective Concentration X%	vPvB	very Persistent, very Bioaccumulative
P _{OW}	Partition coefficient Octanol: Water	CMR	Carcinogens, mutagens or substances toxic to reproduction
BCF	Bioconcentration factor	RPE	Respiratory Protective Equipment
ED	Endocrine disruptor	G1	Carcinogenic to humans
G2A	Probably carcinogenic to humans	G2B	Possibly carcinogenic to humans
G3	Not yet classified as carcinogenic to humans	G4	Probably not carcinogenic to humans

Disclaimer

This Safety Data Sheet (SDS) was prepared according to REACH Regulation The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

Colorant/Colorant Gel

Version: V2.0.1.1
Report No.: HGBZ2509N5E1
Creation Date: 2025/09/23
Revision Date: -

*Prepared in accordance with EU REACH Regulation (REACH 1907/2006 with amendment 2020/878)|GHS (10th Revised Edition)

Part 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product Name	Colorant/Colorant Gel
CAS No.	Not applicable
EC No.	Not applicable
Molecular Formula	Not applicable
REACH Registration Number	-
UFI	No information available

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Please consult manufacturer.
Uses advised against	Please consult manufacturer.

1.3 Details of the supplier of the Safety Data Sheet

Applicant Name	Canal Toys Ltd
Applicant Address	Room 401, 4th Floor, HKC Commercial entre, Dongcheng Avenue No. 5, Zhangmutou Town, Dongguan City, Guangdong Province, P. R. China.
Applicant Post Code	523618
Applicant Telephone	+86-769-8770 0857
Applicant Fax	+86-769-8770 3510
Applicant E-mail	gary.li@canaltoysasia.com
Supplier Name	Canal Toys Ltd
Supplier Address	Room 401, 4th Floor, HKC Commercial entre, Dongcheng Avenue No. 5, Zhangmutou Town, Dongguan City, Guangdong Province, P. R. China.
Supplier Post Code	523618
Supplier Telephone	+86-769-8770 0857
Supplier Fax	+86-769-8770 3510
Supplier E-mail	gary.li@canaltoysasia.com

1.4 Emergency telephone number

Emergency telephone number	+86-769-8770 0857
Opening hours	24h

Part 2: Hazards identification

2.1 CLP classification according to Regulation (EC) No. 1272/2008 with amendment 2023/707|hazard classification according to GHS

According to Regulation (EC) No 1272/2008 and its amendments and GHS (10th Revised Edition) . Not classified as a dangerous

substance.

2.2 Label elements

Hazard pictograms	Not applicable
Signal word	Not applicable

Hazard statements

Hazard statements	Not applicable
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Precautionary statements

◆ Prevention

Prevention	Not applicable
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◆ Response

Response	Not applicable
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◆ Storage

Storage	Not applicable
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◆ Disposal

Disposal	Not applicable
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2.3 Other hazards

◆ Results of PBT and vPvB assessment

Component	Results of PBT and vPvB assessment [according to (EC) No 1907/2006 with amendment 2020/878]
Aqua(Water)	No information available
Starch	No information available
Agar Powder	No information available
Sodium Dehydroacetate	Not PBT/vPvB
May Contain	No information available
FD & C Yellow No.5	Not PBT/vPvB
FD & C Red No.3	Not PBT/vPvB
Titanium Dioxide	Not applicable
Manganese Violet	Not applicable
Carbon Black	Not PBT/vPvB
FD & C Blue No. 1	Not PBT/vPvB
FD & C Yellow No. 6	Not PBT/vPvB
FD & C Red No. 27	Not PBT/vPvB
Aluminum Lake	Not PBT/vPvB
FD & C Blue 1 Ai Lake	Not PBT/vPvB

◆ Results of endocrine disrupting properties assessment

Component	Results of endocrine disrupting properties assessment [according to (EU) No 2017/2100 or (EU) No 2018/605]
Aqua(Water)	No information available
Starch	No information available

Agar Powder	No information available
Sodium Dehydroacetate	No information available
May Contain	No information available
FD & C Yellow No.5	No information available
FD & C Red No.3	No information available
Titanium Dioxide	No information available
Manganese Violet	No information available
Carbon Black	No information available
FD & C Blue No. 1	No information available
FD & C Yellow No. 6	No information available
FD & C Red No. 27	No information available
Aluminum Lake	No information available
FD & C Blue 1 Ai Lake	No information available

◆ Other

	Not applicable.
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Part 3: Composition/information on ingredients

3.1 Substance/mixture

	Mixture
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Component	Weight %content(or range)	Classification according to Regulation (EC) No. 1272/2008 with amendment 2023/707 [CLP]	SCL, M-factor and ATE
Aqua(Water) CAS No.: 7732-18-5 EC No.: 231-791-2 Index No.: -	92	Not Classified	-
Starch CAS No.: 9005-25-8 EC No.: 232-679-6 Index No.: -	5.7	Not Classified	-
Agar Powder CAS No.: 9002-18-0 EC No.: 232-658-1 Index No.: -	2.2	Not Classified	-
Sodium Dehydroacetate CAS No.: 4418-26-2 EC No.: 224-580-1 Index No.: 607-164-00-8	0.05	Acute Toxicity - Oral, Category 4, H302	-
May Contain			
FD & C Yellow No.5 CAS No.: 1934-21-0 EC No.: 217-699-5 Index No.: -	0- 0.04	Not Classified	-
FD & C Red No.3 CAS No.: 16423-68-0 EC No.: 240-474-8 Index No.: -	0- 0.04	Hazardous to the aquatic environment - long-term (chronic) hazard, Category 2, H411	-
Titanium Dioxide CAS No.: 13463-67-7	0- 0.04	Not Classified	-

EC No.: 236-675-5 Index No.: -			
Manganese Violet CAS No.: 10101-66-3 EC No.: 233-257-4 Index No.: -	0- 0.04	Not Classified	-
Carbon Black CAS No.: 1333-86-4 EC No.: 215-609-9 Index No.: -	0- 0.04	Not Classified	-
FD & C Blue No. 1 CAS No.: 3844-45-9 EC No.: 223-339-8 Index No.: -	0- 0.04	Not Classified	-
FD & C Yellow No. 6 CAS No.: 2783-94-0 EC No.: 220-491-7 Index No.: -	0- 0.04	Not Classified	-
FD & C Red No. 27 Aluminum Lake CAS No.: 15876-58-1 EC No.: 240-012-5 Index No.: -	0- 0.04	Not Classified	-
FD & C Blue 1 Ai Lake CAS No.: 68921-42-6 EC No.: 272-939-6 Index No.: -	0- 0.04	Not Classified	-

Part 4: First aid measures

4.1 Description of first aid measures

General advice	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
Skin contact	No harm in general situation. First aid is not needed.
Ingestion	Never give anything by mouth to an unconscious person. Call a physician immediately.
Inhalation	Move victim into fresh air. If breathing is difficult, give oxygen and consult a physician immediately.
Protecting of first-aiders	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

4.2 Most important symptoms/effects, acute and delayed

1	Please see section 11.
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4.3 Indication of any immediate medical attention and special treatment needed

1	Treat symptomatically.
2	Symptoms may be delayed.

Part 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	Use extinguishing media suitable for surrounding area.
Unsuitable extinguishing media	There is no restriction on the type of extinguisher which may be used.

5.2 Specific hazards arising from the substance or mixture

- | | |
|---|---|
| 1 | Development of hazardous combustion gases or vapor possible in the event of fire. |
|---|---|

5.3 Advice for firefighters

- | | |
|---|---|
| 1 | As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear. |
| 2 | Fight fire from a safe distance, with adequate cover. |
| 3 | Prevent fire extinguishing water from contaminating surface water or the ground water system. |

Part 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- | | |
|---|---|
| 1 | Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges. |
| 2 | Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. |
| 3 | Use personal protective equipment, do not breathe gas/mist/vapour/spray. |

6.2 Environmental precautions

- | | |
|---|---|
| 1 | Prevent further leakage or spillage if safe to do so. |
| 2 | Discharge into the environment must be avoided. |

6.3 Methods and materials for containment and cleaning up

- | | |
|---|---|
| 1 | Keep leaks in a ventilated place. |
| 2 | Cut off the source of the leak as much as possible. |
| 3 | Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations. |
| 4 | Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding. |
| 5 | Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container. |

6.4 Reference to other sections

- | | |
|---|--|
| 1 | Personal Protective Equipment advice is contained in Section 8 of the SDS. |
| 2 | Disposal considerations advice is contained in Section 13 of the SDS. |

Part 7: Handling and storage

7.1 Precautions for safe handling

◆ Protective measures

- | | |
|---|---|
| 1 | Handling is performed in a well ventilated place. |
| 2 | Wear suitable protective equipment. |
| 3 | Avoid contact with skin and eyes. |

◆ Measures to prevent fire

- | | |
|---|---|
| 1 | Keep away from heat/sparks/open flames/ hot surfaces. |
|---|---|

◆ Measures to prevent aerosol and dust generation

- | | |
|---|-----------------|
| 1 | Not applicable. |
|---|-----------------|

◆ Advice on general occupational hygiene

- | | |
|---|--|
| 1 | Wash hands and face after using of the substances. |
| 2 | Replace the contaminated clothing immediately. |

7.2 Conditions for safe storage, including any incompatibilities

- | | |
|---|---|
| 1 | Keep containers tightly closed. |
| 2 | Keep containers in a dry, cool and well-ventilated place. |

- 3 Keep away from heat/sparks/open flames/hot surfaces.
- 4 Store away from incompatible materials and foodstuff containers.

7.3 Specific end use(s)

- 1 In addition to use mentioned in the Section 1.2, unforeseen other specific end uses.

Part 8: Exposure controls/personal protection

8.1 Control parameters

◆ Occupational exposure limit values

Component	Country/Region	Limit value - Eight hours		Limit value - Short term	
		ppm	mg/m ³	ppm	mg/m ³
Starch	United Kingdom	-	10(inhalable fraction);4(respirable fraction)	-	-
	Belgium	-	10	-	-
	Ireland	-	10	-	-
	New Zealand	-	10	-	-
	Spain	-	10(inhalable aerosol)	-	-
	Switzerland	-	3(respirable aerosol)	-	-
Titanium Dioxide	France	-	11(inhalable aerosol)	-	-
	Germany (DFG)	-	0.3	-	2.4
	United Kingdom	-	10(inhalable fraction);4(respirable fraction)	-	-
	Belgium	-	10	-	-
	Denmark	-	6(total dust)	-	12(total dust)
	Ireland	-	10	-	-
Manganese Violet	USA - ACGIH	-	0.02(as Mn, respirable fraction)	-	-
Carbon Black	France	-	3.5	-	-
	United Kingdom	-	3.5	-	7
	Belgium	-	3	-	-
	Denmark	-	3.5	-	7
	Finland	-	3.5	-	7
	Hungary	-	3	-	-

◆ Biological limit values

Biological limit values No relevant regulations

◆ Monitoring methods

- 1 EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
- 2 GBZ/T 300 and GBZ/T 160 series standard Determination of toxic substances in workplace air.

◆ Derived No effect level (DNEL)

Component	Route of exposure	DNEL for Workers			
		Acute effects (local)	Acute effects (systemic)	Chronic effects (local)	Chronic effects (systemic)
Aqua(Water)	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
Starch	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
Agar Powder	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
Sodium Dehydroacetate	Inhalation	No information available	No information available	No information available	10.99 mg/m3
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
May Contain	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
FD & C Yellow No.5	Inhalation	No information available	No information available	No information available	372.52 mg/m3
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
FD & C Red No.3	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
Titanium Dioxide	Inhalation	No information available	No information available	0.17 mg/m3	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
Manganese Violet	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
Carbon Black	Inhalation	No information available	No information available	No information available	1 mg/m3
	Oral	No information available	No information available	No information available	No information available

	Dermal	No information available	No information available	No information available	No information available
FD & C Blue No. 1	Inhalation	No information available	No information available	No information available	106 mg/m3
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
FD & C Yellow No. 6	Inhalation	No information available	No information available	No information available	1469.298 mg/m3
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
FD & C Red No. 27 Aluminum Lake	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
FD & C Blue 1 Ai Lake	Inhalation	No information available	No information available	No information available	49.3 mg/m3
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available

◆ Predicted No Effect Concentration (PNEC)

Component	A	B	C	D	E	F	G	H
Sodium Dehydroacetate	32.1 µg/L	3.21 µg/L	3.8 mg/L	147.7 µg/kg sediment dw	14.8 µg/kg sediment dw	No hazard identified	10.7 µg/kg soil dw	No potential for bioaccumulation
FD & C Yellow No.5	120 µg/L	12 µg/L	10 mg/L	469.92 µg/kg sediment dw	46.992 µg/kg sediment dw	No hazard identified	23.53 µg/kg soil dw	No potential for bioaccumulation
Titanium Dioxide	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No potential for bioaccumulation
Carbon Black	50 mg/L	No information available	No information available	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No potential for bioaccumulation
FD & C Blue No. 1	100 µg/L	10 µg/L	100 mg/L	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No potential for bioaccumulation
FD & C Yellow No. 6	113.2 - 165 µg/L	11.32 - 16.5 µg/L	1.76 mg/L	72054.27 9 mg/kg sediment dw	72054.27 9 mg/kg sediment dw	No hazard identified	34.5 g/kg soil dw	No potential for bioaccumulation
FD & C Red No. 27 Aluminum Lake	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No potential for

								bioaccumulation
FD & C Blue 1 Ai Lake	100 µg/L	10 µg/L	No hazard identified	1.59 mg/kg sediment dw	159 µg/kg sediment dw	No hazard identified	260 µg/kg soil dw	No potential for bioaccumulation

Note 1:

A: Freshwater; B: Seawater; C: Sewage treatment plant; D: Sediment (freshwater); E: Sediment (seawater); F: Air; G: Soil; H: Secondary poisoning(Hazard for Predators).

Note 2:

The PNEC values of the remaining components not shown in the product are not available yet.

8.2 Exposure controls**8.2.1 Engineering controls**

1	Ensure adequate ventilation, especially in confined areas.
2	Ensure that eyewash stations and safety showers are close to the workstation location.
3	Set up emergency exit and necessary risk-elimination area.
4	Handle in accordance with good industrial hygiene and safety practice.

8.2.2 Personal protection equipment

General requirement	No special requirements, please see the description below.
Eye protection	In general situation, eye protection is not needed. In the production process, when contacting with vapour or dust, tightly fitting safety goggles.
Hand protection	In general situation, hand protection is not needed.
Respiratory protection	In general situation, respiratory protection is not needed. If exposure limits are exceeded or if irritation or other symptoms are experienced, wear dust proof mask or gas defence mask.
Skin and body protection	In general situation, skin and body protection are not needed.

8.2.3 Environmental exposure controls

Environmental exposure controls	No information available
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Part 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Physical state	Gel
Colour	Neon Yellow/Yellow/Blue/Dark Blue/Neon Purple/Purple/Light Pink/Pink/Coral/Neon Coral/Green/Teal
Odor	No information available
Odor threshold	No information available
pH	No information available
Melting point/freezing point(°C)	No information available
Initial boiling point and boiling range(°C)	No information available
Flash point(Closed cup,°C)	No information available
Evaporation rate	No information available
Flammability	No information available
Upper/lower explosive limits[% (v/v)]	Upper limit: No information available; Lower limit: No information available
Vapor pressure	No information available

Relative vapour density(Air=1)	No information available
Relative density(Water=1)	No information available
Solubility	No information available
n-octanol/water partition coefficient	No information available
Auto-ignition temperature(°C)	No information available
Decomposition temperature(°C)	No information available
Kinematic viscosity(mm ² /s)	No information available
Explosive properties	No information available
Oxidizing properties	No information available
Particle characteristics	Not applicable

9.2 Other information

9.2.1 Information with regard to physical hazard classes

Information with regard to physical hazard classes	No information available
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9.2.2 Other safety characteristics

Other safety characteristics	No information available
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Part 10: Stability and reactivity

Stability and reactivity

10.1 Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
10.2 Chemical stability	Stable under proper operation and storage conditions.
10.3 Possibility of hazardous reactions	In contact with active metals (alkali metals, Na, Ca etc.) causes a reaction and release hydrogen.
10.4 Conditions to avoid	Incompatible materials, heat, flame and spark.
10.5 Incompatible materials	Alkali, sodium, calcium, and other active metal, halogen, metal oxide, nonmetal oxide, acyl halide and metal phosphide.
10.6 Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Part 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 with amendment 2023/707

Colorant/Colorant Gel	
Skin corrosion/irritation	Based on available data, the classification criteria are not met
Serious eye damage/irritation	Based on available data, the classification criteria are not met
Skin sensitization	Based on available data, the classification criteria are not met
Respiratory sensitization	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	Based on available data, the classification criteria are not met
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met

Acute toxicity

Component	LD ₅₀ (oral)	LD ₅₀ (dermal)	LC ₅₀ (inhalation,4h)
FD & C Red No.3	1840mg/kg(Rat)	No information available	No information available
Agar Powder	11000mg/kg(Rat)	No information available	No information available
Carbon Black	> 15400mg/kg(Rat)	> 3000mg/kg(Rabbit)	No information available
Sodium Dehydroacetate	500mg/kg(Rat)	No information available	No information available
FD & C Yellow No. 6	> 10000mg/kg(Rat)	No information available	No information available
FD & C Yellow No.5	12750mg/kg(Mouse)	No information available	No information available

Carcinogenicity

Component	List of carcinogens by the IARC Monographs	Report on Carcinogens by NTP
Aqua(Water)	Not Listed	Not Listed
Starch	Not Listed	Not Listed
Agar Powder	Not Listed	Not Listed
Sodium Dehydroacetate	Not Listed	Not Listed
May Contain	Not Listed	Not Listed
FD & C Yellow No.5	Not Listed	Not Listed
FD & C Red No.3	Not Listed	Not Listed
Titanium Dioxide	Category 2B	Not Listed
Manganese Violet	Not Listed	Not Listed
Carbon Black	Category 2B	Not Listed
FD & C Blue No. 1	Category 3	Not Listed
FD & C Yellow No. 6	Category 3	Not Listed
FD & C Red No. 27 Aluminum Lake	Not Listed	Not Listed
FD & C Blue 1 Ai Lake	Not Listed	Not Listed

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Component	Endocrine disrupting properties
Aqua(Water)	No information available
Starch	No information available
Agar Powder	No information available
Sodium Dehydroacetate	No information available
May Contain	No information available
FD & C Yellow No.5	No information available
FD & C Red No.3	No information available
Titanium Dioxide	No information available
Manganese Violet	No information available
Carbon Black	No information available
FD & C Blue No. 1	No information available

FD & C Yellow No. 6	No information available
FD & C Red No. 27 Aluminum Lake	No information available
FD & C Blue 1 Ai Lake	No information available

11.2.2 Other Information

Other Information	See Section 11.1
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Part 12: Ecological information

12.1 Toxicity

Acute aquatic toxicity

Component	Fish	Crustaceans	Algae or other aquatic plants
FD & C Red No.3	LC ₅₀ : >100mg/L (96h)(Fresh water fish)	EC ₅₀ : 8.1mg/L (48h)(Daphnia magna)	ErC ₅₀ : > 200mg/L (72h)(Freshwater algae)
Carbon Black	LC ₅₀ : >1000mg/L (96h)(Fish)	No information available	ErC ₅₀ : > 10000mg/L (72h)(Algae)
Sodium Dehydroacetate	LC ₅₀ : 100mg/L (96h)(Fresh water fish)	EC ₅₀ : > 100mg/L (48h)(Daphnia magna)	ErC ₅₀ : 32.1mg/L (72h)(Freshwater algae)
FD & C Yellow No. 6	LC ₅₀ : 100mg/L (96h)(Fresh water fish)	No information available	No information available
FD & C Yellow No.5	LC ₅₀ : >120mg/L (96h)(Fresh water fish)	EC ₅₀ : > 125mg/L (48h)(Daphnia magna)	No information available
FD & C Red No. 27 Aluminum Lake	No information available	EC ₅₀ : 152.3mg/L (48h)(Daphnia magna)	ErC ₅₀ : 25mg/L (72h)(Freshwater algae)

Chronic aquatic toxicity

Chronic aquatic toxicity	No information available
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12.2 Persistence and degradability

Component	Persistence (water/soil)	Persistence (air)
FD & C Yellow No.5	High	High
FD & C Red No.3	High	High
Titanium Dioxide	High	High

12.3 Bioaccumulative potential

Component	Bioaccumulative potential	Comments
FD & C Yellow No.5	Low	BCF=3
FD & C Red No.3	High	Log Kow=6.2002
Titanium Dioxide	Low	BCF=10

12.4 Mobility in soil

Component	log Koc	Remark	Data source
Sodium Dehydroacetate	1	25 °C	ECHA
FD & C Yellow No.5	-4.228	20 °C, pH=7.0	ECHA
FD & C Red No.3	1.291	25 °C, pH=7.6	ECHA
Titanium Dioxide	1.375		Chemwatch
FD & C Yellow No. 6	4.40	20 °C	ECHA
FD & C Red No. 27 Aluminum Lake	1.684	25 °C, pH=5.7	ECHA

FD & C Blue 1 Ai Lake	2.092	25 °C, pH=2.48	ECHA
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12.5 Results of PBT and vPvB assessment

Component	Results of PBT and vPvB assessment [according to (EC) No 1907/2006 with amendment 2020/878]
Aqua(Water)	No information available
Starch	No information available
Agar Powder	No information available
Sodium Dehydroacetate	Not PBT/vPvB
May Contain	No information available
FD & C Yellow No.5	Not PBT/vPvB
FD & C Red No.3	Not PBT/vPvB
Titanium Dioxide	Not applicable
Manganese Violet	Not applicable
Carbon Black	Not PBT/vPvB
FD & C Blue No. 1	Not PBT/vPvB
FD & C Yellow No. 6	Not PBT/vPvB
FD & C Red No. 27 Aluminum Lake	Not PBT/vPvB
FD & C Blue 1 Ai Lake	Not PBT/vPvB

12.6 Endocrine disrupting properties

Component	Endocrine disrupting properties
Aqua(Water)	No information available
Starch	No information available
Agar Powder	No information available
Sodium Dehydroacetate	No information available
May Contain	No information available
FD & C Yellow No.5	No information available
FD & C Red No.3	No information available
Titanium Dioxide	No information available
Manganese Violet	No information available
Carbon Black	No information available
FD & C Blue No. 1	No information available
FD & C Yellow No. 6	No information available
FD & C Red No. 27 Aluminum Lake	No information available
FD & C Blue 1 Ai Lake	No information available

12.7 Other adverse effects

No information available

Part 13: Disposal considerations

13.1 Waste treatment methods

Waste chemicals	Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.
Contaminated packaging	Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.
Disposal recommendations	Refer to section waste chemicals and contaminated packaging.

Part 14: Transport information

Label

Transporting Label	Not applicable
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IMDG-CODE

IMDG-CODE	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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ICAO/IATA-DGR

ICAO/IATA-DGR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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UN-ADR

UN-ADR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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Special precautions for user

	Transport vehicles should be equipped with the appropriate variety and quantity of fire equipment and emergency equipment leakage during transport. Before transport, should be preceded by checking whether container integrity, sealing. The transport unit must be placarded and marked in accordance with relevant transporting requirements.
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Maritime transport in bulk according to IMO instruments

- ◆ Transport in bulk according to Annex II of MARPOL and the IBC code

	No information available
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- ◆ Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

	No information available
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- ◆ Transport in bulk in accordance with the IGC Code

	No information available
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Part 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

International chemical inventory

Component	A	B	C	D	E	F	G	H	I	J	K	L	M
Aqua(Water)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Starch	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Agar Powder	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	✓	✓
Sodium Dehydroacetate	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓
May Contain	×	×	×	×	×	×	×	×	×	×	×	×	×
FD & C Yellow No.5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FD & C Red No.3	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓

Titanium Dioxide	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Manganese Violet	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✓	✓
Carbon Black	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓
FD & C Blue No. 1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FD & C Yellow No. 6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓
FD & C Red No. 27 Aluminum Lake	✓	✓	✗	✓	✓	✓	✗	✗	✗	✗	✗	✓	✓
FD & C Blue 1 Ai Lake	✓	✓	✓	✓	✓	✓	✗	✓	✓	✗	✗	✓	✓

- 【A】** China Inventory of Existing Chemical Substances(IECSC)
【B】 European Inventory of Existing Commercial Chemical Substances(EC inventory)
【C】 United States Toxic Substances Control Act Inventory(TSCA)
【D】 Canadian Domestic Substances List(DSL)
【E】 New Zealand Inventory of Chemicals(NZIoC)
【F】 Philippines Inventory of Chemicals and Chemical Substances(PICCS)
【G】 Korea Existing Chemicals Inventory(KECL)
【H】 Australian. Inventory of Industrial Chemical (AIICS)
【I】 Japan Inventory of Existing & New Chemical Substances(ENCS)
【J】 Thailand Existing Chemicals Inventory(TECI)
【K】 Mexico National Inventory of Chemical Substances(INSQ)
【L】 Russia Inventory of Existing Substances(DRAFT)
【M】 Inventory of Existing Chemical Substances in Taiwan, China(TCSI)

List of Chemical Substances under International Conventions

Component	A	B	C
Aqua(Water)	×	×	×
Starch	×	×	×
Agar Powder	×	×	×
Sodium Dehydroacetate	×	×	×
May Contain	×	×	×
FD & C Yellow No.5	×	×	×
FD & C Red No.3	×	×	×
Titanium Dioxide	×	×	×
Manganese Violet	×	×	×
Carbon Black	×	×	×
FD & C Blue No. 1	×	×	×
FD & C Yellow No. 6	×	×	×
FD & C Red No. 27 Aluminum Lake	×	×	×
FD & C Blue 1 Ai Lake	×	×	×

- 【A】** The Montreal Protocol on Substances that Deplete the Ozone Layer
【B】 Stockholm Convention on Persistent Organic Pollutants (POPs)
【C】 Rotterdam Convention on the prior informed consent procedure for certain hazardous chemicals and pesticides in international trade

European chemical inventory

Component	A	B	C	D	E	F	G	H	I
Aqua(Water)	×	×	×	✓	×	×	×	×	×

Starch	×	×	×	✓	×	×	×	×	×
Agar Powder	×	×	×	✓	×	×	×	×	×
Sodium Dehydroacetate	×	×	×	✓	✓	×	×	×	×
May Contain	×	×	×	×	×	×	×	×	×
FD & C Yellow No.5	×	×	×	✓	✓	×	×	×	×
FD & C Red No.3	×	×	×	✓	✓	×	×	×	×
Titanium Dioxide	×	×	×	✓	✓	✓	×	×	×
Manganese Violet	×	×	✓	✓	✓	×	×	×	×
Carbon Black	×	×	×	✓	✓	✓	×	×	×
FD & C Blue No. 1	×	×	×	✓	✓	×	×	×	×
FD & C Yellow No. 6	×	×	×	✓	✓	×	×	×	×
FD & C Red No. 27 Aluminum Lake	×	×	×	✓	✓	×	×	×	×
FD & C Blue 1 Ai Lake	×	×	×	✓	✓	×	×	×	×

- 【A】** Candidate list of Substances of Very High Concern for authorization under EU REACH regulation
【B】 Substances requiring authorisation under EU REACH regulation
【C】 Substances restricted under EU REACH
【D】 Pre-registered substances under EU REACH
【E】 Registered substances under EU REACH
【F】 Substance Evaluation – CoRAP under EU REACH
【G】 List of priority substances under EU water policy (Directive 2455/2001/EC)
【H】 Substances subject to POPs Regulation
【I】 Substances proposed as POPs

Note:

“✓” Indicates that the substance included in the regulations.

“×” No data or not included in the regulations.

German water hazard class(WGK)

Component	WGK	Remark
Starch	nwg	
FD & C Yellow No.5	WGK 1	
FD & C Red No.3	WGK 1	
Titanium Dioxide	nwg	
Carbon Black	nwg	
FD & C Blue No. 1	WGK 1	
FD & C Yellow No. 6	WGK 1	
FD & C Blue 1 Ai Lake	WGK 1	

- 【WGK 1】** slightly hazardous to water
【WGK 2】 obviously hazardous to water
【WGK 3】 highly hazardous to water
【nwg】 non-hazardous to water
【awg】 hazardous to water in general

German technical instructions on air quality control(TA LUFT)

Component	TA LUFT	Remark
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Starch	Chapter 5.2.5 Organic Substances, dust,including fine dust.To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values:Mass flow:0,20 kg/hr or Mass conc.:20 mg/m ³ The mass per unit volume of 0,15 g/m ³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h.For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m ³ .	
Agar Powder	Chapter 5.2.5 Organic Substances, dust,including fine dust.To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values:Mass flow:0,20 kg/hr or Mass conc.:20 mg/m ³ The mass per unit volume of 0,15 g/m ³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h.For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m ³ .	
Sodium Dehydroacetate	Chapter 5.2.5 Organic Substances, dust,including fine dust.To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values:Mass flow:0,20 kg/hr or Mass conc.:20 mg/m ³ The mass per unit volume of 0,15 g/m ³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h.For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m ³ .	
FD & C Yellow No.5	Chapter 5.2.5 Organic Substances, dust,including fine dust.To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values:Mass flow:0,20 kg/hr or Mass conc.:20 mg/m ³ The mass per unit volume of 0,15 g/m ³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h.For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m ³ .	
FD & C Red No.3	Chapter 5.2.5 Organic Substances, dust,including fine dust.To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values:Mass flow:0,20 kg/hr or Mass conc.:20 mg/m ³ The mass per unit volume of 0,15 g/m ³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h.For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass	

	concentration in waste gas the mass concentration must not exceed 10 mg/m ³ .	
Titanium Dioxide	Chapter 5.2.2 Inorganic Dusts, class III. Also with the presChapter 5.2.7.1.1 Carcinogenic SubstancesThe substance must be assigned to the class (I, II or III) whose substances have the nearest potency. We can not accomplish this evaluation due to insufficiency of data.Carcinogenic substances not mentioned by name and for which no information on potency is available should be assigned to Class I as a precautionary measure.ence of several substances of the same class, the following values are not allowed to be exceeded in the exhaust gas:Mass flow:5 g/hr or Mass conc.:1 mg/m ³	powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm
Carbon Black	Chapter 5.2.1 Overall Dust, including fine dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values:Mass flow:0,20 kg/hr or Mass conc.:20 mg/m ³ The mass per unit volume of 0,15 g/m ³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h.For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m ³ .	
FD & C Yellow No. 6	Chapter 5.2.5 Organic Substances, dust,including fine dust.To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values:Mass flow:0,20 kg/hr or Mass conc.:20 mg/m ³ The mass per unit volume of 0,15 g/m ³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h.For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m ³ .	

German technical rules for hazardous substances(TRGS)

Component	TRGS	Remark
Aqua(Water)	TRGS 500 TRGS 509 TRGS 510	
Starch	TRGS 500 TRGS 509 TRGS 510 TRGS 800 TRGS 720 TRGS 721 TRGS 722 TRGS 723 TRGS 724	
Agar Powder	TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Sodium Dehydroacetate	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 500 TRGS 509 TRGS 510 TRGS 800	
FD & C Yellow No.5	TRGS 500 TRGS 509 TRGS 510 TRGS 800	
FD & C Red No.3	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Titanium Dioxide	TRGS 402 TRGS 500 TRGS 509 TRGS 510	
Carbon Black	TRGS 500 TRGS 509 TRGS 510 TRGS 800 TRGS 720 TRGS 721 TRGS 722 TRGS 723 TRGS 724 TRGS 551 TRGS 906	

FD & C Yellow No. 6	TRGS 500 TRGS 509 TRGS 510 TRGS 800 TRGS 720 TRGS 721 TRGS 722 TRGS 723 TRGS 724	
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15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

Part 16: Other information

Information on revision

Creation Date	2025/09/23
Revision Date	-
Reason for revision	-

Reference

- 【1】 IPCS: The International Chemical Safety Cards (ICSC), website: <http://www.ilo.org/dyn/icsc/showcard.home>.
- 【2】 IARC, website: <http://www.iarc.fr/>.
- 【3】 OECD: The Global Portal to Information on Chemical Substances, website: <https://www.chemportal.org/chemportal/>.
- 【4】 CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>.
- 【5】 NLM: ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>.
- 【6】 EPA: Integrated Risk Information System, website: <http://cfpub.epa.gov/iris/>.
- 【7】 U.S. Department of Transportation: ERG, website: <http://www.phmsa.dot.gov/hazmat/library/erg>.
- 【8】 Germany GESTIS-database on hazard substance, website: <http://gestis-en.itrust.de/>.

Abbreviations and acronyms

CAS	Chemical Abstracts Service	UN	The United Nations
PC-STEL	Short term exposure limit	OECD	Organization for Economic Co-operation and Development
PC-TWA	Time Weighted Average	IMDG-CODE	International Maritime Dangerous Goods CODE
MAC	Maximum Allowable Concentration	IARC	International Agency for Research on Cancer
DNEL	Derived No Effect Level	ICAO	International Civil Aviation Organization
PNEC	Predicted No Effect Concentration	IATA	International Air Transportation Association
NOEC	No Observed Effect Concentration	ACGIH	American Conference of Governmental Industrial Hygienists
LC ₅₀	Lethal Concentration 50%	NFPA	National Fire Protection Association
LD ₅₀	Lethal Dose 50%	NTP	National Toxicology Program
EC ₅₀	Effective Concentration 50%	PBT	Persistent, Bioaccumulative, Toxic
EC _x	Effective Concentration X%	vPvB	very Persistent, very Bioaccumulative
P _{ow}	Partition coefficient Octanol: Water	CMR	Carcinogens, mutagens or substances toxic to reproduction
BCF	Bioconcentration factor	RPE	Respiratory Protective Equipment
ED	Endocrine disruptor	G1	Carcinogenic to humans
G2A	Probably carcinogenic to humans	G2B	Possibly carcinogenic to humans
G3	Not yet classified as carcinogenic to humans	G4	Probably not carcinogenic to humans

Disclaimer

This Safety Data Sheet (SDS) was prepared according to REACH Regulation & GHS. The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

Premade Slime/Bubble Slime/Supper Cream Slime

Version: V2.0.1.1
Report No.: HGBZ25098V21
Creation Date: 2025/09/10
Revision Date: -

*Prepared in accordance with EU REACH Regulation (REACH 1907/2006 with amendment 2020/878)|GHS (10th Revised Edition)

Part 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier	
Product Name	Premade Slime/Bubble Slime/Supper Cream Slime
CAS No.	Not applicable
EC No.	Not applicable
Molecular Formula	Not applicable
REACH Registration Number	-
UFI	No information available
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Relevant identified uses	Please consult manufacturer.
Uses advised against	Please consult manufacturer.
1.3 Details of the supplier of the Safety Data Sheet	
Applicant Name	Canal Toys Ltd
Applicant Address	Room 401, 4th Floor, HKC Commercial entre, Dongcheng Avenue No. 5, Zhangmutou Town, Dongguan City, Guangdong Province, P. R. China.
Applicant Post Code	523618
Applicant Telephone	+86-769-8770 0857
Applicant Fax	+86-769-8770 3510
Applicant E-mail	gary.li@canaltoysasia.com
Supplier Name	Canal Toys Ltd
Supplier Address	Room 401, 4th Floor, HKC Commercial entre, Dongcheng Avenue No. 5, Zhangmutou Town, Dongguan City, Guangdong Province, P. R. China.
Supplier Post Code	523618
Supplier Telephone	+86-769-8770 0857
Supplier Fax	+86-769-8770 3510
Supplier E-mail	gary.li@canaltoysasia.com
1.4 Emergency telephone number	
Emergency telephone number	+86-769-8770 0857
Opening hours	24h

Part 2: Hazards identification

2.1 CLP classification according to Regulation (EC) No. 1272/2008 with amendment 2023/707 hazard classification according to GHS
According to Regulation (EC) No 1272/2008 and its amendments and GHS (10th Revised Edition) . Not classified as a dangerous substance.

2.2 Label elements

Hazard pictograms	Not applicable
Signal word	Not applicable

Hazard statements

Hazard statements	Not applicable
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Precautionary statements

◆ Prevention

Prevention	Not applicable
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◆ Response

Response	Not applicable
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◆ Storage

Storage	Not applicable
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◆ Disposal

Disposal	Not applicable
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2.3 Other hazards

◆ Results of PBT and vPvB assessment

Component	Results of PBT and vPvB assessment [according to (EC) No 1907/2006 with amendment 2020/878]
Aqua(Water)	No information available
Agar Powder	No information available
Xanthan Gum	No information available
Polyvinyl Alcohol	No information available
Sodium Tripolyphosphate	Not PBT/vPvB
Sodium Carboxymethyl Cellulose	No information available
Glycerin	Not PBT/vPvB
Sodium Dehydro Acetate	Not PBT/vPvB
Borax	Not applicable
Propyl P-Hydroxybenzoate	Not PBT/vPvB
FD&C Blue No.1	Not PBT/vPvB
FD & C Red No.3	Not PBT/vPvB
FD & C Green No.3	Not PBT/vPvB
FD & C Yellow No.5	Not PBT/vPvB
Manganese Violet	Not applicable
Titanium Dioxide	Not applicable

◆ Results of endocrine disrupting properties assessment

Component	Results of endocrine disrupting properties assessment [according to (EU) No 2017/2100 or (EU) No 2018/605]
Aqua(Water)	No information available

Agar Powder	No information available
Xanthan Gum	No information available
Polyvinyl Alcohol	No information available
Sodium Tripolyphosphate	No information available
Sodium Carboxymethyl Cellulose	No information available
Glycerin	No information available
Sodium Dehydro Acetate	No information available
Borax	No information available
Propyl P-Hydroxybenzoate	No information available
FD&C Blue No.1	No information available
FD & C Red No.3	No information available
FD & C Green No.3	No information available
FD & C Yellow No.5	No information available
Manganese Violet	No information available
Titanium Dioxide	No information available

◆ Other

Not applicable.

Part 3: Composition/information on ingredients

3.1 Substance/mixture

Mixture

Component	Weight %content(or range)	Classification according to Regulation (EC) No. 1272/2008 with amendment 2023/707 [CLP]	SCL, M-factor and ATE
Aqua(Water) CAS No.: 7732-18-5 EC No.: 231-791-2 Index No.: -	69.86- 83	Not Classified	-
Agar Powder CAS No.: 9002-18-0 EC No.: 232-658-1 Index No.: -	9.5- 12.5	Not Classified	-
Xanthan Gum CAS No.: 11138-66-2 EC No.: 234-394-2 Index No.: -	3.4- 9.1	Not Classified	-
Polyvinyl Alcohol CAS No.: 9002-89-5 EC No.: 618-340-9 Index No.: -	4.1- 7.8	Not Classified	-
Sodium Tripolyphosphate CAS No.: 7758-29-4 EC No.: 231-838-7 Index No.: -	0- 3.4	Not Classified	-
Sodium Carboxymethyl Cellulose CAS No.: 9004-32-4	0- 1.5	Not Classified	-

EC No.: 618-378-6 Index No.: -			
Glycerin CAS No.: 56-81-5 EC No.: 200-289-5 Index No.: -	1- 2.1	Not Classified	-
Sodium Dehydro Acetate CAS No.: 4418-26-2 EC No.: 224-580-1 Index No.: 607-164-00-8	0.05- 0.25	Acute Toxicity - Oral, Category 4, H302	-
Borax CAS No.: 1303-96-4 EC No.: 215-540-4 Index No.: 005-011-00-4	0.025	Reproductive toxicity, Category 1B, H360	-
Propyl P-Hydroxybenzoate CAS No.: 94-13-3 EC No.: 202-307-7 Index No.: -	0- 0.01	Hazardous to the aquatic environment - long-term (chronic) hazard, Category 3, H412	-
May Contain			
FD&C Blue No.1 CAS No.: 3844-45-9 EC No.: 223-339-8 Index No.: -	0- 0.04	Not Classified	-
FD & C Red No.3 CAS No.: 16423-68-0 EC No.: 240-474-8 Index No.: -	0- 0.04	Hazardous to the aquatic environment - long-term (chronic) hazard, Category 2, H411	-
FD & C Green No.3 CAS No.: 2353-45-9 EC No.: 219-091-5 Index No.: -	0- 0.04	Skin Corrosion/Irritation, Category 2, H315; Serious eye damage/irritation, Category 2, H319; Specific target organ toxicity - single exposure; respiratory tract irritation, Category 3, H335; Hazardous to the aquatic environment - long-term (chronic) hazard, Category 3, H412	-
FD & C Yellow No.5 CAS No.: 1934-21-0 EC No.: 217-699-5 Index No.: -	0- 0.04	Not Classified	-
Manganese Violet CAS No.: 10101-66-3 EC No.: 233-257-4 Index No.: -	0- 0.04	Not Classified	-
Titanium Dioxide CAS No.: 13463-67-7 EC No.: 236-675-5 Index No.: -	0- 0.04	Not Classified	-

Part 4: First aid measures

4.1 Description of first aid measures

General advice	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
Skin contact	No harm in general situation. First aid is not needed.
Ingestion	Never give anything by mouth to an unconscious person. Call a physician immediately.

Inhalation	Move victim into fresh air. If breathing is difficult, give oxygen and consult a physician immediately.
Protecting of first-aiders	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

4.2 Most important symptoms/effects, acute and delayed

- 1 Please see section 11.

4.3 Indication of any immediate medical attention and special treatment needed

- 1 Treat symptomatically.
- 2 Symptoms may be delayed.

Part 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	Use extinguishing media suitable for surrounding area.
Unsuitable extinguishing media	There is no restriction on the type of extinguisher which may be used.

5.2 Specific hazards arising from the substance or mixture

- 1 Development of hazardous combustion gases or vapor possible in the event of fire.

5.3 Advice for firefighters

- 1 As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
- 2 Fight fire from a safe distance, with adequate cover.
- 3 Prevent fire extinguishing water from contaminating surface water or the ground water system.

Part 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- 1 Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.
- 2 Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
- 3 Use personal protective equipment, do not breathe gas/mist/vapour/spray.

6.2 Environmental precautions

- 1 Prevent further leakage or spillage if safe to do so.
- 2 Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

- 1 Keep leaks in a ventilated place.
- 2 Cut off the source of the leak as much as possible.
- 3 Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.
- 4 Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
- 5 Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container.

6.4 Reference to other sections

- 1 Personal Protective Equipment advice is contained in Section 8 of the SDS.
- 2 Disposal considerations advice is contained in Section 13 of the SDS.

Part 7: Handling and storage

7.1 Precautions for safe handling

◆ Protective measures

1	Handling is performed in a well ventilated place.
2	Wear suitable protective equipment.
3	Avoid contact with skin and eyes.

◆ Measures to prevent fire

1	Keep away from heat/sparks/open flames/ hot surfaces.
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◆ Measures to prevent aerosol and dust generation

1	Not applicable.
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◆ Advice on general occupational hygiene

1	Wash hands and face after using of the substances.
2	Replace the contaminated clothing immediately.

7.2 Conditions for safe storage, including any incompatibilities

1	Keep containers tightly closed.
2	Keep containers in a dry, cool and well-ventilated place.
3	Keep away from heat/sparks/open flames/hot surfaces.
4	Store away from incompatible materials and foodstuff containers.

7.3 Specific end use(s)

1	In addition to use mentioned in the Section 1.2, unforeseen other specific end uses.
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Part 8: Exposure controls/personal protection

8.1 Control parameters

◆ Occupational exposure limit values

Component	Country/Region	Limit value - Eight hours		Limit value - Short term	
		ppm	mg/m ³	ppm	mg/m ³
Glycerin	France	-	10	-	-
	Germany (AGS)	-	200	-	400
	Germany (DFG)	-	200	-	400
	United Kingdom	-	10	-	-
	Belgium	-	10	-	-
	Finland	-	20	-	-
Borax	France	-	5	-	-
	Germany (DFG)	-	0.75(inhalable aerosol)	-	0.75(inhalable aerosol)
	United Kingdom	-	5	-	-
	Belgium	-	2	-	6
	Denmark	-	2	-	4
	Ireland	-	2	-	-
Manganese Violet	USA - ACGIH	-	0.02(as Mn, respirable fraction)	-	-

Titanium Dioxide	France	-	11(inhalable aerosol)	-	-
	Germany (DFG)	-	0.3	-	2.4
	United Kingdom	-	10(inhalable fraction);4(respirable fraction)	-	-
	Belgium	-	10	-	-
	Denmark	-	6(total dust)	-	12(total dust)
	Ireland	-	10	-	-

◆ Biological limit values

Biological limit values	No relevant regulations
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◆ Monitoring methods

1	EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
2	GBZ/T 300 and GBZ/T 160 series standard Determination of toxic substances in workplace air.

◆ Derived No effect level (DNEL)

Component	Route of exposure	DNEL for Workers			
		Acute effects (local)	Acute effects (systemic)	Chronic effects (local)	Chronic effects (systemic)
Aqua(Water)	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
Agar Powder	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
Xanthan Gum	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
Polyvinyl Alcohol	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
Sodium Tripolyphosphate	Inhalation	No information available	No information available	No information available	0.661 mg/m3
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
Sodium Carboxymethyl Cellulose	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available

Glycerin	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
Sodium Dehydro Acetate	Inhalation	No information available	No information available	No information available	10.99 mg/m3
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
Borax	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
Propyl P-Hydroxybenzoate	Inhalation	No information available	No information available	No information available	88.2 mg/m3
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
FD&C Blue No.1	Inhalation	No information available	No information available	No information available	106 mg/m3
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
FD & C Red No.3	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
FD & C Green No.3	Inhalation	No information available	No information available	No information available	89.957 mg/m3
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
FD & C Yellow No.5	Inhalation	No information available	No information available	No information available	372.52 mg/m3
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
Manganese Violet	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
Titanium Dioxide	Inhalation	No information available	No information available	0.17 mg/m3	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available

◆ Predicted No Effect Concentration (PNEC)

Component	A	B	C	D	E	F	G	H
Sodium Tripolyphosphate	5 µg/L	5 µg/L	No information available	190 µg/kg sediment dw	No information available	No information available	140 µg/kg soil dw	No information available
Glycerin	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No potential for bioaccumulation
Sodium Dehydro Acetate	32.1 µg/L	3.21 µg/L	3.8 mg/L	147.7 µg/kg sediment dw	14.8 µg/kg sediment dw	No hazard identified	10.7 µg/kg soil dw	No potential for bioaccumulation
Propyl P-Hydroxybenzoate	16.5 µg/L	1.65 µg/L	2 mg/L	115 µg/kg sediment dw	11.5 µg/kg sediment dw	No hazard identified	52 µg/kg soil dw	No potential for bioaccumulation
FD&C Blue No.1	100 µg/L	10 µg/L	100 mg/L	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No potential for bioaccumulation
FD & C Green No.3	104.048 µg/L	10.405 µg/L	100 mg/L	22578416.08 mg/kg sediment dw	2257841.608 mg/kg sediment dw	No hazard identified	10820.992 g/kg soil dw	No potential for bioaccumulation
FD & C Yellow No.5	120 µg/L	12 µg/L	10 mg/L	469.92 µg/kg sediment dw	46.992 µg/kg sediment dw	No hazard identified	23.53 µg/kg soil dw	No potential for bioaccumulation
Titanium Dioxide	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No potential for bioaccumulation

Note 1:

A: Freshwater; B: Seawater; C: Sewage treatment plant; D: Sediment (freshwater); E: Sediment (seawater); F: Air; G: Soil; H: Secondary poisoning (Hazard for Predators).

Note 2:

The PNEC values of the remaining components not shown in the product are not available yet.

8.2 Exposure controls

8.2.1 Engineering controls

1	Ensure adequate ventilation, especially in confined areas.
2	Ensure that eyewash stations and safety showers are close to the workstation location.
3	Set up emergency exit and necessary risk-elimination area.
4	Handle in accordance with good industrial hygiene and safety practice.

8.2.2 Personal protection equipment

General requirement	No special requirements, please see the description below.
Eye protection	In general situation, eye protection is not needed. In the production process, when contacting with vapour or dust, tightly fitting safety goggles.
Hand protection	In general situation, hand protection is not needed.

Respiratory protection	In general situation, respiratory protection is not needed. If exposure limits are exceeded or if irritation or other symptoms are experienced, wear dust proof mask or gas defence mask.
Skin and body protection	In general situation, skin and body protection are not needed.

8.2.3 Environmental exposure controls

Environmental exposure controls	No information available
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Part 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	Neon Purple/Neon Pink/Neon Blue/Transparent/Transparent Green/Transparent Blue/Transparent Pink/Yellow/Pink/Blue/White/Purple/Green/Cora/Light Blue/Red
Odor	No information available
Odor threshold	No information available
pH	No information available
Melting point/freezing point(°C)	No information available
Initial boiling point and boiling range(°C)	No information available
Flash point(Closed cup,°C)	No information available
Evaporation rate	No information available
Flammability	No information available
Upper/lower explosive limits[% (v/v)]	Upper limit: No information available; Lower limit: No information available
Vapor pressure	No information available
Relative vapour density(Air=1)	No information available
Relative density(Water=1)	No information available
Solubility	No information available
n-octanol/water partition coefficient	No information available
Auto-ignition temperature(°C)	No information available
Decomposition temperature(°C)	No information available
Kinematic viscosity(mm²/s)	No information available
Explosive properties	No information available
Oxidizing properties	No information available
Particle characteristics	Not applicable

9.2 Other information

9.2.1 Information with regard to physical hazard classes

Information with regard to physical hazard classes	No information available
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9.2.2 Other safety characteristics

Other safety characteristics	No information available
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Part 10: Stability and reactivity

Stability and reactivity

10.1 Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
10.2 Chemical stability	Stable under proper operation and storage conditions.
10.3 Possibility of hazardous reactions	In contact with oxidants causes severe reactions, and may cause a fire or explosion.
10.4 Conditions to avoid	Incompatible materials, heat, flame and spark.
10.5 Incompatible materials	Oxidants, alkali metals, alkaline earth metals and aluminum.
10.6 Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Part 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 with amendment 2023/707**

Premade Slime/Bubble Slime/Supper Cream Slime	
Skin corrosion/irritation	Based on available data, the classification criteria are not met
Serious eye damage/irritation	Based on available data, the classification criteria are not met
Skin sensitization	Based on available data, the classification criteria are not met
Respiratory sensitization	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	Based on available data, the classification criteria are not met
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met

Acute toxicity

Component	LD₅₀(oral)	LD₅₀(dermal)	LC₅₀(inhalation,4h)
Sodium Tripolyphosphate	3120mg/kg(Rat)	> 4640mg/kg(Rabbit)	No information available
Sodium Carboxymethyl Cellulose	27000mg/kg(Rat)	> 2000mg/kg(Rabbit)	> 5.8mg/L(Rat)
Sodium Dehydro Acetate	500mg/kg(Rat)	No information available	No information available
FD & C Green No.3	> 2000mg/kg(Rat)	No information available	No information available
Propyl P-Hydroxybenzoate	6332mg/kg(Mouse)	No information available	No information available
Glycerin	12600mg/kg(Rat)	> 10000mg/kg(Rabbit)	No information available
Borax	4500mg/kg(Rat)	No information available	No information available
Polyvinyl Alcohol	23900mg/kg(Rat)	No information available	No information available
FD & C Red No.3	1840mg/kg(Rat)	No information available	No information available
Agar Powder	11000mg/kg(Rat)	No information available	No information available
FD & C Yellow No.5	12750mg/kg(Mouse)	No information available	No information available

Carcinogenicity

Component	List of carcinogens by the IARC Monographs	Report on Carcinogens by NTP
Aqua(Water)	Not Listed	Not Listed
Agar Powder	Not Listed	Not Listed
Xanthan Gum	Not Listed	Not Listed

Polyvinyl Alcohol	Category 3	Not Listed
Sodium Tripolyphosphate	Not Listed	Not Listed
Sodium Carboxymethyl Cellulose	Not Listed	Not Listed
Glycerin	Not Listed	Not Listed
Sodium Dehydro Acetate	Not Listed	Not Listed
Borax	Not Listed	Not Listed
Propyl P-Hydroxybenzoate	Not Listed	Not Listed
FD&C Blue No.1	Category 3	Not Listed
FD & C Red No.3	Not Listed	Not Listed
FD & C Green No.3	Category 3	Not Listed
FD & C Yellow No.5	Not Listed	Not Listed
Manganese Violet	Not Listed	Not Listed
Titanium Dioxide	Category 2B	Not Listed

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Component	Endocrine disrupting properties
Aqua(Water)	No information available
Agar Powder	No information available
Xanthan Gum	No information available
Polyvinyl Alcohol	No information available
Sodium Tripolyphosphate	No information available
Sodium Carboxymethyl Cellulose	No information available
Glycerin	No information available
Sodium Dehydro Acetate	No information available
Borax	No information available
Propyl P-Hydroxybenzoate	No information available
FD&C Blue No.1	No information available
FD & C Red No.3	No information available
FD & C Green No.3	No information available
FD & C Yellow No.5	No information available
Manganese Violet	No information available
Titanium Dioxide	No information available

11.2.2 Other Information

Other Information	See Section 11.1
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Part 12: Ecological information

12.1 Toxicity

Acute aquatic toxicity

Component	Fish	Crustaceans	Algae or other aquatic plants
Sodium Tripolyphosphate	LC ₅₀ : 1850mg/L (96h)(Fresh water fish)	EC ₅₀ : 277mg/L (48h)(Daphnia magna)	No information available
Sodium Carboxymethyl Cellulose	No information available	EC ₅₀ : 87.3mg/L (48h)(Daphnia magna)	No information available
Sodium Dehydro Acetate	LC ₅₀ : 100mg/L (96h)(Fresh water fish)	EC ₅₀ : > 100mg/L (48h)(Daphnia magna)	ErC ₅₀ : 32.1mg/L (72h)(Freshwater algae)
FD & C Green No.3	LC ₅₀ : 3000mg/L (96h)(Fresh water fish)	No information available	ErC ₅₀ : 62.9mg/L (72h)(Freshwater algae)
Glycerin	LC ₅₀ : 885mg/L (96h)(Fresh water fish)	No information available	No information available
Borax	No information available	No information available	ErC ₅₀ : 15.4mg/L (96h)(Freshwater algae)
FD & C Red No.3	LC ₅₀ : >100mg/L (96h)(Fresh water fish)	EC ₅₀ : 8.1mg/L (48h)(Daphnia magna)	ErC ₅₀ : > 200mg/L (72h)(Freshwater algae)
FD & C Yellow No.5	LC ₅₀ : >120mg/L (96h)(Fresh water fish)	EC ₅₀ : > 125mg/L (48h)(Daphnia magna)	No information available

Chronic aquatic toxicity

Chronic aquatic toxicity	No information available
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12.2 Persistence and degradability

Component	Persistence (water/soil)	Persistence (air)
Propyl P-Hydroxybenzoate	Low	Low
FD & C Red No.3	High	High
FD & C Green No.3	High	High
FD & C Yellow No.5	High	High
Titanium Dioxide	High	High

12.3 Bioaccumulative potential

Component	Bioaccumulative potential	Comments
Propyl P-Hydroxybenzoate	Low	Log Kow=3.04
FD & C Red No.3	High	Log Kow=6.2002
FD & C Green No.3	Low	Log Kow=1.5657
FD & C Yellow No.5	Low	BCF=3
Titanium Dioxide	Low	BCF=10

12.4 Mobility in soil

Component	log Koc	Remark	Data source
Sodium Tripolyphosphate	2.15	20 °C	ECHA
Sodium Dehydro Acetate	1	25 °C	ECHA
Propyl P-Hydroxybenzoate	2.46	20 °C	ECHA
FD & C Red No.3	1.291	25 °C, pH=7.6	ECHA
FD & C Green No.3	10.31	20 °C	ECHA
FD & C Yellow No.5	-4.228	20 °C, pH=7.0	ECHA
Titanium Dioxide	1.375		Chemwatch

12.5 Results of PBT and vPvB assessment

Component	Results of PBT and vPvB assessment [according to (EC) No 1907/2006 with amendment 2020/878]
Aqua(Water)	No information available
Agar Powder	No information available
Xanthan Gum	No information available
Polyvinyl Alcohol	No information available
Sodium Tripolyphosphate	Not PBT/vPvB
Sodium Carboxymethyl Cellulose	No information available
Glycerin	Not PBT/vPvB
Sodium Dehydro Acetate	Not PBT/vPvB
Borax	Not applicable
Propyl P-Hydroxybenzoate	Not PBT/vPvB
FD&C Blue No.1	Not PBT/vPvB
FD & C Red No.3	Not PBT/vPvB
FD & C Green No.3	Not PBT/vPvB
FD & C Yellow No.5	Not PBT/vPvB
Manganese Violet	Not applicable
Titanium Dioxide	Not applicable

12.6 Endocrine disrupting properties

Component	Endocrine disrupting properties
Aqua(Water)	No information available
Agar Powder	No information available
Xanthan Gum	No information available
Polyvinyl Alcohol	No information available
Sodium Tripolyphosphate	No information available
Sodium Carboxymethyl Cellulose	No information available
Glycerin	No information available
Sodium Dehydro Acetate	No information available
Borax	No information available
Propyl P-Hydroxybenzoate	No information available
FD&C Blue No.1	No information available
FD & C Red No.3	No information available
FD & C Green No.3	No information available
FD & C Yellow No.5	No information available
Manganese Violet	No information available
Titanium Dioxide	No information available

12.7 Other adverse effects

No information available

Part 13: Disposal considerations

13.1 Waste treatment methods

Waste chemicals	Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.
Contaminated packaging	Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.
Disposal recommendations	Refer to section waste chemicals and contaminated packaging.

Part 14: Transport information

Label

Transporting Label	Not applicable
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IMDG-CODE

IMDG-CODE	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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ICAO/IATA-DGR

ICAO/IATA-DGR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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UN-ADR

UN-ADR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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Special precautions for user

	Transport vehicles should be equipped with the appropriate variety and quantity of fire equipment and emergency equipment leakage during transport. Before transport, should be preceded by checking whether container integrity, sealing. The transport unit must be placarded and marked in accordance with relevant transporting requirements.
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Maritime transport in bulk according to IMO instruments

- ◆ Transport in bulk according to Annex II of MARPOL and the IBC code

	No information available
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- ◆ Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

	No information available
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- ◆ Transport in bulk in accordance with the IGC Code

	No information available
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Part 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

International chemical inventory

Component	A	B	C	D	E	F	G	H	I	J	K	L	M
Aqua(Water)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Agar Powder	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✓	✓
Xanthan Gum	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Polyvinyl Alcohol	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sodium Tripolyphosphate	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Sodium Carboxymethyl Cellulose	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Glycerin	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sodium Dehydro Acetate	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓
Borax	✓	×	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓
Propyl P-Hydroxybenzoate	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FD&C Blue No.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FD & C Red No.3	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓
FD & C Green No.3	✓	✓	✓	✓	✓	✓	×	✓	×	✓	×	✓	✓
FD & C Yellow No.5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Manganese Violet	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	✓	✓
Titanium Dioxide	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

- 【A】** China Inventory of Existing Chemical Substances(IECSC)
【B】 European Inventory of Existing Commercial Chemical Substances(EC inventory)
【C】 United States Toxic Substances Control Act Inventory(TSCA)
【D】 Canadian Domestic Substances List(DSL)
【E】 New Zealand Inventory of Chemicals(NZIoC)
【F】 Philippines Inventory of Chemicals and Chemical Substances(PICCS)
【G】 Korea Existing Chemicals Inventory(KECL)
【H】 Australian. Inventory of Industrial Chemical (AIICS)
【I】 Japan Inventory of Existing & New Chemical Substances(ENCS)
【J】 Thailand Existing Chemicals Inventory(TECI)
【K】 Mexico National Inventory of Chemical Substances(INSQ)
【L】 Russia Inventory of Existing Substances(DRAFT)
【M】 Inventory of Existing Chemical Substances in Taiwan, China(TCSI)

List of Chemical Substances under International Conventions

Component	A	B	C
Aqua(Water)	×	×	×
Agar Powder	×	×	×
Xanthan Gum	×	×	×
Polyvinyl Alcohol	×	×	×
Sodium Tripolyphosphate	×	×	×
Sodium Carboxymethyl Cellulose	×	×	×
Glycerin	×	×	×
Sodium Dehydro Acetate	×	×	×
Borax	×	×	×
Propyl P-Hydroxybenzoate	×	×	×
FD&C Blue No.1	×	×	×
FD & C Red No.3	×	×	×
FD & C Green No.3	×	×	×
FD & C Yellow No.5	×	×	×
Manganese Violet	×	×	×
Titanium Dioxide	×	×	×

- 【A】 The Montreal Protocol on Substances that Deplete the Ozone Layer
 【B】 Stockholm Convention on Persistent Organic Pollutants (POPs)
 【C】 Rotterdam Convention on the prior informed consent procedure for certain hazardous chemicals and pesticides in international trade

European chemical inventory

Component	A	B	C	D	E	F	G	H	I
Aqua(Water)	×	×	×	√	×	×	×	×	×
Agar Powder	×	×	×	√	×	×	×	×	×
Xanthan Gum	×	×	×	√	×	×	×	×	×
Polyvinyl Alcohol	×	×	×	√	×	×	×	×	×
Sodium Tripolyphosphate	×	×	×	√	√	×	×	×	×
Sodium Carboxymethyl Cellulose	×	×	×	√	×	×	×	×	×
Glycerin	×	×	×	√	√	×	×	×	×
Sodium Dehydro Acetate	×	×	×	√	√	×	×	×	×
Borax	√	×	√	√	×	×	×	×	×
Propyl P-Hydroxybenzoate	×	×	×	√	√	√	×	×	×
FD&C Blue No.1	×	×	×	√	√	×	×	×	×
FD & C Red No.3	×	×	×	√	√	×	×	×	×
FD & C Green No.3	×	×	×	√	√	×	×	×	×
FD & C Yellow No.5	×	×	×	√	√	×	×	×	×
Manganese Violet	×	×	√	√	√	×	×	×	×
Titanium Dioxide	×	×	×	√	√	√	×	×	×

- 【A】 Candidate list of Substances of Very High Concern for authorization under EU REACH regulation
 【B】 Substances requiring authorisation under EU REACH regulation
 【C】 Substances restricted under EU REACH
 【D】 Pre-registered substances under EU REACH
 【E】 Registered substances under EU REACH
 【F】 Substance Evaluation – CoRAP under EU REACH
 【G】 List of priority substances under EU water policy (Directive 2455/2001/EC)
 【H】 Substances subject to POPs Regulation
 【I】 Substances proposed as POPs

Note:

“√” Indicates that the substance included in the regulations.

“×” No data or not included in the regulations.

German water hazard class(WGK)

Component	WGK	Remark
Xanthan Gum	WGK 1	
Polyvinyl Alcohol	WGK 1	
Sodium Tripolyphosphate	WGK 1	
Sodium Carboxymethyl Cellulose	WGK 1	
Glycerin	WGK 1	
Borax	WGK 1	

Propyl P-Hydroxybenzoate	WGK 1	
FD&C Blue No.1	WGK 1	
FD & C Red No.3	WGK 1	
FD & C Green No.3	WGK 1	
FD & C Yellow No.5	WGK 1	
Titanium Dioxide	nwg	

- 【WGK 1】** slightly hazardous to water
【WGK 2】 obviously hazardous to water
【WGK 3】 highly hazardous to water
【nwg】 non-hazardous to water
【awg】 hazardous to water in general

German technical instructions on air quality control(TA LUFT)

Component	TA LUFT	Remark
Agar Powder	Chapter 5.2.5 Organic Substances, dust,including fine dust.To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values:Mass flow:0,20 kg/hr or Mass conc.:20 mg/m ³ The mass per unit volume of 0,15 g/m ³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h.For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m ³ .	
Polyvinyl Alcohol	Chapter 5.2.5 Organic Substances, dust,including fine dust.To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values:Mass flow:0,20 kg/hr or Mass conc.:20 mg/m ³ The mass per unit volume of 0,15 g/m ³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h.For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m ³ .	
Sodium Tripolyphosphate	Chapter 5.2.1 Overall Dust, including fine dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values:Mass flow:0,20 kg/hr or Mass conc.:20 mg/m ³ The mass per unit volume of 0,15 g/m ³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h.For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m ³ .	
Sodium Carboxymethyl Cellulose	Chapter 5.2.5 Organic Substances, dust,including fine dust.To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values:Mass flow:0,20 kg/hr or Mass conc.:20 mg/m ³ The mass per unit	

	volume of 0,15 g/m ³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h. For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m ³ .	
Glycerin	Chapter 5.2.5 Organic Substances. The following values, specified as overall carbon, are in all not allowed to be exceeded in exhaust gas: Mass flow: 0,50 kg/hr or Mass conc.: 50 mg/m ³ At old units with an annual mass flow till 1,5 Mg/a, specified as total carbon, the emissions in exhaust gas are not allowed to exceed 1,5 kg/h.	
Sodium Dehydro Acetate	Chapter 5.2.5 Organic Substances, dust, including fine dust. To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values: Mass flow: 0,20 kg/hr or Mass conc.: 20 mg/m ³ The mass per unit volume of 0,15 g/m ³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h. For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m ³ .	
Borax	Chapter 5.2.7.1.3 Substances toxic to reproduction Mass flow: 2,5 g/hr or Mass conc.: 1 mg/m ³	
Propyl P-Hydroxybenzoate	Chapter 5.2.5 Organic Substances, dust, including fine dust. To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values: Mass flow: 0,20 kg/hr or Mass conc.: 20 mg/m ³ The mass per unit volume of 0,15 g/m ³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h. For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m ³ .	
FD & C Red No.3	Chapter 5.2.5 Organic Substances, dust, including fine dust. To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values: Mass flow: 0,20 kg/hr or Mass conc.: 20 mg/m ³ The mass per unit volume of 0,15 g/m ³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h. For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m ³ .	
FD & C Yellow No.5	Chapter 5.2.5 Organic Substances, dust, including fine dust. To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values: Mass flow: 0,20 kg/hr or Mass conc.: 20 mg/m ³ The mass per unit	

	volume of 0,15 g/m ³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h. For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m ³ .	
Titanium Dioxide	Chapter 5.2.2 Inorganic Dusts, class III. Also with the presChapter 5.2.7.1.1 Carcinogenic SubstancesThe substance must be assigned to the class (I, II or III) whose substances have the nearest potency. We can not accomplish this evaluation due to insufficiency of data.Carcinogenic substances not mentioned by name and for which no information on potency is available should be assigned to Class I as a precautionary measure.ence of several substances of the same class, the following values are not allowed to be exceeded in the exhaust gas:Mass flow:5 g/hr or Mass conc.:1 mg/m ³	powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm

German technical rules for hazardous substances(TRGS)

Component	TRGS	Remark
Aqua(Water)	TRGS 500 TRGS 509 TRGS 510	
Agar Powder	TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Polyvinyl Alcohol	TRGS 500 TRGS 509 TRGS 510 TRGS 800 TRGS 720 TRGS 721 TRGS 722 TRGS 723 TRGS 724	
Sodium Tripolyphosphate	TRGS 500 TRGS 509 TRGS 510	
Sodium Carboxymethyl Cellulose	TRGS 500 TRGS 509 TRGS 510 TRGS 800 TRGS 720 TRGS 721 TRGS 722 TRGS 723 TRGS 724	
Glycerin	TRGS 402 TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Sodium Dehydro Acetate	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Borax	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 402 TRGS 401 TRGS 500 TRGS 509 TRGS 510 TRGS 560	
Propyl P-Hydroxybenzoate	TRGS 500 TRGS 509 TRGS 510 TRGS 800	
FD & C Red No.3	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 500 TRGS 509 TRGS 510 TRGS 800	
FD & C Yellow No.5	TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Titanium Dioxide	TRGS 402 TRGS 500 TRGS 509 TRGS 510	

15.2 Chemical safety assessment

	No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.
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Part 16: Other information

Information on revision

Creation Date	2025/09/10
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Revision Date	-
Reason for revision	-

Reference

- 【1】 IPCS: The International Chemical Safety Cards (ICSC), website: <http://www.ilo.org/dyn/icsc/showcard.home>.
- 【2】 IARC, website: <http://www.iarc.fr/>.
- 【3】 OECD: The Global Portal to Information on Chemical Substances, website: <https://www.chemportal.org/chemportal/>.
- 【4】 CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>.
- 【5】 NLM: ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>.
- 【6】 EPA: Integrated Risk Information System, website: <http://cfpub.epa.gov/iris/>.
- 【7】 U.S. Department of Transportation: ERG, website: <http://www.phmsa.dot.gov/hazmat/library/erg>.
- 【8】 Germany GESTIS-database on hazard substance, website: <http://gestis-en.itrust.de/>.

Abbreviations and acronyms

CAS	Chemical Abstracts Service	UN	The United Nations
PC-STEL	Short term exposure limit	OECD	Organization for Economic Co-operation and Development
PC-TWA	Time Weighted Average	IMDG-CODE	International Maritime Dangerous Goods CODE
MAC	Maximum Allowable Concentration	IARC	International Agency for Research on Cancer
DNEL	Derived No Effect Level	ICAO	International Civil Aviation Organization
PNEC	Predicted No Effect Concentration	IATA	International Air Transportation Association
NOEC	No Observed Effect Concentration	ACGIH	American Conference of Governmental Industrial Hygienists
LC ₅₀	Lethal Concentration 50%	NFPA	National Fire Protection Association
LD ₅₀	Lethal Dose 50%	NTP	National Toxicology Program
EC ₅₀	Effective Concentration 50%	PBT	Persistent, Bioaccumulative, Toxic
EC _x	Effective Concentration X%	vPvB	very Persistent, very Bioaccumulative
P _{OW}	Partition coefficient Octanol: Water	CMR	Carcinogens, mutagens or substances toxic to reproduction
BCF	Bioconcentration factor	RPE	Respiratory Protective Equipment
ED	Endocrine disruptor	G1	Carcinogenic to humans
G2A	Probably carcinogenic to humans	G2B	Possibly carcinogenic to humans
G3	Not yet classified as carcinogenic to humans	G4	Probably not carcinogenic to humans

Disclaimer

This Safety Data Sheet (SDS) was prepared according to REACH Regulation & GHS. The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

Butter/Butter Slime/Snow Fluffy/Snow Slime

Version: V2.0.1.1
Report No.: HGBZ25086NL1
Creation Date: 2025/09/01
Revision Date: -

*Prepared in accordance with EU REACH Regulation (REACH 1907/2006 with amendment 2020/878)|GHS (10th Revised Edition)

Part 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product Name	Butter/Butter Slime/Snow Fluffy/Snow Slime
CAS No.	Not applicable
EC No.	Not applicable
Molecular Formula	Not applicable
REACH Registration Number	-
UFI	No information available

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Please consult manufacturer.
Uses advised against	Please consult manufacturer.

1.3 Details of the supplier of the Safety Data Sheet

Applicant Name	Canal Toys Ltd
Applicant Address	Room 401, 4th Floor, HKC Commercial entre, Dongcheng Avenue No. 5, Zhangmutou Town, Dongguan City, Guangdong Province, P. R. China.
Applicant Post Code	523618
Applicant Telephone	+86-769-8770 0857
Applicant Fax	+86-769-8770 3510
Applicant E-mail	gary.li@canaltoysasia.com
Supplier Name	Canal Toys Ltd
Supplier Address	Room 401, 4th Floor, HKC Commercial entre, Dongcheng Avenue No. 5, Zhangmutou Town, Dongguan City, Guangdong Province, P. R. China.
Supplier Post Code	523618
Supplier Telephone	+86-769-8770 0857
Supplier Fax	+86-769-8770 3510
Supplier E-mail	gary.li@canaltoysasia.com

1.4 Emergency telephone number

Emergency telephone number	+86-769-8770 0857
Opening hours	24h

Part 2: Hazards identification

2.1 CLP classification according to Regulation (EC) No. 1272/2008 with amendment 2023/707|hazard classification according to GHS

According to Regulation (EC) No 1272/2008 and its amendments and GHS (10th Revised Edition) . Not classified as a dangerous

substance.

2.2 Label elements

Hazard pictograms	Not applicable
Signal word	Not applicable

Hazard statements

Hazard statements	Not applicable
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Precautionary statements

◆ Prevention

Prevention	Not applicable
-------------------	----------------

◆ Response

Response	Not applicable
-----------------	----------------

◆ Storage

Storage	Not applicable
----------------	----------------

◆ Disposal

Disposal	Not applicable
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2.3 Other hazards

◆ Results of PBT and vPvB assessment

Component	Results of PBT and vPvB assessment [according to (EC) No 1907/2006 with amendment 2020/878]
Aqua(Water)	No information available
Polyvinyl Alcohol	No information available
Sodium Carboxymethyl Cellulose	No information available
Agar Powder	No information available
Glycerin	Not PBT/vPvB
Copolymey	No information available
Xanthan Gum	No information available
Sodium Tripolyphosphate	Not PBT/vPvB
Sodium Dehydroacetate	Not PBT/vPvB
Borax	Not applicable
Propyl P-Hydroxybenzoate	Not PBT/vPvB
Isobutane	Not applicable

◆ Results of endocrine disrupting properties assessment

Component	Results of endocrine disrupting properties assessment [according to (EU) No 2017/2100 or (EU) No 2018/605]
Aqua(Water)	No information available
Polyvinyl Alcohol	No information available
Sodium Carboxymethyl Cellulose	No information available
Agar Powder	No information available

Glycerin	No information available
Copolymer	No information available
Xanthan Gum	No information available
Sodium Tripolyphosphate	No information available
Sodium Dehydroacetate	No information available
Borax	No information available
Propyl P-Hydroxybenzoate	No information available
Isobutane	No information available

◆ Other

	Not applicable.
--	-----------------

Part 3: Composition/information on ingredients

3.1 Substance/mixture

	Mixture
--	---------

Component	Weight %content(or range)	Classification according to Regulation (EC) No. 1272/2008 with amendment 2023/707 [CLP]	SCL, M-factor and ATE
Aqua(Water) CAS No.: 7732-18-5 EC No.: 231-791-2 Index No.: -	74.3- 76.915	Not Classified	-
Polyvinyl Alcohol CAS No.: 9002-89-5 EC No.: 618-340-9 Index No.: -	11.2- 14.5	Not Classified	-
Sodium Carboxymethyl Cellulose CAS No.: 9004-32-4 EC No.: 618-378-6 Index No.: -	0- 6	Not Classified	-
Agar Powder CAS No.: 9002-18-0 EC No.: 232-658-1 Index No.: -	0- 5.4	Not Classified	-
Glycerin CAS No.: 56-81-5 EC No.: 200-289-5 Index No.: -	2.4- 3.6	Not Classified	-
Copolymer CAS No.: 25214-39-5 EC No.: 607-652-0 Index No.: -	0- 3.4	Not Classified	-
Xanthan Gum CAS No.: 11138-66-2 EC No.: 234-394-2 Index No.: -	0- 1.975	Not Classified	-
Sodium Tripolyphosphate CAS No.: 7758-29-4 EC No.: 231-838-7 Index No.: -	0- 0.05	Not Classified	-
Sodium Dehydroacetate CAS No.: 4418-26-2	0.05	Acute Toxicity - Oral, Category 4, H302	-

EC No.: 224-580-1 Index No.: 607-164-00-8			
Borax CAS No.: 1303-96-4 EC No.: 215-540-4 Index No.: 005-011-00-4	0.025	Reproductive toxicity, Category 1B, H360	-
Propyl P-Hydroxybenzoate CAS No.: 94-13-3 EC No.: 202-307-7 Index No.: -	0- 0.01	Hazardous to the aquatic environment - long-term (chronic) hazard, Category 3, H412	-
Isobutane CAS No.: 75-28-5 EC No.: 20-857-2 Index No.: 601-004-00-0	0- 0.00272	Not Classified	-

Part 4: First aid measures

4.1 Description of first aid measures

General advice	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
Skin contact	No harm in general situation. First aid is not needed.
Ingestion	Never give anything by mouth to an unconscious person. Call a physician immediately.
Inhalation	Move victim into fresh air. If breathing is difficult, give oxygen and consult a physician immediately.
Protecting of first-aiders	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

4.2 Most important symptoms/effects, acute and delayed

1	Please see section 11.
---	------------------------

4.3 Indication of any immediate medical attention and special treatment needed

1	Treat symptomatically.
2	Symptoms may be delayed.

Part 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	Use extinguishing media suitable for surrounding area.
Unsuitable extinguishing media	There is no restriction on the type of extinguisher which may be used.

5.2 Specific hazards arising from the substance or mixture

1	Development of hazardous combustion gases or vapor possible in the event of fire.
2	Not considered a significant fire risk, however containers may burn.

5.3 Advice for firefighters

1	As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
2	Fight fire from a safe distance, with adequate cover.
3	Prevent fire extinguishing water from contaminating surface water or the ground water system.

Part 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- | | |
|---|---|
| 1 | Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges. |
| 2 | Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. |
| 3 | Use personal protective equipment, do not breathe dust/fume. |

6.2 Environmental precautions

- | | |
|---|---|
| 1 | Prevent further leakage or spillage if safe to do so. |
| 2 | Discharge into the environment must be avoided. |

6.3 Methods and materials for containment and cleaning up

- | | |
|---|---|
| 1 | Keep leaks in a ventilated place. |
| 2 | Cut off the source of the leak as much as possible. |
| 3 | Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations. |
| 4 | Isolation of contaminated areas and restrictions on access. |
| 5 | It is recommended that emergency personnel wear dust masks. |
| 6 | Collect the spill with a clean shovel and place it in a clean, dry, loosely closed container and move the container away from the leak. |

6.4 Reference to other sections

- | | |
|---|--|
| 1 | Personal Protective Equipment advice is contained in Section 8 of the SDS. |
| 2 | Disposal considerations advice is contained in Section 13 of the SDS. |

Part 7: Handling and storage**7.1 Precautions for safe handling**

◆ Protective measures

- | | |
|---|---|
| 1 | Handling is performed in a well ventilated place. |
| 2 | Wear suitable protective equipment. |
| 3 | Avoid contact with skin and eyes. |

◆ Measures to prevent fire

- | | |
|---|---|
| 1 | Keep away from heat/sparks/open flames/ hot surfaces. |
|---|---|

◆ Measures to prevent aerosol and dust generation

- | | |
|---|---|
| 1 | Avoid formation of dust and aerosols. |
| 2 | Provide appropriate exhaust ventilation at places where dust is formed. |

◆ Advice on general occupational hygiene

- | | |
|---|--|
| 1 | Wash hands and face after using of the substances. |
| 2 | Replace the contaminated clothing immediately. |

7.2 Conditions for safe storage, including any incompatibilities

- | | |
|---|--|
| 1 | Keep containers tightly closed. |
| 2 | Keep containers in a dry, cool and well-ventilated place. |
| 3 | Keep away from heat/sparks/open flames/hot surfaces. |
| 4 | Store away from incompatible materials and foodstuff containers. |

7.3 Specific end use(s)

- | | |
|---|--|
| 1 | In addition to use mentioned in the Section 1.2, unforeseen other specific end uses. |
|---|--|

Part 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

Component	Country/Region	Limit value - Eight hours		Limit value - Short term	
		ppm	mg/m ³	ppm	mg/m ³
Glycerin	France	-	10	-	-
	Germany (AGS)	-	200	-	400
	Germany (DFG)	-	200	-	400
	United Kingdom	-	10	-	-
	Belgium	-	10	-	-
	Finland	-	20	-	-
Borax	France	-	5	-	-
	Germany (DFG)	-	0.75(inhalable aerosol)	-	0.75(inhalable aerosol)
	United Kingdom	-	5	-	-
	Belgium	-	2	-	6
	Denmark	-	2	-	4
	Ireland	-	2	-	-
Isobutane	Germany (AGS)	1000	2400	4000	9600
	Germany (DFG)	1000	2400	4000	9600
	Belgium	-	-	980	2370
	Finland	800	1900	1000	2400
	Ireland	-	-	1000	-
	Spain	1000	-	-	-

Biological limit values

Biological limit values	No relevant regulations
--------------------------------	-------------------------

Monitoring methods

1	EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
2	GBZ/T 300 and GBZ/T 160 series standard Determination of toxic substances in workplace air.

Derived No effect level (DNEL)

Component	Route of exposure	DNEL for Workers			
		Acute effects (local)	Acute effects (systemic)	Chronic effects (local)	Chronic effects (systemic)
Aqua(Water)	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
Polyvinyl Alcohol	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available

	Dermal	No information available	No information available	No information available	No information available
Sodium Carboxymethyl Cellulose	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
Agar Powder	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
Glycerin	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
Copolymey	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
Xanthan Gum	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
Sodium Tripolyphosphate	Inhalation	No information available	No information available	No information available	0.661 mg/m3
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
Sodium Dehydroacetate	Inhalation	No information available	No information available	No information available	10.99 mg/m3
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
Borax	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
Propyl P-Hydroxybenzoate	Inhalation	No information available	No information available	No information available	88.2 mg/m3
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
Isobutane	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available

◆ Predicted No Effect Concentration (PNEC)

Component	A	B	C	D	E	F	G	H
Glycerin	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No potential for bioaccumulation
Sodium Tripolyphosphate	5 µg/L	5 µg/L	No information available	190 µg/kg sediment dw	No information available	No information available	140 µg/kg soil dw	No information available
Sodium Dehydroacetate	32.1 µg/L	3.21 µg/L	3.8 mg/L	147.7 µg/kg sediment dw	14.8 µg/kg sediment dw	No hazard identified	10.7 µg/kg soil dw	No potential for bioaccumulation
Propyl P-Hydroxybenzoate	16.5 µg/L	1.65 µg/L	2 mg/L	115 µg/kg sediment dw	11.5 µg/kg sediment dw	No hazard identified	52 µg/kg soil dw	No potential for bioaccumulation

Note 1:

A: Freshwater; B: Seawater; C: Sewage treatment plant; D: Sediment (freshwater); E: Sediment (seawater); F: Air; G: Soil; H: Secondary poisoning(Hazard for Predators).

Note 2:

The PNEC values of the remaining components not shown in the product are not available yet.

8.2 Exposure controls

8.2.1 Engineering controls

1	Ensure adequate ventilation, especially in confined areas.
2	Ensure that eyewash stations and safety showers are close to the workstation location.
3	Set up emergency exit and necessary risk-elimination area.
4	Handle in accordance with good industrial hygiene and safety practice.

8.2.2 Personal protection equipment

General requirement	No special requirements, please see the description below.
Eye protection	In general situation, eye protection is not needed. In the production process, when contacting with vapour or dust, tightly fitting safety goggles.
Hand protection	In general situation, hand protection is not needed.
Respiratory protection	In general situation, respiratory protection is not needed. If exposure limits are exceeded or if irritation or other symptoms are experienced, wear dust proof mask or gas defence mask.
Skin and body protection	In general situation, skin and body protection are not needed.

8.2.3 Environmental exposure controls

Environmental exposure controls	No information available
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Part 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Gel
Colour	White/Transparent
Odor	No information available
Odor threshold	No information available

pH	No information available
Melting point/freezing point(°C)	No information available
Initial boiling point and boiling range(°C)	No information available
Flash point(Closed cup,°C)	Not applicable
Evaporation rate	Not applicable
Flammability	No information available
Upper/lower explosive limits[%(v/v)]	Upper limit: No information available; Lower limit: No information available
Vapor pressure	Not applicable
Relative vapour density(Air=1)	Not applicable
Relative density(Water=1)	No information available
Solubility	No information available
n-octanol/water partition coefficient	No information available
Auto-ignition temperature(°C)	No information available
Decomposition temperature(°C)	No information available
Kinematic viscosity(mm²/s)	Not applicable
Explosive properties	No information available
Oxidizing properties	No information available
Particle characteristics	No information available

9.2 Other information

9.2.1 Information with regard to physical hazard classes

Information with regard to physical hazard classes	No information available
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9.2.2 Other safety characteristics

Other safety characteristics	No information available
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Part 10: Stability and reactivity

Stability and reactivity

10.1 Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
10.2 Chemical stability	Stable under proper operation and storage conditions.
10.3 Possibility of hazardous reactions	In contact with an open flame may cause a fire or explosion.
10.4 Conditions to avoid	Incompatible materials, heat, flame and spark.
10.5 Incompatible materials	Oxidantss and halogen.
10.6 Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Part 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 with amendment 2023/707

Butter/Butter Slime/Snow Fluffy/Snow Slime	
Skin corrosion/irritation	Based on available data, the classification criteria are not met

Serious eye damage/irritation	Based on available data, the classification criteria are not met
Skin sensitization	Based on available data, the classification criteria are not met
Respiratory sensitization	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	Based on available data, the classification criteria are not met
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met

Acute toxicity

Component	LD ₅₀ (oral)	LD ₅₀ (dermal)	LC ₅₀ (inhalation,4h)
Propyl P-Hydroxybenzoate	6332mg/kg(Mouse)	No information available	No information available
Sodium Dehydroacetate	500mg/kg(Rat)	No information available	No information available
Sodium Carboxymethyl Cellulose	27000mg/kg(Rat)	> 2000mg/kg(Rabbit)	> 5.8mg/L(Rat)
Glycerin	12600mg/kg(Rat)	> 10000mg/kg(Rabbit)	No information available
Agar Powder	11000mg/kg(Rat)	No information available	No information available
Sodium Tripolyphosphate	3120mg/kg(Rat)	> 4640mg/kg(Rabbit)	No information available
Borax	4500mg/kg(Rat)	No information available	No information available
Polyvinyl Alcohol	23900mg/kg(Rat)	No information available	No information available

Carcinogenicity

Component	List of carcinogens by the IARC Monographs	Report on Carcinogens by NTP
Aqua(Water)	Not Listed	Not Listed
Polyvinyl Alcohol	Category 3	Not Listed
Sodium Carboxymethyl Cellulose	Not Listed	Not Listed
Agar Powder	Not Listed	Not Listed
Glycerin	Not Listed	Not Listed
Copolymey	Not Listed	Not Listed
Xanthan Gum	Not Listed	Not Listed
Sodium Tripolyphosphate	Not Listed	Not Listed
Sodium Dehydroacetate	Not Listed	Not Listed
Borax	Not Listed	Not Listed
Propyl P-Hydroxybenzoate	Not Listed	Not Listed
Isobutane	Not Listed	Not Listed

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Component	Endocrine disrupting properties
Aqua(Water)	No information available
Polyvinyl Alcohol	No information available

Sodium Carboxymethyl Cellulose	No information available
Agar Powder	No information available
Glycerin	No information available
Copolymey	No information available
Xanthan Gum	No information available
Sodium Tripolyphosphate	No information available
Sodium Dehydroacetate	No information available
Borax	No information available
Propyl P-Hydroxybenzoate	No information available
Isobutane	No information available

11.2.2 Other Information

Other Information	See Section 11.1
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Part 12: Ecological information

12.1 Toxicity

Acute aquatic toxicity

Component	Fish	Crustaceans	Algae
Sodium Dehydroacetate	LC ₅₀ : 100mg/L (96h)(Fresh water fish)	EC ₅₀ : > 100mg/L (48h)(Daphnia magna)	ErC ₅₀ : 32.1mg/L (72h)(Freshwater algae)
Sodium Carboxymethyl Cellulose	No information available	EC ₅₀ : 87.3mg/L (48h)(Daphnia magna)	No information available
Glycerin	LC ₅₀ : 885mg/L (96h)(Fresh water fish)	No information available	No information available
Sodium Tripolyphosphate	LC ₅₀ : 1850mg/L (96h)(Fresh water fish)	EC ₅₀ : 277mg/L (48h)(Daphnia magna)	No information available
Borax	No information available	No information available	ErC ₅₀ : 15.4mg/L (96h)(Freshwater algae)

Chronic aquatic toxicity

Chronic aquatic toxicity	No information available
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12.2 Persistence and degradability

Component	Persistence (water/soil)	Persistence (air)
Propyl P-Hydroxybenzoate	Low	Low
Isobutane	High	High

12.3 Bioaccumulative potential

Component	Bioaccumulative potential	Comments
Propyl P-Hydroxybenzoate	Low	Log Kow=3.04
Isobutane	Low	BCF=1.97

12.4 Mobility in soil

Component	log Koc	Remark	Data source
Sodium Tripolyphosphate	2.15	20 °C	ECHA
Sodium Dehydroacetate	1	25 °C	ECHA
Propyl P-Hydroxybenzoate	2.46	20 °C	ECHA

Isobutane	1.545		Chemwatch
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12.5 Results of PBT and vPvB assessment

Component	Results of PBT and vPvB assessment [according to (EC) No 1907/2006 with amendment 2020/878]
Aqua(Water)	No information available
Polyvinyl Alcohol	No information available
Sodium Carboxymethyl Cellulose	No information available
Agar Powder	No information available
Glycerin	Not PBT/vPvB
Copolymer	No information available
Xanthan Gum	No information available
Sodium Tripolyphosphate	Not PBT/vPvB
Sodium Dehydroacetate	Not PBT/vPvB
Borax	Not applicable
Propyl P-Hydroxybenzoate	Not PBT/vPvB
Isobutane	Not applicable

12.6 Endocrine disrupting properties

Component	Endocrine disrupting properties
Aqua(Water)	No information available
Polyvinyl Alcohol	No information available
Sodium Carboxymethyl Cellulose	No information available
Agar Powder	No information available
Glycerin	No information available
Copolymer	No information available
Xanthan Gum	No information available
Sodium Tripolyphosphate	No information available
Sodium Dehydroacetate	No information available
Borax	No information available
Propyl P-Hydroxybenzoate	No information available
Isobutane	No information available

12.7 Other adverse effects

	No information available
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Part 13: Disposal considerations

13.1 Waste treatment methods

Waste chemicals	Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.
Contaminated packaging	Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.
Disposal recommendations	Refer to section waste chemicals and contaminated packaging.

Part 14: Transport information

Label

Transporting Label	Not applicable
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IMDG-CODE

IMDG-CODE	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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ICAO/IATA-DGR

ICAO/IATA-DGR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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UN-ADR

UN-ADR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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Special precautions for user

	Transport vehicles should be equipped with the appropriate variety and quantity of fire equipment and emergency equipment leakage during transport. Before transport, should be preceded by checking whether container integrity, sealing. The transport unit must be placarded and marked in accordance with relevant transporting requirements.
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Maritime transport in bulk according to IMO instruments

- ◆ Transport in bulk according to Annex II of MARPOL and the IBC code

	No information available
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- ◆ Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

	No information available
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- ◆ Transport in bulk in accordance with the IGC Code

	No information available
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Part 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

International chemical inventory

Component	A	B	C	D	E	F	G	H	I	J	K	L	M
Aqua(Water)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Polyvinyl Alcohol	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sodium Carboxymethyl Cellulose	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Agar Powder	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	✓	✓
Glycerin	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Copolymey	✓	×	✓	✓	✓	✓	✓	✓	✓	×	×	✓	✓
Xanthan Gum	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sodium Tripolyphosphate	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sodium Dehydroacetate	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓
Borax	✓	×	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓
Propyl P-Hydroxybenzoate	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Isobutane	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

- 【A】 China Inventory of Existing Chemical Substances(IECSC)
- 【B】 European Inventory of Existing Commercial Chemical Substances(EC inventory)
- 【C】 United States Toxic Substances Control Act Inventory(TSCA)
- 【D】 Canadian Domestic Substances List(DSL)
- 【E】 New Zealand Inventory of Chemicals(NZIoC)
- 【F】 Philippines Inventory of Chemicals and Chemical Substances(PICCS)
- 【G】 Korea Existing Chemicals Inventory(KECL)
- 【H】 Australian. Inventory of Industrial Chemical (AIICS)
- 【I】 Japan Inventory of Existing & New Chemical Substances(ENCS)
- 【J】 Thailand Existing Chemicals Inventory(TECI)
- 【K】 Mexico National Inventory of Chemical Substances(INSQ)
- 【L】 Russia Inventory of Existing Substances(DRAFT)
- 【M】 Inventory of Existing Chemical Substances in Taiwan, China(TCSI)

List of Chemical Substances under International Conventions

Component	A	B	C
Aqua(Water)	×	×	×
Polyvinyl Alcohol	×	×	×
Sodium Carboxymethyl Cellulose	×	×	×
Agar Powder	×	×	×
Glycerin	×	×	×
Copolymer	×	×	×
Xanthan Gum	×	×	×
Sodium Tripolyphosphate	×	×	×
Sodium Dehydroacetate	×	×	×
Borax	×	×	×
Propyl P-Hydroxybenzoate	×	×	×
Isobutane	×	×	×

- 【A】 The Montreal Protocol on Substances that Deplete the Ozone Layer
- 【B】 Stockholm Convention on Persistent Organic Pollutants (POPs)
- 【C】 Rotterdam Convention on the prior informed consent procedure for certain hazardous chemicals and pesticides in international trade

European chemical inventory

Component	A	B	C	D	E	F	G	H	I
Aqua(Water)	×	×	×	✓	×	×	×	×	×
Polyvinyl Alcohol	×	×	×	✓	×	×	×	×	×
Sodium Carboxymethyl Cellulose	×	×	×	✓	×	×	×	×	×
Agar Powder	×	×	×	✓	×	×	×	×	×
Glycerin	×	×	×	✓	✓	×	×	×	×
Copolymer	×	×	×	✓	×	×	×	×	×
Xanthan Gum	×	×	×	✓	×	×	×	×	×
Sodium Tripolyphosphate	×	×	×	✓	✓	×	×	×	×
Sodium Dehydroacetate	×	×	×	✓	✓	×	×	×	×
Borax	✓	×	✓	✓	×	×	×	×	×
Propyl P-Hydroxybenzoate	×	×	×	✓	✓	✓	×	×	×

Isobutane	×	×	✓	✓	✓	×	×	×	×
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- 【A】** Candidate list of Substances of Very High Concern for authorization under EU REACH regulation
【B】 Substances requiring authorisation under EU REACH regulation
【C】 Substances restricted under EU REACH
【D】 Pre-registered substances under EU REACH
【E】 Registered substances under EU REACH
【F】 Substance Evaluation – CoRAP under EU REACH
【G】 List of priority substances under EU water policy (Directive 2455/2001/EC)
【H】 Substances subject to POPs Regulation
【I】 Substances proposed as POPs

Note:

“√” Indicates that the substance included in the regulations.

“×” No data or not included in the regulations.

German water hazard class(WGK)

Component	WGK	Remark
Polyvinyl Alcohol	WGK 1	
Sodium Carboxymethyl Cellulose	WGK 1	
Glycerin	WGK 1	
Xanthan Gum	WGK 1	
Sodium Tripolyphosphate	WGK 1	
Borax	WGK 1	
Propyl P-Hydroxybenzoate	WGK 1	
Isobutane	nwg	

- 【WGK 1】** slightly hazardous to water
【WGK 2】 obviously hazardous to water
【WGK 3】 highly hazardous to water
【nwg】 non-hazardous to water
【awg】 hazardous to water in general

German technical instructions on air quality control(TA LUFT)

Component	TA LUFT	Remark
Polyvinyl Alcohol	Chapter 5.2.5 Organic Substances, dust,including fine dust.To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values:Mass flow:0,20 kg/hr or Mass conc.:20 mg/m ³ The mass per unit volume of 0,15 g/m ³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h.For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m ³ .	
Sodium Carboxymethyl Cellulose	Chapter 5.2.5 Organic Substances, dust,including fine dust.To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values:Mass flow:0,20 kg/hr or Mass conc.:20 mg/m ³ The mass per unit volume of 0,15 g/m ³ in exhaust gas is not	

	allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h. For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m ³ .	
Agar Powder	Chapter 5.2.5 Organic Substances, dust, including fine dust. To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values: Mass flow: 0,20 kg/hr or Mass conc.: 20 mg/m ³ The mass per unit volume of 0,15 g/m ³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h. For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m ³ .	
Glycerin	Chapter 5.2.5 Organic Substances. The following values, specified as overall carbon, are in all not allowed to be exceeded in exhaust gas: Mass flow: 0,50 kg/hr or Mass conc.: 50 mg/m ³ At old units with an annual mass flow till 1,5 Mg/a, specified as total carbon, the emissions in exhaust gas are not allowed to exceed 1,5 kg/h.	
Sodium Tripolyphosphate	Chapter 5.2.1 Overall Dust, including fine dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values: Mass flow: 0,20 kg/hr or Mass conc.: 20 mg/m ³ The mass per unit volume of 0,15 g/m ³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h. For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m ³ .	
Sodium Dehydroacetate	Chapter 5.2.5 Organic Substances, dust, including fine dust. To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values: Mass flow: 0,20 kg/hr or Mass conc.: 20 mg/m ³ The mass per unit volume of 0,15 g/m ³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h. For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m ³ .	
Borax	Chapter 5.2.7.1.3 Substances toxic to reproduction Mass flow: 2,5 g/hr or Mass conc.: 1 mg/m ³	
Propyl P-Hydroxybenzoate	Chapter 5.2.5 Organic Substances, dust, including fine dust. To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values: Mass flow: 0,20 kg/hr or Mass conc.: 20 mg/m ³ The mass per unit volume of 0,15 g/m ³ in exhaust gas is not allowed to be exceeded also on observance or	

	lower deviation of a mass flow of 0,20 kg/h. For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m ³ .	
Isobutane	Chapter 5.2.5 Organic Substances. The following values, specified as overall carbon, are in all not allowed to be exceeded in exhaust gas: Mass flow: 0,50 kg/hr or Mass conc.: 50 mg/m ³ At old units with an annual mass flow till 1,5 Mg/a, specified as total carbon, the emissions in exhaust gas are not allowed to exceed 1,5 kg/h.	

German technical rules for hazardous substances (TRGS)

Component	TRGS	Remark
Aqua (Water)	TRGS 500 TRGS 509 TRGS 510	
Polyvinyl Alcohol	TRGS 500 TRGS 509 TRGS 510 TRGS 800 TRGS 720 TRGS 721 TRGS 722 TRGS 723 TRGS 724	
Sodium Carboxymethyl Cellulose	TRGS 500 TRGS 509 TRGS 510 TRGS 800 TRGS 720 TRGS 721 TRGS 722 TRGS 723 TRGS 724	
Agar Powder	TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Glycerin	TRGS 402 TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Sodium Tripolyphosphate	TRGS 500 TRGS 509 TRGS 510	
Sodium Dehydroacetate	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Borax	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 402 TRGS 401 TRGS 500 TRGS 509 TRGS 510 TRGS 560	
Propyl P-Hydroxybenzoate	TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Isobutane	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 402 TRGS 407 TRGS 745 TRGS 3145 TRGS 746 TRGS 3146 TRGS 510 TRGS 500 TRGS 800 TRGS 720 TRGS 721 TRGS 722 TRGS 723 TRGS 724	

15.2 Chemical safety assessment

	No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.
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Part 16: Other information

Information on revision

Creation Date	2025/09/01
Revision Date	-
Reason for revision	-

Reference

- [1]** IPCS: The International Chemical Safety Cards (ICSC), website: <http://www.ilo.org/dyn/icsc/showcard.home>.
- [2]** IARC, website: <http://www.iarc.fr/>.
- [3]** OECD: The Global Portal to Information on Chemical Substances, website: <https://www.chemportal.org/chemportal/>.
- [4]** CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>.
- [5]** NLM: ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>.

- 【6】 EPA: Integrated Risk Information System, website: <http://cfpub.epa.gov/iris/>.
【7】 U.S. Department of Transportation: ERG, website: <http://www.phmsa.dot.gov/hazmat/library/erg>.
【8】 Germany GESTIS-database on hazard substance, website: <http://gestis-en.itrust.de/>.

Abbreviations and acronyms

CAS	Chemical Abstracts Service	UN	The United Nations
PC-STEL	Short term exposure limit	OECD	Organization for Economic Co-operation and Development
PC-TWA	Time Weighted Average	IMDG-CODE	International Maritime Dangerous Goods CODE
MAC	Maximum Allowable Concentration	IARC	International Agency for Research on Cancer
DNEL	Derived No Effect Level	ICAO	International Civil Aviation Organization
PNEC	Predicted No Effect Concentration	IATA	International Air Transportation Association
NOEC	No Observed Effect Concentration	ACGIH	American Conference of Governmental Industrial Hygienists
LC ₅₀	Lethal Concentration 50%	NFPA	National Fire Protection Association
LD ₅₀	Lethal Dose 50%	NTP	National Toxicology Program
EC ₅₀	Effective Concentration 50%	PBT	Persistent, Bioaccumulative, Toxic
EC _X	Effective Concentration X%	vPvB	very Persistent, very Bioaccumulative
P _{OW}	Partition coefficient Octanol: Water	CMR	Carcinogens, mutagens or substances toxic to reproduction
BCF	Bioconcentration factor	RPE	Respiratory Protective Equipment
ED	Endocrine disruptor	G1	Carcinogenic to humans
G2A	Probably carcinogenic to humans	G2B	Possibly carcinogenic to humans
G3	Not yet classified as carcinogenic to humans	G4	Probably not carcinogenic to humans

Disclaimer

This Safety Data Sheet (SDS) was prepared according to REACH Regulation & GHS. The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.