



Safety Data Sheet

ASIN/Item No.: SSC 448/Slime Flower Shop 2 IN 1

Brand: SO SLIME

Manufacture: Canal Toys

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Date: 2026-04-17

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Remark :main MSDS please see next page.

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Molding Butter

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*Prepared in accordance with EU REACH Regulation (REACH 1907/2006 with amendment 2020/878)|GHS (11th Revised Edition)

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

1.1 Product identifier

Product Name	Molding Butter
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	No special instructions.
Uses advised against	No special instructions.

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
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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 (11th 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]
Water	Not PBT
Petrolatum	Not PBT/vPvB
Copolymer	No information available
Polyvinyl Alcohol	No information available
Glycerol	Not PBT/vPvB
D-Sorbitol	No information available
Sodium Tetraborate Decahydrate	No information available
Sodium Alcohol Ether Sulphate	No information available
Sodium Dodecyl Sulfate	Not PBT/vPvB
1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	Not PBT/vPvB
2-Bromo-2-nitro-1,3-propane diol	Not PBT/vPvB
3-Iodoprop-2-yn-1-yl butylcarbamate	Not PBT/vPvB
Yellow 151	Not PBT/vPvB
Red 122	Not PBT/vPvB
Green G	No information available

◆ Results of endocrine disrupting properties assessment

Component	Results of endocrine disrupting properties assessment [according to (EU) No 2017/2100 or (EU) No 2018/605]	
	Human endocrine disruptor	Environmental endocrine disruptor

Water	No information available	No information available
Petrolatum	No information available	No information available
Copolymer	No information available	No information available
Polyvinyl Alcohol	No information available	No information available
Glycerol	No information available	No information available
D-Sorbitol	No information available	No information available
Sodium Tetraborate Decahydrate	No information available	No information available
Sodium Alcohol Ether Sulphate	No information available	No information available
Sodium Dodecyl Sulfate	No information available	No information available
1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	No information available	No information available
2-Bromo-2-nitro-1,3-propane diol	No information available	No information available
3-Iodoprop-2-yn-1-yl butylcarbamate	No information available	No information available
Yellow 151	No information available	No information available
Red 122	No information available	No information available
Green G	No information available	No information available

◆ Other

	Not applicable.
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Part 3: Composition/information on ingredients

3.1 Substance

	Not applicable
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3.2 Mixture

Component	Weight %content(or range)	Classification according to Regulation (EC) No. 1272/2008 with amendment 2023/707 [CLP]	SCL, M-factor and ATE
Main components			
Water CAS No.: 7732-18-5 EC No.: 231-791-2 Index No.: -	40.31	Not Classified	-
Petrolatum CAS No.: 8009-03-8 EC No.: 232-373-2 Index No.: 649-254-00-X	16.5	Carcinogenicity, Category 1B, H350	-
Copolymer CAS No.: 25214-39-5 EC No.: 607-652-0 Index No.: -	14.2	Not Classified	-
Polyvinyl Alcohol CAS No.: 9002-89-5 EC No.: 618-340-9 Index No.: -	12.5	Not Classified	-
Glycerol CAS No.: 56-81-5	7.9	Not Classified	-

EC No.: 200-289-5 Index No.: -			
D-Sorbitol CAS No.: 98201-93-5 EC No.: 619-324-4 Index No.: -	5.4	No information available	-
Sodium Tetraborate Decahydrate CAS No.: 1303-96-4 EC No.: 603-411-9 Index No.: 005-011-00-4	0.09	Reproductive toxicity, Category 1B, H360	-
Sodium Alcohol Ether Sulphate CAS No.: 9004-82-4 EC No.: 618-398-5 Index No.: -	0.8	Acute Toxicity - Oral, Category 4, H302; Serious eye damage/irritation, Category 2, H319	-
Sodium Dodecyl Sulfate CAS No.: 151-21-3 EC No.: 205-788-1 Index No.: -	0.6	Acute Toxicity - Oral, Category 4, H302; Skin Corrosion/Irritation, Category 2, H315; Serious eye damage/irritation, Category 1, H318; Hazardous to the aquatic environment - long-term (chronic) hazard, Category 3, H412	H319:10 % ≤ C < 20 % H318:C ≥ 20 %
1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione CAS No.: 6440-58-0 EC No.: 229-222-8 Index No.: -	0.6	Acute Toxicity - Oral, Category 4, H302	-
2-Bromo-2-nitro-1,3-propanediol CAS No.: 52-51-7 EC No.: 200-143-0 Index No.: 603-085-00-8	0.05	Acute Toxicity - Oral, Category 4, H302; Acute Toxicity - Dermal, Category 4, H312; Skin Corrosion/Irritation, Category 2, H315; Serious eye damage/irritation, Category 1, H318; Specific target organ toxicity - single exposure; respiratory tract irritation, Category 3, H335; Hazardous to the aquatic environment - short-term (acute) hazard, Category 1, H400	M=10
3-Iodoprop-2-yn-1-yl butylcarbamate CAS No.: 55406-53-6 EC No.: 259-627-5 Index No.: 616-212-00-7	0.05	Acute Toxicity - Oral, Category 4, H302; Sensitization - skin, Category 1, H317; Serious eye damage/irritation, Category 1, H318; Acute Toxicity - Inhalation, Category 3, H331; Specific target organ toxicity - repeated exposure, Category 1, H372; Hazardous to the aquatic environment - short-term (acute) hazard, Category 1, H400; Hazardous to the aquatic environment - long-term (chronic) hazard, Category 1, H410	M=10; M(Chronic)=1

May Contain			
Yellow 151 CAS No.: 31837-42-0 EC No.: 250-830-4 Index No.: -	0- 1	Not Classified	-
Red 122 CAS No.: 980-26-7 EC No.: 213-561-3 Index No.: -	0- 1	Not Classified	-
Green G CAS No.: 1328-53-6 EC No.: 215-524-7 Index No.: -	0- 1	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.
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
Glycerol	France	-	10	-	-
	Germany (AGS)	-	200	-	400
	Germany (DFG)	-	200	-	400
	United Kingdom	-	10	-	-
	Belgium	-	10	-	-
	Finland	-	20	-	-
Sodium Tetraborate Decahydrate	France	-	5	-	-
	Germany (DFG)	-	0.75(inhalable aerosol)	-	0.75(inhalable aerosol)
	United Kingdom	-	5	-	-
	Belgium	-	2	-	6
	Denmark	-	2	-	4
	Ireland	-	2	-	-
3-Iodoprop-2-yn-1-yl butylcarbamate	Germany (AGS)	0.005	0.058	0.01	0.116
	Germany (DFG)	0.005	0.058	0.01	0.116
	Switzerland	0.01	0.12	0.02	0.24

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)
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
Petrolatum	Inhalation	No information available	No information available	No information available	2.73 mg/m ³
	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
Copolymer	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
Glycerol	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
D-Sorbitol	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 Tetraborate Decahydrate	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 Alcohol Ether Sulphate	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 Dodecyl Sulfate	Inhalation	No information available	No information available	No information available	285 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
1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	Inhalation	No information available	No information available	No information available	70.6 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
2-Bromo-2-nitro-1,3-propanediol	Inhalation	No information available	No information available	2.5 mg/m3	3.5 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
3-Iodoprop-2-yn-1-yl butylcarbamate	Inhalation	No information available	No information available	1.16 mg/m3	0.023 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
Yellow 151	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

Red 122	Inhalation	No information available	No information available	3 mg/m3	147 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
Green G	Inhalation	No information available	No information available	1.25 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
Petrolatum	No information available	No information available	No information available	No information available	No information available	No hazard identified	No information available	9.33 mg/kg food
Glycerol	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 Dodecyl Sulfate	176 µg/L	17.6 µg/L	1.35 mg/L	6.97 mg/kg sediment dw	697 µg/kg sediment dw	No hazard identified	1.29 mg/kg soil dw	No potential for bioaccumulation
1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	510 µg/L	51 µg/L	10 mg/L	No information available	No information available	No hazard identified	No information available	No information available
2-Bromo-2-nitro-1,3-propanediol	1.25 µg/L	520 ng/L	430 µg/L	21.5 µg/kg sediment dw	8.944 µg/kg sediment dw	No hazard identified	210 µg/kg soil dw	No potential for bioaccumulation
3-Iodoprop-2-yn-1-yl butylcarbamate	500 ng/L	46 ng/L	440 µg/L	17 µg/kg sediment dw	1.6 µg/kg sediment dw	No hazard identified	5 µg/kg soil dw	No potential for bioaccumulation
Yellow 151	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No potential to cause toxic effects if accumulated (in higher organisms) via the food chain
Red 122	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
Green G	100 µg/L	10 µg/L	1 g/L	No hazard	No hazard	No hazard	No hazard	No potential

				identified	identified	identified	identified	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	Clay
Colour	Pink/Yellow/Green
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(mm ² /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 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

Molding Butter	
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)
2-Bromo-2-nitro-1,3-propane diol	254mg/kg(Rat)	1600mg/kg(Rat)	No information available
Red 122	> 23000mg/kg(Rat)	> 3000mg/kg(Rabbit)	No information available

Sodium Dodecyl Sulfate	1288mg/kg(Rat)	600mg/kg(Rabbit)	No information available
Polyvinyl Alcohol	23900mg/kg(Rat)	No information available	No information available
Sodium Alcohol Ether Sulphate	1600mg/kg(Rat)	No information available	No information available
1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	2000mg/kg(Rat)	No information available	No information available
Glycerol	12600mg/kg(Rat)	> 10000mg/kg(Rabbit)	No information available
Sodium Tetraborate Decahydrate	4500mg/kg(Rat)	No information available	No information available

Carcinogenicity

Component	List of carcinogens by the IARC Monographs	Report on Carcinogens by NTP
Water	Not Listed	Not Listed
Petrolatum	Not Listed	Not Listed
Copolymer	Not Listed	Not Listed
Polyvinyl Alcohol	Category 3	Not Listed
Glycerol	Not Listed	Not Listed
D-Sorbitol	Not Listed	Not Listed
Sodium Tetraborate Decahydrate	Not Listed	Not Listed
Sodium Alcohol Ether Sulphate	Not Listed	Not Listed
Sodium Dodecyl Sulfate	Not Listed	Not Listed
1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	Not Listed	Not Listed
2-Bromo-2-nitro-1,3-propane diol	Not Listed	Not Listed
3-Iodoprop-2-yn-1-yl butylcarbamate	Not Listed	Not Listed
Yellow 151	Not Listed	Not Listed
Red 122	Not Listed	Not Listed
Green G	Not Listed	Not Listed

11.2 Information on other hazards

11.2.1 Human endocrine disrupting properties

Component	Human endocrine disrupting properties
Water	No information available
Petrolatum	No information available
Copolymer	No information available
Polyvinyl Alcohol	No information available
Glycerol	No information available
D-Sorbitol	No information available
Sodium Tetraborate Decahydrate	No information available
Sodium Alcohol Ether Sulphate	No information available

Sodium Dodecyl Sulfate	No information available
1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	No information available
2-Bromo-2-nitro-1,3-propane diol	No information available
3-Iodoprop-2-yn-1-yl butylcarbamate	No information available
Yellow 151	No information available
Red 122	No information available
Green G	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
2-Bromo-2-nitro-1,3-propane diol	LC ₅₀ : 39mg/L (96h)(Fish)	EC ₅₀ : 1.6mg/L (48h)(Daphnia magna)	No information available
Red 122	LC ₅₀ : > 100mg/L (96h)(Fish)	EC ₅₀ : > 100mg/L (48h)(Daphnia magna)	ErC ₅₀ : > 10mg/L (72h)(Algae)
3-Iodoprop-2-yn-1-yl butylcarbamate	LC ₅₀ : 0.41mg/L (96h)(Marine water fish)	EC ₅₀ : 0.55mg/L (48h)(Daphnia magna)	ErC ₅₀ : 0.053mg/L (72h)(Freshwater algae)
Sodium Dodecyl Sulfate	LC ₅₀ : 29mg/L (96h)(Fresh water fish)	EC ₅₀ : 9.8mg/L (48h)(Daphnia magna)	ErC ₅₀ : 9.46mg/L (96h)(Freshwater algae)
Yellow 151	LC ₅₀ : > 1mg/L (96h)(Fish)	EC ₅₀ : > 100mg/L (48h)(Daphnia magna)	No information available
1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	LC ₅₀ : 82.3mg/L (96h)(Fresh water fish)	No information available	No information available
Glycerol	LC ₅₀ : 885mg/L (96h)(Fresh water fish)	No information available	No information available
Sodium Tetraborate Decahydrate	No information available	No information available	ErC ₅₀ : 15.4mg/L (96h)(Freshwater algae)

Chronic aquatic toxicity

Component	Fish	Crustaceans	Algae or other aquatic plants
Red 122	NOEC: ≥10mg/L(Fish)	No information available	No information available
3-Iodoprop-2-yn-1-yl butylcarbamate	NOEC: 0.0084mg/L(Fish)	No information available	No information available

12.2 Persistence and degradability

Component	Persistence (water/soil)	Persistence (air)
Sodium Alcohol Ether Sulphate	Low	Low
Sodium Dodecyl Sulfate	High	High
1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	Low	Low
2-Bromo-2-nitro-1,3-propane diol	Low	Low

3-Iodoprop-2-yn-1-yl butylcarbamate	High	High
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12.3 Bioaccumulative potential

Component	Bioaccumulative potential	Comments
Sodium Alcohol Ether Sulphate	Low	Log Kow=-1.38
Sodium Dodecyl Sulfate	Low	BCF=7.15
1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	Low	Log Kow=-2.3729
2-Bromo-2-nitro-1,3-propanediol	Low	Log Kow=0.18
3-Iodoprop-2-yn-1-yl butylcarbamate	Low	Log Kow=2.4542
Green G	Low	BCF=74

12.4 Mobility in soil

Component	log Koc	Remark	Data source
Sodium Alcohol Ether Sulphate	1.155		Chemwatch
Sodium Dodecyl Sulfate	2.50	20 °C	ECHA
1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	1.90	20 °C	ECHA
2-Bromo-2-nitro-1,3-propanediol	0.000		Chemwatch
3-Iodoprop-2-yn-1-yl butylcarbamate	2.48996	22°C, pH=5.8	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]
Water	Not PBT
Petrolatum	Not PBT/vPvB
Copolymer	No information available
Polyvinyl Alcohol	No information available
Glycerol	Not PBT/vPvB
D-Sorbitol	No information available
Sodium Tetraborate Decahydrate	No information available
Sodium Alcohol Ether Sulphate	No information available
Sodium Dodecyl Sulfate	Not PBT/vPvB
1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	Not PBT/vPvB
2-Bromo-2-nitro-1,3-propanediol	Not PBT/vPvB
3-Iodoprop-2-yn-1-yl butylcarbamate	Not PBT/vPvB
Yellow 151	Not PBT/vPvB
Red 122	Not PBT/vPvB

Green G	No information available
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12.6 Endocrine disrupting properties

Component	Endocrine disrupting properties
Water	No information available
Petrolatum	No information available
Copolymer	No information available
Polyvinyl Alcohol	No information available
Glycerol	No information available
D-Sorbitol	No information available
Sodium Tetraborate Decahydrate	No information available
Sodium Alcohol Ether Sulphate	No information available
Sodium Dodecyl Sulfate	No information available
1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	No information available
2-Bromo-2-nitro-1,3-propanediol	No information available
3-Iodoprop-2-yn-1-yl butylcarbamate	No information available
Yellow 151	No information available
Red 122	No information available
Green G	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.

Maritime transport in bulk according to IMO instruments

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

No information available

- ◆ Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

No information available

- ◆ Transport in bulk in accordance with the IGC Code

No information available

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
Water	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Petrolatum	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓	✓
Copolymer	✓	✗	✓	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓
Polyvinyl Alcohol	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Glycerol	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
D-Sorbitol	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓
Sodium Tetraborate Decahydrate	✓	✗	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓
Sodium Alcohol Ether Sulphate	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓
Sodium Dodecyl Sulfate	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2-Bromo-2-nitro-1,3-propanediol	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3-Iodoprop-2-yn-1-yl butylcarbamate	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Yellow 151	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓
Red 122	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓
Green G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓

- 【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
Water	×	×	×
Petrolatum	×	×	×
Copolymer	×	×	×
Polyvinyl Alcohol	×	×	×
Glycerol	×	×	×
D-Sorbitol	×	×	×
Sodium Tetraborate Decahydrate	×	×	×
Sodium Alcohol Ether Sulphate	×	×	×
Sodium Dodecyl Sulfate	×	×	×
1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	×	×	×
2-Bromo-2-nitro-1,3-propanediol	×	×	×
3-Iodoprop-2-yn-1-yl butylcarbamate	×	×	×
Yellow 151	×	×	×
Red 122	×	×	×
Green G	×	×	×

- 【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
Water	×	×	×	✓	×	×	×	×	×
Petrolatum	×	×	✓	✓	✓	×	×	×	×
Copolymer	×	×	×	✓	×	×	×	×	×
Polyvinyl Alcohol	×	×	×	✓	×	×	×	×	×
Glycerol	×	×	×	✓	✓	×	×	×	×
D-Sorbitol	×	×	×	✓	×	×	×	×	×
Sodium Tetraborate Decahydrate	✓	×	✓	✓	×	×	×	×	×
Sodium Alcohol Ether Sulphate	×	×	×	✓	×	×	×	×	×
Sodium Dodecyl Sulfate	×	×	×	✓	✓	×	×	×	×
1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	×	×	×	✓	✓	×	×	×	×
2-Bromo-2-nitro-1,3-propanediol	×	×	×	✓	✓	×	×	×	×
3-Iodoprop-2-yn-1-yl butylcarbamate	×	×	×	✓	✓	×	×	×	×

Yellow 151	×	×	×	✓	✓	×	×	×	×
Red 122	×	×	×	✓	✓	×	×	×	×
Green G	×	×	×	✓	✓	×	×	×	×

- 【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
Petrolatum	nwg	
Polyvinyl Alcohol	WGK 1	
Glycerol	WGK 1	
Sodium Tetraborate Decahydrate	WGK 1	
Sodium Dodecyl Sulfate	WGK 2	
1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	WGK 3	
2-Bromo-2-nitro-1,3-propane diol	WGK 2	
3-Iodoprop-2-yn-1-yl butylcarbamate	WGK 3	
Yellow 151	WGK 1	
Red 122	WGK 1	
Green G	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
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 .	
Glycerol	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 Dodecyl Sulfate	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 .	
1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	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 .	
2-Bromo-2-nitro-1,3-propanediol	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 .	
3-Iodoprop-2-yn-1-yl butylcarbamate	Chapter 5.2.5 Organic Substances, class I. The following values are in all not allowed to be exceeded in the exhaust gas: Mass flow: 0,10 kg/hr or Mass conc.: 20 mg/m ³	
Red 122	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 .	
Green G	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
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	
Glycerol	TRGS 402 TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Sodium Dodecyl Sulfate	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 401 TRGS 500 TRGS 509 TRGS 510 TRGS 800 TRGS 720 TRGS 721 TRGS 722 TRGS 723 TRGS 724	
1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 401 TRGS 500 TRGS 509 TRGS 510	
2-Bromo-2-nitro-1,3-propanediol	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 401 TRGS 500 TRGS 509 TRGS 510 TRGS 800	
3-Iodoprop-2-yn-1-yl butylcarbamate	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 402 TRGS 401 TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Red 122	TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Green G	TRGS 500 TRGS 509 TRGS 510 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	2026/04/08
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 & 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.

Flower

Version: V2.0.1.1

Report No.: HGBZ2509QZ11

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	Flower
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]
Starch	No information available
Polyvinyl Alcohol	No information available
Sodium Dodecyl Sulfate	Not PBT/vPvB
Glycerol	Not PBT/vPvB
Calcium Carbonate	Not applicable
May Contain	No information available
Yellow 151	Not PBT/vPvB
Red 122	Not PBT/vPvB
Blue 27	No information available

◆ Results of endocrine disrupting properties assessment

Component	Results of endocrine disrupting properties assessment [according to (EU) No 2017/2100 or (EU) No 2018/605]
Starch	No information available
Polyvinyl Alcohol	No information available
Sodium Dodecyl Sulfate	No information available
Glycerol	No information available
Calcium Carbonate	No information available
May Contain	No information available
Yellow 151	No information available
Red 122	No information available

Blue 27	No information available
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◆ 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
Starch CAS No.: 9005-25-8 EC No.: 232-679-6 Index No.: -	50	Not Classified	-
Polyvinyl Alcohol CAS No.: 9002-89-5 EC No.: 618-340-9 Index No.: -	25	Not Classified	-
Sodium Dodecyl Sulfate CAS No.: 151-21-3 EC No.: 205-788-1 Index No.: -	0.9	Acute Toxicity - Oral, Category 4, H302; Skin Corrosion/Irritation, Category 2, H315; Serious eye damage/irritation, Category 1, H318; Hazardous to the aquatic environment - long-term (chronic) hazard, Category 3, H412	H318:C≥20% H319:10%≤C<20%
Glycerol CAS No.: 56-81-5 EC No.: 200-289-5 Index No.: -	22.1	Not Classified	-
Calcium Carbonate CAS No.: 471-34-1 EC No.: 207-439-9 Index No.: -	0.4- 1.2	Not Classified	-
May Contain			
Yellow 151 CAS No.: 31837-42-0 EC No.: 250-830-4 Index No.: -	0- 1.6	Not Classified	-
Red 122 CAS No.: 980-26-7 EC No.: 213-561-3 Index No.: -	0- 1.3	Not Classified	-
Blue 27 CAS No.: 12240-15-2 EC No.: 602-780-3 Index No.: -	0- 0.4	Acute Toxicity - Oral, Category 4, H302; Acute Toxicity - Dermal, Category 4, H312; Acute Toxicity - Inhalation, Category 4, H332	-

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.
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Eye contact	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Skin contact	Rinse and then wash skin with water and soap.
Ingestion	Rinse mouth.
Inhalation	Fresh air, rest.
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.
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.
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◆ 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.
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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
Starch	United Kingdom	-	10(inhalable fraction);4(respirable fraction)	-	-
	Belgium	-	10	-	-
	Ireland	-	10	-	-
	New Zealand	-	10	-	-
	Spain	-	10(inhalable aerosol)	-	-
	Switzerland	-	3(respirable aerosol)	-	-
Glycerol	France	-	10	-	-

	Germany (AGS)	-	200	-	400
	Germany (DFG)	-	200	-	400
	United Kingdom	-	10	-	-
	Belgium	-	10	-	-
	Finland	-	20	-	-
Calcium Carbonate	France	-	10(inhalable aerosol)	-	-
	United Kingdom	-	10(inhalable fraction);4(respirable fraction)	-	-
	Ireland	-	10	-	-
	Latvia	-	6	-	-
	New Zealand	-	10	-	-
	Poland	-	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)
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
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 Dodecyl Sulfate	Inhalation	No information available	No information available	No information available	285 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
Glycerol	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
Calcium Carbonate	Inhalation	No information available	No information available	6.36 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
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
Yellow 151	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
Red 122	Inhalation	No information available	No information available	3 mg/m3	147 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
Blue 27	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
Sodium Dodecyl Sulfate	176 µg/L	17.6 µg/L	1.35 mg/L	6.97 mg/kg sediment dw	697 µg/kg sediment dw	No hazard identified	1.29 mg/kg soil dw	No potential for bioaccumulation
Glycerol	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
Calcium Carbonate	No hazard identified	No hazard identified	100 mg/L	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No potential for bioaccumulation
Yellow 151	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No potential to cause toxic effects if accumulated (in higher organisms) via the food chain
Red 122	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	Solid
Colour	Pink/Yellow/Turquoise/Purple/Orange/Green/Rose
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(mm ² /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 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

Flower	
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)
Polyvinyl Alcohol	23900mg/kg(Rat)	No information available	No information available
Sodium Dodecyl Sulfate	1288mg/kg(Rat)	600mg/kg(Rabbit)	No information available
Glycerol	12600mg/kg(Rat)	> 10000mg/kg(Rabbit)	No information available
Red 122	> 23000mg/kg(Rat)	> 3000mg/kg(Rabbit)	No information available

Carcinogenicity

Component	List of carcinogens by the IARC Monographs	Report on Carcinogens by NTP
Starch	Not Listed	Not Listed
Polyvinyl Alcohol	Category 3	Not Listed
Sodium Dodecyl Sulfate	Not Listed	Not Listed
Glycerol	Not Listed	Not Listed
Calcium Carbonate	Not Listed	Not Listed
May Contain	Not Listed	Not Listed
Yellow 151	Not Listed	Not Listed
Red 122	Not Listed	Not Listed
Blue 27	Not Listed	Not Listed

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Component	Endocrine disrupting properties
Starch	No information available
Polyvinyl Alcohol	No information available
Sodium Dodecyl Sulfate	No information available
Glycerol	No information available
Calcium Carbonate	No information available
May Contain	No information available
Yellow 151	No information available
Red 122	No information available
Blue 27	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
Yellow 151	LC ₅₀ : > 1mg/L (96h)(Fish)	EC ₅₀ : > 100mg/L (48h)(Daphnia magna)	No information available
Sodium Dodecyl Sulfate	LC ₅₀ : 29mg/L (96h)(Fresh water fish)	EC ₅₀ : 9.8mg/L (48h)(Daphnia magna)	ErC ₅₀ : 9.46mg/L (96h)(Freshwater algae)
Glycerol	LC ₅₀ : 885mg/L (96h)(Fresh water fish)	No information available	No information available
Red 122	LC ₅₀ : > 100mg/L (96h)(Fish)	EC ₅₀ : > 100mg/L (48h)(Daphnia magna)	ErC ₅₀ : > 10mg/L (72h)(Algae)

Chronic aquatic toxicity

Component	Fish	Crustaceans	Algae or other aquatic plants
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Red 122	NOEC: $\geq 10\text{mg/L}$ (Fish)	No information available	No information available
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12.2 Persistence and degradability

Component	Persistence (water/soil)	Persistence (air)
Sodium Dodecyl Sulfate	High	High

12.3 Bioaccumulative potential

Component	Bioaccumulative potential	Comments
Sodium Dodecyl Sulfate	Low	BCF=7.15

12.4 Mobility in soil

Component	log K _{oc}	Remark	Data source
Sodium Dodecyl Sulfate	2.50	20 °C	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]
Starch	No information available
Polyvinyl Alcohol	No information available
Sodium Dodecyl Sulfate	Not PBT/vPvB
Glycerol	Not PBT/vPvB
Calcium Carbonate	Not applicable
May Contain	No information available
Yellow 151	Not PBT/vPvB
Red 122	Not PBT/vPvB
Blue 27	No information available

12.6 Endocrine disrupting properties

Component	Endocrine disrupting properties
Starch	No information available
Polyvinyl Alcohol	No information available
Sodium Dodecyl Sulfate	No information available
Glycerol	No information available
Calcium Carbonate	No information available
May Contain	No information available
Yellow 151	No information available
Red 122	No information available
Blue 27	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.
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	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
Starch	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Polyvinyl Alcohol	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sodium Dodecyl Sulfate	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Glycerol	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Calcium Carbonate	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
May Contain	×	×	×	×	×	×	×	×	×	×	×	×	×
Yellow 151	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓
Red 122	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓
Blue 27	✓	×	×	✓	✓	✓	×	✓	✓	✓	✓	✓	✓

- [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
Starch	×	×	×
Polyvinyl Alcohol	×	×	×
Sodium Dodecyl Sulfate	×	×	×
Glycerol	×	×	×
Calcium Carbonate	×	×	×
May Contain	×	×	×
Yellow 151	×	×	×
Red 122	×	×	×
Blue 27	×	×	×

- [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
Starch	×	×	×	✓	×	×	×	×	×
Polyvinyl Alcohol	×	×	×	✓	×	×	×	×	×
Sodium Dodecyl Sulfate	×	×	×	✓	✓	×	×	×	×
Glycerol	×	×	×	✓	✓	×	×	×	×
Calcium Carbonate	×	×	×	✓	✓	×	×	×	×
May Contain	×	×	×	×	×	×	×	×	×
Yellow 151	×	×	×	✓	✓	×	×	×	×
Red 122	×	×	×	✓	✓	×	×	×	×
Blue 27	×	×	×	✓	×	×	×	×	×

- [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

【1】 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	
Polyvinyl Alcohol	WGK 1	
Sodium Dodecyl Sulfate	WGK 2	
Glycerol	WGK 1	
Calcium Carbonate	nwg	
Yellow 151	WGK 1	
Red 122	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
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 .	
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 Dodecyl Sulfate	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 .	
Glycerol	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.	
Calcium Carbonate	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 .	
Red 122	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
Starch	TRGS 500 TRGS 509 TRGS 510 TRGS 800 TRGS 720 TRGS 721 TRGS 722 TRGS 723 TRGS 724	
Polyvinyl Alcohol	TRGS 500 TRGS 509 TRGS 510 TRGS 800 TRGS 720 TRGS 721 TRGS 722 TRGS 723 TRGS 724	
Sodium Dodecyl Sulfate	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 401 TRGS 500 TRGS 509 TRGS 510 TRGS 800 TRGS 720 TRGS 721 TRGS 722 TRGS 723 TRGS 724	
Glycerol	TRGS 402 TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Calcium Carbonate	TRGS 500 TRGS 509 TRGS 510	
Red 122	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	2025/09/23
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.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 & 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.

Slime Goo/Glossy/Scented Glossy

Version: V2.0.1.1
Report No.: HGBZ2509LXP1
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	Slime Goo/Glossy/Scented Glossy
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]
Water	No information available
Propylene Glycol	Not PBT/vPvB
Polyvinyl Alcohol	No information available
Guar Gum	No information available
Sodium Dehydroacetate	Not PBT/vPvB
Fragrance	No information available
Tincalconite (B₄Na₂O₇·5H₂O)	No information available
May Contain	No information available
Calcium Carbonate	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]
Water	No information available
Propylene Glycol	No information available
Polyvinyl Alcohol	No information available
Guar Gum	No information available
Sodium Dehydroacetate	No information available
Fragrance	No information available
Tincalconite (B₄Na₂O₇·5H₂O)	No information available

May Contain	No information available
Calcium Carbonate	No information available

◆ Other

	Not applicable.
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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
Water CAS No.: 7732-18-5 EC No.: 231-791-2 Index No.: -	78.11- 78.31	Not Classified	-
Propylene Glycol CAS No.: 57-55-6 EC No.: 200-338-0 Index No.: -	0.12	Not Classified	-
Polyvinyl Alcohol CAS No.: 9002-89-5 EC No.: 618-340-9 Index No.: -	0.06	Not Classified	-
Guar Gum CAS No.: 9000-30-0 EC No.: 232-536-8 Index No.: -	0.031	Not Classified	-
Sodium Dehydroacetate CAS No.: 4418-26-2 EC No.: 224-580-1 Index No.: 607-164-00-8	0.003	Acute Toxicity - Oral, Category 4, H302	-
Fragrance CAS No.: - EC No.: - Index No.: -	0.002	No information available	-
Tincalconite (B₄Na₂O₇·5H₂O) CAS No.: 12045-88-4 EC No.: 601-708-8 Index No.: -	0.0009	Reproductive toxicity, Category 1B, H360	-
May Contain			
Calcium Carbonate CAS No.: 471-34-1 EC No.: 207-439-9 Index No.: -	0- 0.2	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
Propylene Glycol	United Kingdom	-	10(particulates)	-	-
	Ireland	150(vapour and particulates)	470(vapour and particulates)	-	-
	Latvia	-	7	-	-
	New Zealand	150	474	-	-
	Norway	25	79	-	-
	Poland	-	100	-	-
Calcium Carbonate	France	-	10(inhalable aerosol)	-	-
	United Kingdom	-	10(inhalable fraction);4(respirable fraction)	-	-
	Ireland	-	10	-	-
	Latvia	-	6	-	-
	New Zealand	-	10	-	-
	Poland	-	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)
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
Propylene Glycol	Inhalation	No information available	No information available	10 mg/m3	168 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
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
Guar 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 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
Fragrance	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
Tincalconite (B ₄ Na ₂ O ₇ ·5H ₂ O)	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
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	No information	No information	No information

		available	available	available	available
Calcium Carbonate	Inhalation	No information available	No information available	6.36 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
Propylene Glycol	260 mg/L	26 mg/L	20 g/L	572 mg/kg sediment dw	57.2 mg/kg sediment dw	No hazard identified	50 mg/kg soil dw	No potential for bioaccumulation
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
Calcium Carbonate	No hazard identified	No hazard identified	100 mg/L	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	Gel
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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)	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 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

Slime Goo/Glossy/Scented Glossy	
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)
Guar Gum	6770mg/kg(Rat)	No information available	No information available
Propylene Glycol	20000mg/kg(Rat)	20800mg/kg(Rabbit)	No information available
Polyvinyl Alcohol	23900mg/kg(Rat)	No information available	No information available
Sodium Dehydroacetate	500mg/kg(Rat)	No information available	No information available

Carcinogenicity

Component	List of carcinogens by the IARC Monographs	Report on Carcinogens by NTP
Water	Not Listed	Not Listed
Propylene Glycol	Not Listed	Not Listed
Polyvinyl Alcohol	Category 3	Not Listed
Guar Gum	Not Listed	Not Listed
Sodium Dehydroacetate	Not Listed	Not Listed
Fragrance	Not Listed	Not Listed
Tincalconite (B₄Na₂O₇·5H₂O)	Not Listed	Not Listed
May Contain	Not Listed	Not Listed
Calcium Carbonate	Not Listed	Not Listed

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

Component	Endocrine disrupting properties
Water	No information available
Propylene Glycol	No information available
Polyvinyl Alcohol	No information available
Guar Gum	No information available
Sodium Dehydroacetate	No information available
Fragrance	No information available
Tincalconite (B₄Na₂O₇·5H₂O)	No information available

May Contain	No information available
Calcium Carbonate	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
Propylene Glycol	LC ₅₀ : >100mg/L (96h)(Oryzias latipes)	EC ₅₀ : >1000mg/L (48h)(Daphnia magna)	ErC ₅₀ : >1000mg/L (72h)(Pseudokirchneriella subcapitata)
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)

Chronic aquatic toxicity

Component	Fish	Crustaceans	Algae or other aquatic plants
Propylene Glycol	NOEC: >100mg/L(Oryzias latipes)	NOEC: 1000mg/L(Daphnia magna)	NOEC: 1000mg/L(Pseudokirchneriella subcapitata)

12.2 Persistence and degradability

Component	Persistence (water/soil)	Persistence (air)
Propylene Glycol	Low	Low

12.3 Bioaccumulative potential

Component	Bioaccumulative potential	Comments
Propylene Glycol	Low	BCF=1

12.4 Mobility in soil

Component	log K _{oc}	Remark	Data source
Propylene Glycol	0.46	20 °C	ECHA
Sodium Dehydroacetate	1	25 °C	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]
Water	No information available
Propylene Glycol	Not PBT/vPvB
Polyvinyl Alcohol	No information available
Guar Gum	No information available
Sodium Dehydroacetate	Not PBT/vPvB
Fragrance	No information available
Tincalconite (B₄Na₂O·7.5H₂O)	No information available
May Contain	No information available
Calcium Carbonate	Not applicable

12.6 Endocrine disrupting properties

Component	Endocrine disrupting properties
Water	No information available
Propylene Glycol	No information available
Polyvinyl Alcohol	No information available
Guar Gum	No information available
Sodium Dehydroacetate	No information available
Fragrance	No information available
Tincalconite (B ₄ Na ₂ O·7.5H ₂ O)	No information available
May Contain	No information available
Calcium Carbonate	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.

Maritime transport in bulk according to IMO instruments

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

No information available

- ◆ Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

No information available

- ◆ Transport in bulk in accordance with the IGC Code

No information available

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
Water	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Propylene Glycol	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Polyvinyl Alcohol	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Guar Gum	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓
Sodium Dehydroacetate	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓
Fragrance	×	×	×	×	×	×	×	×	×	×	×	×	×
Tincalconite (B4Na2O7.5H2O)	×	×	×	×	✓	×	×	✓	×	×	✓	✓	✓
May Contain	×	×	×	×	×	×	×	×	×	×	×	×	×
Calcium Carbonate	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

- [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
Water	×	×	×
Propylene Glycol	×	×	×
Polyvinyl Alcohol	×	×	×
Guar Gum	×	×	×
Sodium Dehydroacetate	×	×	×
Fragrance	×	×	×
Tincalconite (B4Na2O7.5H2O)	×	×	×
May Contain	×	×	×
Calcium Carbonate	×	×	×

- [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
Water	×	×	×	✓	×	×	×	×	×
Propylene Glycol	×	×	×	✓	✓	×	×	×	×
Polyvinyl Alcohol	×	×	×	✓	×	×	×	×	×
Guar Gum	×	×	×	✓	×	×	×	×	×
Sodium Dehydroacetate	×	×	×	✓	✓	×	×	×	×
Fragrance	×	×	×	×	×	×	×	×	×
Tincalconite (B4Na2O7.5H2O)	×	×	×	✓	×	×	×	×	×
May Contain	×	×	×	×	×	×	×	×	×
Calcium Carbonate	×	×	×	✓	✓	×	×	×	×

- 【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
Propylene Glycol	WGK 1	
Polyvinyl Alcohol	WGK 1	
Guar Gum	WGK 1	
Calcium Carbonate	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
Propylene Glycol	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.	
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 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 .	
Calcium Carbonate	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 .	

German technical rules for hazardous substances(TRGS)

Component	TRGS	Remark
Water	TRGS 500 TRGS 509 TRGS 510	
Propylene Glycol	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 Dehydroacetate	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Calcium Carbonate	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	2025/09/23
Revision Date	-

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 & 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.

Biodegradable Glitter

Version: V2.0.1.1
Report No.: HGBZ2511CMA1
Creation Date: 2025/11/24
Revision Date: -

*Prepared in accordance with EU REACH Regulation (REACH 1907/2006 with amendment 2020/878)|GHS (11th Revised Edition)

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

1.1 Product identifier

Product Name	Biodegradable Glitter
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	No special instructions.
Uses advised against	No special instructions.

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 (11th 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
-----------------	----------------

◆ 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]
Cellulose	No information available
Resin Acids	Based on the available information, it is impossible to make PBT assessment
Aluminium	Not applicable
Red 3	No information available
Blue 35	No information available

◆ Results of endocrine disrupting properties assessment

Component	Results of endocrine disrupting properties assessment [according to (EU) No 2017/2100 or (EU) No 2018/605]
Cellulose	No information available
Resin Acids	No information available
Aluminium	No information available
Red 3	No information available
Blue 35	No information available

◆ Other

	Not applicable.
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Part 3: Composition/information on ingredients**3.1 Substance**

	Not applicable
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3.2 Mixture

Component	Weight %content(or range)	Classification according to	SCL, M-factor and ATE
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		Regulation (EC) No. 1272/2008 with amendment 2023/707 [CLP]	
Main components			
Cellulose CAS No.: 9004-34-6 EC No.: 232-674-9 Index No.: -	98.5	Not Classified	-
Resin Acids CAS No.: 68648-53-3 EC No.: 271-996-4 Index No.: -	1.4	Not Classified	-
Aluminium CAS No.: 7429-90-5 EC No.: 231-072-3 Index No.: 013-001-00-6	0.05	Pyrophoric solids, Category 1, H250; Substances and mixtures which, in contact with water, emit flammable gases, Category 2, H261	-
May Contain			
Red 3 CAS No.: 6535-42-8 EC No.: 229-439-8 Index No.: -	0- 0.04	Not Classified	-
Blue 35 CAS No.: 17354-14-2 EC No.: 241-379-4 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. |
| 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
Cellulose	France	-	10(inhalable aerosol)	-	-
	United Kingdom	-	10(inhalable fraction);4(respirable fraction)	-	20(inhalable fraction)
	Belgium	-	10	-	-
	Ireland	-	10	-	-
	Latvia	-	2	-	-
	New Zealand	-	10	-	-
Aluminium	France	-	10(inhalable aerosol)	-	-
	Germany (DFG)	-	4	-	-
	United Kingdom	-	10(inhalable fraction);4(respirable fraction)	-	-
	Austria	-	10	-	20
	Belgium	-	1	-	-
	Denmark	-	5(inhalable aerosol)	-	10(inhalable aerosol)

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)
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
Resin Acids	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
Aluminium	Inhalation	No information available	No information available	3.72 mg/m3	3.72 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
Red 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
Blue 35	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
Resin Acids	100 µg/L	10 µg/L	2.525 mg/L	2317.75 mg/kg sediment dw	231.78 mg/kg sediment dw	No hazard identified	462.06 mg/kg soil dw	No potential to cause toxic effects if accumulated (in higher organisms) via the food chain
Aluminium	No information available	No information available	20 mg/L	No information available	No information available	No hazard identified	No information available	No information available

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.
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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	Solid
Colour	Purple/Silver/Rose Red/Pink/Blue
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(mm ² /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	No information available
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physical hazard classes

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	Reacts with Hg severely and forms amalgam.
10.4 Conditions to avoid	Incompatible materials, heat, flame and spark.
10.5 Incompatible materials	Oxidants, halogen, interhalogen and mercury.
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**

Biodegradable Glitter	
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)
Cellulose	> 5000mg/kg(Rat)	> 2000mg/kg(Rabbit)	> 5.8mg/L(Rat)

Carcinogenicity

Component	List of carcinogens by the IARC Monographs	Report on Carcinogens by NTP
Cellulose	Not Listed	Not Listed
Resin Acids	Not Listed	Not Listed
Aluminium	Not Listed	Not Listed
Red 3	Not Listed	Not Listed
Blue 35	Not Listed	Not Listed

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

Component	Endocrine disrupting properties
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Cellulose	No information available
Resin Acids	No information available
Aluminium	No information available
Red 3	No information available
Blue 35	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
Blue 35	No information available	EC ₅₀ : > 100mg/L (48h)(Aquatic invertebrates)	No information available
Aluminium	LC ₅₀ : 1.55mg/L (96h)(Fish)	No information available	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)
Cellulose	Low	Low
Red 3	High	High

12.3 Bioaccumulative potential

Component	Bioaccumulative potential	Comments
Cellulose	Low	Log Kow=-5.1249
Red 3	High	Log Kow=5.0368

12.4 Mobility in soil

Component	log Koc	Remark	Data source
Cellulose	1.000		Chemwatch
Red 3	4.682		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]
Cellulose	No information available
Resin Acids	Based on the available information, it is impossible to make PBT assessment
Aluminium	Not applicable
Red 3	No information available
Blue 35	No information available

12.6 Endocrine disrupting properties

Component	Endocrine disrupting properties
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Cellulose	No information available
Resin Acids	No information available
Aluminium	No information available
Red 3	No information available
Blue 35	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
Cellulose	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓
Resin Acids	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	×	✓	✓
Aluminium	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Red 3	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	✓	✓
Blue 35	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓

- 【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
Cellulose	×	×	×
Resin Acids	×	×	×
Aluminium	×	×	×
Red 3	×	×	×
Blue 35	×	×	×

- 【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
Cellulose	×	×	×	✓	×	×	×	×	×
Resin Acids	×	×	×	✓	✓	×	×	×	×
Aluminium	×	×	×	✓	✓	×	×	×	×
Red 3	×	×	×	✓	×	×	×	×	×
Blue 35	×	×	×	✓	✓	×	×	×	×

- 【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
Resin Acids	WGK 1	
Aluminium	nwg	
Red 3	WGK 2	
Blue 35	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
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 .	
Aluminium	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 .	

German technical rules for hazardous substances(TRGS)

Component	TRGS	Remark
Cellulose	TRGS 500 TRGS 509 TRGS 510 TRGS 800 TRGS 720 TRGS 721 TRGS 722 TRGS 723 TRGS 724	
Aluminium	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	2025/11/24
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 & 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.