



Safety Data Sheet

ASIN/Item No.: ART 025/Paint Colour Maker Studio

Brand: ART LAB

Manufacture: Canal Toys

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Avenue No. 5, Zhangmutou Town, Dongguan City,
Guangdong Province, P. R. China. 523618
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Date: 2026-05-06

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

Remark :main MSDS please see next page.

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Masking Fluid(Glue)

Version: V2.0.1.1
Report No.: HGBZ2603HTO1
Creation Date: 2026/03/27
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	Masking Fluid(Glue)
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
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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]
Polyacrylic Acid	No information available
Water	Not PBT
Ethylparaben	Not PBT/vPvB

◆ Results of endocrine disrupting properties assessment

Component	Results of endocrine disrupting properties assessment [according to (EU) No 2017/2100 or (EU) No 2018/605]	
	Human endocrine disruptor	Environmental endocrine disruptor
Polyacrylic Acid	No information available	No information available
Water	No information available	No information available
Ethylparaben	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
Polyacrylic Acid CAS No.: 9003-01-4	60	Not Classified	-

EC No.: 920-377-3 Index No.: -			
Water CAS No.: 7732-18-5 EC No.: 231-791-2 Index No.: -	39.5	Not Classified	-
Ethylparaben CAS No.: 120-47-8 EC No.: 204-399-4 Index No.: -	0.5	Not Classified	-

Part 4: First aid measures

4.1 Description of first aid measures

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

4.2 Most important symptoms/effects, acute and delayed

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

1	Treat symptomatically.
2	Symptoms may be delayed.

Part 5: Fire-fighting measures

5.1 Extinguishing media

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

5.2 Specific hazards arising from the substance or mixture

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

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

Part 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

1	Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.
2	Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

- | | |
|---|---|
| 3 | Use personal protective equipment,do not breathe gas/mist/vapour/spray. |
|---|---|

6.2 Environmental precautions

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

6.3 Methods and materials for containment and cleaning up

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

6.4 Reference to other sections

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

Part 7: Handling and storage

7.1 Precautions for safe handling

◆ Protective measures

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

◆ Measures to prevent fire

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

◆ Measures to prevent aerosol and dust generation

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

◆ Advice on general occupational hygiene

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

7.2 Conditions for safe storage, including any incompatibilities

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

7.3 Specific end use(s)

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

Part 8: Exposure controls/personal protection

8.1 Control parameters

◆ Occupational exposure limit values

Component	Country/Region	Limit value - Eight hours		Limit value - Short term	
		ppm	mg/m ³	ppm	mg/m ³

Polyacrylic Acid	Germany (DFG)	-	0.05	-	0.05
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◆ 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)
Polyacrylic Acid	Inhalation	No information available	No information available	No information available	1.97 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
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
Ethylparaben	Inhalation	No information available	No information available	No information available	173 mg/m3
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available

◆ Predicted No Effect Concentration (PNEC)

Component	A	B	C	D	E	F	G	H
Polyacrylic Acid	3 µg/L	300 ng/L	900 µg/L	20.7 µg/kg sediment dw	2.07 µg/kg sediment dw	No hazard identified	3.117 µg/kg soil dw	No potential for bioaccumulation
Ethylparaben	10 µg/L	1 µg/L	2 mg/L	193.3 µg/kg sediment dw	19.3 µg/kg sediment dw	No hazard identified	32.8 µg/kg soil dw	No potential for bioaccumulation

Note 1:

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

Note 2:

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

8.2 Exposure controls

8.2.1 Engineering controls

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

- 4 Handle in accordance with good industrial hygiene and safety practice.

8.2.2 Personal protection equipment

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

8.2.3 Environmental exposure controls

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

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	White
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)	>35
Flash point(Closed cup,°C)	No information available
Evaporation rate	No information available
Flammability	No information available
Upper/lower explosive limits[% (v/v)]	Upper limit: No information available; Lower limit: No information available
Vapor pressure	No information available
Relative vapour density(Air=1)	No information available
Relative density(Water=1)	No information available
Solubility	No information available
n-octanol/water partition coefficient	No information available
Auto-ignition temperature(°C)	No information available
Decomposition temperature(°C)	No information available
Kinematic viscosity(mm ² /s)	No information available
Explosive properties	No information available
Oxidizing properties	No information available
Particle characteristics	Not applicable

9.2 Other information

9.2.1 Information with regard to physical hazard classes

Information with regard to	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	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

Masking Fluid(Glue)	
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)
Polyacrylic Acid	2500mg/kg(Rat)	No information available	No information available
Ethylparaben	3000mg/kg(Mouse)	No information available	No information available

Carcinogenicity

Component	List of carcinogens by the IARC Monographs	Report on Carcinogens by NTP
Polyacrylic Acid	Category 3	Not Listed
Water	Not Listed	Not Listed
Ethylparaben	Not Listed	Not Listed

11.2 Information on other hazards

11.2.1 Human endocrine disrupting properties

Component	Human endocrine disrupting properties
Polyacrylic Acid	No information available

Water	No information available
Ethylparaben	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
Polyacrylic Acid	LC ₅₀ : 27mg/L (96h)(Fresh water fish)	EC ₅₀ : 47~95mg/L (48h)(Aquatic invertebrates)	ErC ₅₀ : 0.13mg/L (72h)(Freshwater algae)
Ethylparaben	LC ₅₀ : 15mg/L (96h)(Fresh water 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)
Ethylparaben	Low	Low

12.3 Bioaccumulative potential

Component	Bioaccumulative potential	Comments
Ethylparaben	Low	Log Kow=2.47

12.4 Mobility in soil

Component	log Koc	Remark	Data source
Polyacrylic Acid	1.656		ECHA
Ethylparaben	2.20	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]
Polyacrylic Acid	No information available
Water	Not PBT
Ethylparaben	Not PBT/vPvB

12.6 Endocrine disrupting properties

Component	Endocrine disrupting properties
Polyacrylic Acid	No information available
Water	No information available
Ethylparaben	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
Polyacrylic Acid	✓	×	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓
Water	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ethylparaben	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

- 【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
Polyacrylic Acid	×	×	×
Water	×	×	×
Ethylparaben	×	×	×

- 【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
Polyacrylic Acid	×	×	×	√	√	×	×	×	×
Water	×	×	×	√	×	×	×	×	×
Ethylparaben	×	×	×	√	×	√	×	×	×

- 【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
Polyacrylic Acid	WGK 1	
Ethylparaben	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
Polyacrylic Acid	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 .	
Ethylparaben	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
Polyacrylic Acid	TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Water	TRGS 500 TRGS 509 TRGS 510	
Ethylparaben	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	2026/03/27
Revision Date	-
Reason for revision	-

Reference

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

Abbreviations and acronyms

CAS	Chemical Abstracts Service	UN	The United Nations
PC-STEL	Short term exposure limit	OECD	Organization for Economic Co-operation and Development
PC-TWA	Time Weighted Average	IMDG-CODE	International Maritime Dangerous Goods CODE
MAC	Maximum Allowable Concentration	IARC	International Agency for Research on Cancer
DNEL	Derived No Effect Level	ICAO	International Civil Aviation Organization
PNEC	Predicted No Effect Concentration	IATA	International Air Transportation Association

NOEC	No Observed Effect Concentration	ACGIH	American Conference of Governmental Industrial Hygienists
LC ₅₀	Lethal Concentration 50%	NFPA	National Fire Protection Association
LD ₅₀	Lethal Dose 50%	NTP	National Toxicology Program
EC ₅₀	Effective Concentration 50%	PBT	Persistent, Bioaccumulative, Toxic
EC _X	Effective Concentration X%	vPvB	very Persistent, very Bioaccumulative
P _{OW}	Partition coefficient Octanol: Water	CMR	Carcinogens, mutagens or substances toxic to reproduction
BCF	Bioconcentration factor	RPE	Respiratory Protective Equipment
ED	Endocrine disruptor	G1	Carcinogenic to humans
G2A	Probably carcinogenic to humans	G2B	Possibly carcinogenic to humans
G3	Not yet classified as carcinogenic to humans	G4	Probably not carcinogenic to humans

Disclaimer

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

Paint

Version: V2.0.1.1
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Revision Date: -

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

1.1 Product identifier

Product Name	Paint
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
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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]
Calcium carbonate	Not applicable
Water	Not PBT
Hydroxyethyl Cellulose	No information available
Triethanolamine	Not PBT/vPvB
Phenoxyethanol	Not PBT/vPvB
Silicon Dioxide	No information available
Carbon Black	Not PBT/vPvB
Red 122	Not PBT/vPvB
Yellow 1	Not PBT/vPvB
Blue 15	Not PBT/vPvB

◆ Results of endocrine disrupting properties assessment

Component	Results of endocrine disrupting properties assessment [according to (EU) No 2017/2100 or (EU) No 2018/605]	
	Human endocrine disruptor	Environmental endocrine disruptor
Calcium carbonate	No information available	No information available
Water	No information available	No information available
Hydroxyethyl Cellulose	No information available	No information available
Triethanolamine	No information available	No information available
Phenoxyethanol	No information available	No information available
Silicon Dioxide	No information available	No information available
Carbon Black	No information available	No information available

Red 122	No information available	No information available
Yellow 1	No information available	No information available
Blue 15	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			
Calcium carbonate CAS No.: 471-34-1 EC No.: 207-439-9 Index No.: -	55	Not Classified	-
Water CAS No.: 7732-18-5 EC No.: 231-791-2 Index No.: -	39.1- 41.1	Not Classified	-
Hydroxyethyl Cellulose CAS No.: 9004-62-0 EC No.: 618-387-5 Index No.: -	0.5	Skin Corrosion/Irritation, Category 2, H315; Serious eye damage/irritation, Category 2, H319; Specific target organ toxicity - single exposure; respiratory tract irritation, Category 3, H335	-
Triethanolamine CAS No.: 102-71-6 EC No.: 203-049-8 Index No.: -	0.2	Not Classified	-
Phenoxyethanol CAS No.: 122-99-6 EC No.: 204-589-7 Index No.: 603-098-00-9	0.2	Acute Toxicity - Oral, Category 4, H302; Serious eye damage/irritation, Category 1, H318; Specific target organ toxicity - single exposure; respiratory tract irritation, Category 3, H335	H302:ATE=1394 mg/kg bw
May Contain			
Silicon Dioxide CAS No.: 60676-86-0 EC No.: 262-373-8 Index No.: -	0- 5	Not Classified	-
Carbon Black CAS No.: 1333-86-4 EC No.: 215-609-9 Index No.: -	0- 5	Not Classified	-
Red 122 CAS No.: 980-26-7 EC No.: 213-561-3 Index No.: -	0- 5	Not Classified	-

Yellow 1 CAS No.: 2512-29-0 EC No.: 219-730-8 Index No.: -	0- 5	Not Classified	-
Blue 15 CAS No.: 147-14-8 EC No.: 205-685-1 Index No.: -	0- 5	Not Classified	-

Part 4: First aid measures

4.1 Description of first aid measures

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

4.2 Most important symptoms/effects, acute and delayed

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

1	Treat symptomatically.
2	Symptoms may be delayed.

Part 5: Fire-fighting measures

5.1 Extinguishing media

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

5.2 Specific hazards arising from the substance or mixture

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

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

Part 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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

6.2 Environmental precautions

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

6.3 Methods and materials for containment and cleaning up

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

6.4 Reference to other sections

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

Part 7: Handling and storage

7.1 Precautions for safe handling

◆ Protective measures

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

◆ Measures to prevent fire

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

◆ Measures to prevent aerosol and dust generation

- 1 Not applicable.

◆ Advice on general occupational hygiene

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

7.2 Conditions for safe storage, including any incompatibilities

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

7.3 Specific end use(s)

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

Part 8: Exposure controls/personal protection

8.1 Control parameters

◆ Occupational exposure limit values

Component	Country/Region	Limit value - Eight hours		Limit value - Short term	
		ppm	mg/m ³	ppm	mg/m ³
Calcium carbonate	France	-	10(inhalable aerosol)	-	-
	United Kingdom	-	10(inhalable	-	-

			fraction);4(respirable fraction)		
	Ireland	-	10	-	-
	Latvia	-	6	-	-
	New Zealand	-	10	-	-
	Poland	-	10	-	-
Triethanolamine	Germany (AGS)	-	1	-	1
	Germany (DFG)	-	1	-	1
	Austria	0.8	5(inhalable aerosol)	0.16	10(inhalable aerosol)
	Belgium	-	5	-	-
	Denmark	0.5	3.1	1	6.2
	Finland	-	5	-	-
Phenoxyethanol	Germany (AGS)	1	5.7	1	5.7
	Germany (DFG)	1	5.7	1	5.7
	Austria	20	110	20	110
	Finland	20	110	50	290
	Poland	-	230	-	-
	Switzerland	20	110	20	110
Silicon Dioxide	Germany (AGS)	-	0.3(respirable aerosol)	-	-
	Germany (DFG)	-	0.3	-	-
	United Kingdom	-	0.08	-	-
	Austria	-	0.3	-	-
	Belgium	-	0.1	-	-
	Denmark	-	0.1	-	0.2
Carbon Black	France	-	3.5	-	-
	United Kingdom	-	3.5	-	7
	Belgium	-	3	-	-
	Denmark	-	3.5	-	7
	Finland	-	3.5	-	7
	Hungary	-	3	-	-

◆ Biological limit values

Biological limit values	No relevant regulations
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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	Acute effects	Chronic effects	Chronic effects

		(local)	(systemic)	(local)	(systemic)
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
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
Hydroxyethyl 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
Triethanolamine	Inhalation	No information available	No information available	1 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
Phenoxyethanol	Inhalation	No information available	No information available	5.7 mg/m3	5.7 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
Silicon Dioxide	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
Carbon Black	Inhalation	No information available	No information available	No information available	1 mg/m3
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
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
Yellow 1	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 15	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
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
Triethanolamine	320 µg/L	32 µg/L	10 mg/L	1.7 mg/kg sediment dw	170 µg/kg sediment dw	No hazard identified	151 µg/kg soil dw	No potential for bioaccumulation
Phenoxyethanol	943 µg/L	94.3 µg/L	36 mg/L	7.237 mg/kg sediment dw	723.7 µg/kg sediment dw	No hazard identified	1.31 mg/kg soil dw	No potential for bioaccumulation
Carbon Black	50 mg/L	No information available	No information available	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No potential for bioaccumulation
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
Yellow 1	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
Blue 15	100 µg/L	10 µg/L	1 g/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	Liquid
Colour	White/Black/Magenta(Pink)/Yellow/Cyan(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)	>35
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

Paint	
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)
Red 122	> 23000mg/kg(Rat)	> 3000mg/kg(Rabbit)	No information available
Triethanolamine	5530mg/kg(Rat)	> 22500mg/kg(Rabbit)	No information available
Phenoxyethanol	1260mg/kg(Rat)	5510mg/kg(Rabbit)	No information available
Carbon Black	> 15400mg/kg(Rat)	> 3000mg/kg(Rabbit)	No information available

Carcinogenicity

Component	List of carcinogens by the IARC Monographs	Report on Carcinogens by NTP
Calcium carbonate	Not Listed	Not Listed
Water	Not Listed	Not Listed
Hydroxyethyl Cellulose	Not Listed	Not Listed
Triethanolamine	Category 3	Not Listed
Phenoxyethanol	Not Listed	Not Listed
Silicon Dioxide	Not Listed	Not Listed
Carbon Black	Category 2B	Not Listed

Red 122	Not Listed	Not Listed
Yellow 1	Not Listed	Not Listed
Blue 15	Not Listed	Not Listed

11.2 Information on other hazards

11.2.1 Human endocrine disrupting properties

Component	Human endocrine disrupting properties
Calcium carbonate	No information available
Water	No information available
Hydroxyethyl Cellulose	No information available
Triethanolamine	No information available
Phenoxyethanol	No information available
Silicon Dioxide	No information available
Carbon Black	No information available
Red 122	No information available
Yellow 1	No information available
Blue 15	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
Red 122	LC ₅₀ : >100mg/L (96h)(Fish)	EC ₅₀ : > 100mg/L (48h)(Daphnia magna)	ErC ₅₀ : > 10mg/L (72h)(Algae)
Triethanolamine	LC ₅₀ : 11800mg/L (96h)(Fresh water fish)	EC ₅₀ : 610mg/L (48h)(Daphnia magna)	No information available
Blue 15	No information available	EC ₅₀ : > 500mg/L (48h)(Aquatic invertebrates)	No information available
Phenoxyethanol	LC ₅₀ : 344mg/L (96h)(Fresh water fish)	No information available	No information available
Carbon Black	LC ₅₀ : >1000mg/L (96h)(Fish)	No information available	ErC ₅₀ : > 10000mg/L (72h)(Algae)
Yellow 1	No information available	EC ₅₀ : > 100mg/L (48h)(Daphnia magna)	ErC ₅₀ : > 100mg/L (72h)(Desmodesmus subspicatus)

Chronic aquatic toxicity

Component	Fish	Crustaceans	Algae or other aquatic plants
Red 122	NOEC: ≥10mg/L(Fish)	No information available	No information available

12.2 Persistence and degradability

Component	Persistence (water/soil)	Persistence (air)
Hydroxyethyl Cellulose	Low	Low

Triethanolamine	Low	Low
Phenoxyethanol	Low	Low
Yellow 1	High	High
Blue 15	High	High

12.3 Bioaccumulative potential

Component	Bioaccumulative potential	Comments
Hydroxyethyl Cellulose	Low	Log Kow=-8.995
Triethanolamine	Low	BCF=4
Phenoxyethanol	Low	Log Kow=1.2
Yellow 1	Medium	Log Kow=3.9388
Blue 15	Low	BCF=33

12.4 Mobility in soil

Component	log Koc	Remark	Data source
Hydroxyethyl Cellulose	1.000		Chemwatch
Triethanolamine	1.000		Chemwatch
Phenoxyethanol	1.61	20 °C	ECHA
Yellow 1	5.3	40°C	ECHA
Blue 15	10.000		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]
Calcium carbonate	Not applicable
Water	Not PBT
Hydroxyethyl Cellulose	No information available
Triethanolamine	Not PBT/vPvB
Phenoxyethanol	Not PBT/vPvB
Silicon Dioxide	No information available
Carbon Black	Not PBT/vPvB
Red 122	Not PBT/vPvB
Yellow 1	Not PBT/vPvB
Blue 15	Not PBT/vPvB

12.6 Endocrine disrupting properties

Component	Endocrine disrupting properties
Calcium carbonate	No information available
Water	No information available
Hydroxyethyl Cellulose	No information available
Triethanolamine	No information available
Phenoxyethanol	No information available

Silicon Dioxide	No information available
Carbon Black	No information available
Red 122	No information available
Yellow 1	No information available
Blue 15	No information available

12.7 Other adverse effects

No information available

Part 13: Disposal considerations

13.1 Waste treatment methods

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

Part 14: Transport information

Label

Transporting Label	Not applicable
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IMDG-CODE

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

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

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

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

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

No information available

- ◆ 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
Calcium carbonate	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Water	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Hydroxyethyl Cellulose	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Triethanolamine	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Phenoxyethanol	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Silicon Dioxide	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Carbon Black	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓
Red 122	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓
Yellow 1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Blue 15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

- 【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
Calcium carbonate	✗	✗	✗
Water	✗	✗	✗
Hydroxyethyl Cellulose	✗	✗	✗
Triethanolamine	✗	✗	✗
Phenoxyethanol	✗	✗	✗
Silicon Dioxide	✗	✗	✗
Carbon Black	✗	✗	✗
Red 122	✗	✗	✗
Yellow 1	✗	✗	✗
Blue 15	✗	✗	✗

- 【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
Calcium carbonate	✗	✗	✗	✓	✓	✗	✗	✗	✗

Water	×	×	×	✓	×	×	×	×	×
Hydroxyethyl Cellulose	×	×	×	✓	×	×	×	×	×
Triethanolamine	×	×	×	✓	✓	✓	×	×	×
Phenoxyethanol	×	×	×	✓	✓	×	×	×	×
Silicon Dioxide	×	×	×	✓	×	×	×	×	×
Carbon Black	×	×	×	✓	✓	✓	×	×	×
Red 122	×	×	×	✓	✓	×	×	×	×
Yellow 1	×	×	×	✓	✓	×	×	×	×
Blue 15	×	×	×	✓	✓	×	×	×	×

- 【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
Calcium carbonate	nwg	
Hydroxyethyl Cellulose	WGK 1	
Triethanolamine	WGK 1	
Phenoxyethanol	WGK 1	
Silicon Dioxide	nwg	
Carbon Black	nwg	
Red 122	WGK 1	
Yellow 1	WGK 1	
Blue 15	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
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 .	
Hydroxyethyl 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 .	
Silicon Dioxide	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 .	
Carbon Black	Chapter 5.2.1 Overall Dust, including fine dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values: Mass flow: 0,20 kg/hr or Mass conc.: 20 mg/m ³ The mass per unit volume of 0,15 g/m ³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h. For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m ³ .	
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 .	
Blue 15	Chapter 5.2.2 Inorganic dusts. Class III. Also with the presence of several substances of the same class, the following values are in all not allowed to be exceeded in the exhaust gas: Mass flow: 5 g/hr or Mass conc.: 1 mg/m ³ . Specified as Cu.	

German technical rules for hazardous substances(TRGS)

Component	TRGS	Remark
Calcium carbonate	TRGS 500 TRGS 509 TRGS 510	
Water	TRGS 500 TRGS 509 TRGS 510	
Hydroxyethyl Cellulose	TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Triethanolamine	TRGS 402 TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Phenoxyethanol	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 402 TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Silicon Dioxide	TRGS 402 TRGS 500 TRGS 509 TRGS 510	
Carbon Black	TRGS 500 TRGS 509 TRGS 510 TRGS 800 TRGS 720 TRGS 721 TRGS 722 TRGS 723 TRGS 724 TRGS 551 TRGS 906	
Red 122	TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Blue 15	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.

Part 16: Other information

Information on revision

Creation Date	2026/03/27
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.