



Safety Data Sheet

ASIN/Item No.: SSC 229/TWIST N SLIME

Brand: SO SLIME

Manufacture: Canal Toys

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Avenue No. 5, Zhangmutou Town, Dongguan City,
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Date: 2025-03-07

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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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Marble Slime

Version: V2.0.1.1
Report No.: HGBZ2502HPB1
Creation Date: 2025/02/13
Revision Date: -

*Prepared according to EU regulation No. 2020/878|GHS (10th Revised Edition)

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

1.1 Product identifier

Product Name	Marble Slime
CAS No.	Not applicable
EC No.	Not applicable
Molecular Formula	Not applicable
REACH Registration Number	-
UFI	No information available

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

Relevant identified uses	Toy Product.
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

2 Hazards identification

2.1 CLP classification according to Regulation (EC) No. 1272/2008|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]
Glycerol	Not PBT/vPvB
Expancel	No information available
Guar Gum	No information available
Phenoxyethanol	Not PBT/vPvB
Chlorphenesin	Not PBT/vPvB
Ethylhexylglycerin	Not PBT/vPvB
Monosodium phosphate	No information available
Sodium phosphate tribasic dodecahydrate	No information available
Boron oxide	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]
Glycerol	No information available
Expancel	No information available
Guar Gum	No information available
Phenoxyethanol	No information available
Chlorphenesin	No information available
Ethylhexylglycerin	No information available
Monosodium phosphate	No information available

Sodium phosphate tribasic dodecahydrate	No information available
Boron oxide	No information available

◆ Other

Not applicable.

3 Composition/information on ingredients

3.1 Substance/mixture

Mixture

Component	Weight % content (or range)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific Conc. Limits, M-factors
Glycerol CAS: 56-81-5 EC: 200-289-5 Index No.: -	< 10	Not Classified	-
Expancel CAS: 25214-39-5 EC: 607-652-0 Index No.: -	< 5.0	Not Classified	-
Guar Gum CAS: 39421-75-5 EC: 609-675-1 Index No.: -	< 5	Not Classified	-
Phenoxyethanol CAS: 122-99-6 EC: 204-589-7 Index No.: 603-098-00-9	< 1	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
Chlorphenesin CAS: 104-29-0 EC: 203-192-6 Index No.: -	< 0.50	Skin Corrosion/Irritation, Category 2, H315; Serious eye damage/irritation, Category 2, H319	-
Ethylhexylglycerin CAS: 70445-33-9 EC: 615-116-2 Index No.: 603-168-00-9	< 0.50	Serious eye damage/irritation, Category 1, H318; Hazardous To The Aquatic Environment – Long-Term (Chronic) Hazard, Category 3, H412	-
Monosodium phosphate CAS: 7558-80-7 EC: 231-449-2 Index No.: -	< 0.50	Not Classified	-
Sodium phosphate tribasic dodecahydrate CAS: 10101-89-0 EC: 600-151-8 Index No.: -	< 0.50	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	-
Boron oxide CAS: 1303-86-2 EC: 215-125-8 Index No.: 005-008-00-8	< 0.1	Reproductive Toxicity, Category 1B, H360	H360B:C≥3.1%

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
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	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.

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.

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	Cut off the source of the leak as much as possible.
2	Keep leaks in a ventilated place.

3	Isolation of contaminated areas and restrictions on access.
4	It is recommended that emergency personnel wear dust masks.
5	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	Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

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.

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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8 Exposure controls/personal protection

8.1 Control parameters

Component	Country/Region	Limit value - Eight hours		Limit value - Short term	
		ppm	mg/m ³	ppm	mg/m ³
Glycerol	Finland	-	20	-	-
	France	-	10	-	-
	Germany (AGS)	-	200	-	400
	Germany (DFG)	-	200	-	400

	Poland	-	10	-	-
	Spain	-	10	-	-
Phenoxyethanol	Finland	20	110	50	290
	Germany (AGS)	1	5.7	1	5.7
	Germany (DFG)	1	5.7	1	5.7
	Poland	-	230	-	-
	Switzerland	20	110	20	110
	Austria	20	110	20	110
Boron oxide	Denmark	-	10	-	20
	France	-	10	-	-
	Norway	-	10	-	-
	Poland	-	10	-	-
	Romania	-	10	-	15
	Spain	-	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 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)
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
Expancel	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
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

Chlorphenesin	Inhalation	No information available	No information available	No information available	1.64 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
Ethylhexylglycerin	Inhalation	No information available	No information available	No information available	0.875 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
Monosodium phosphate	Inhalation	No information available	No information available	No information available	4.07 mg/m3
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
Sodium phosphate tribasic dodecahydrate	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
Boron oxide	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)

Predicted No Effect Concentration (PNEC)	No information available
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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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9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Gel
Colour	No information available
Odor	Characteristic
Odor threshold	No information available
pH	7.2~7.7
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	23hPa (20°C)
Vapor 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)	Not combustible
Decomposition temperature(°C)	No information available
Kinematic viscosity(mm²/s)	Not applicable
Explosive properties	No information available
Oxidizing properties	No information available
Particle characteristics	No information available

9.2 Other information

9.2.1 Information with regard to physical hazard classes

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

Other safety characteristics	No information available
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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	No information available.
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.

11 Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

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

Acute toxicity

Component	LD ₅₀ (oral)	LD ₅₀ (dermal)	LC ₅₀ (inhalation,4h)
Glycerol	12600mg/kg(Rat)	> 10000mg/kg(Rabbit)	No information available
Monosodium phosphate	8290mg/kg(Rat)	No information available	No information available
Phenoxyethanol	1260mg/kg(Rat)	5510mg/kg(Rabbit)	No information available
Boron oxide	3163mg/kg(Mouse)	No information available	No information available
Sodium phosphate tribasic dodecahydrate	7400mg/kg(Rat)	No information available	No information available

Carcinogenicity

Component	List of carcinogens by the IARC Monographs	Report on Carcinogens by NTP
Glycerol	Not Listed	Not Listed
Expancel	Not Listed	Not Listed
Guar Gum	Not Listed	Not Listed
Phenoxyethanol	Not Listed	Not Listed
Chlorphenesin	Not Listed	Not Listed
Ethylhexylglycerin	Not Listed	Not Listed
Monosodium phosphate	Not Listed	Not Listed
Sodium phosphate tribasic dodecahydrate	Not Listed	Not Listed
Boron oxide	Not Listed	Not Listed

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

Component	Endocrine disrupting properties
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Glycerol	No information available
Expancel	No information available
Guar Gum	No information available
Phenoxyethanol	No information available
Chlorphenesin	No information available
Ethylhexylglycerin	No information available
Monosodium phosphate	No information available
Sodium phosphate tribasic dodecahydrate	No information available
Boron oxide	No information available

11.2.2 Other Information

Other Information	See Section 11.1
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12 Ecological information

12.1 Toxicity

Acute aquatic toxicity

Component	Fish	Crustaceans	Algae
Glycerol	LC ₅₀ : 885mg/L (96h)(Fresh water fish)	No information available	No information available
Monosodium phosphate	LC ₅₀ : > 100mg/L (96h)(Fresh water fish)	EC ₅₀ : > 100mg/L (48h)(Daphnia magna)	ErC ₅₀ : > 100mg/L (72h)(Freshwater algae)
Phenoxyethanol	LC ₅₀ : 344mg/L (96h)(Fresh water fish)	No information available	No information available
Boron oxide	LC ₅₀ : 79.7mg/L (96h)(Fresh water fish)	No information available	No information available
Ethylhexylglycerin	LC ₅₀ : 60.2mg/L (96h)(Fish)	EC ₅₀ : 78.3mg/L (48h)(Daphnia magna)	ErC ₅₀ : 84.3mg/L (72h)(Algae)
Chlorphenesin	LC ₅₀ : 100mg/L (96h)(Fresh water fish)	No information available	No information available
Sodium phosphate tribasic dodecahydrate	LC ₅₀ : 748mg/L (96h)(Fish)	No information available	No information available

Chronic aquatic toxicity

Component	Fish	Crustaceans	Algae
Ethylhexylglycerin	NOEC: 7.2mg/L(Fish)	No information available	No information available

12.2 Persistence and degradability

Component	Persistence (water/soil)	Persistence (air)
Phenoxyethanol	Low	Low
Chlorphenesin	Low	Low
Sodium phosphate tribasic dodecahydrate	High	High

Boron oxide	Low	Low
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12.3 Bioaccumulative potential

Component	Bioaccumulative potential	Comments
Phenoxyethanol	Low	Log Kow=1.2
Chlorphenesin	Low	Log Kow=1.5039
Sodium phosphate tribasic dodecahydrate	Low	Log Kow=-0.7699
Boron oxide	Low	BCF=0

12.4 Mobility in soil

Component	Mobility in soil	Soil Organic Carbon-Water Partitioning Coefficient (Koc)
Phenoxyethanol	Low	12.12
Chlorphenesin	Low	10
Sodium phosphate tribasic dodecahydrate	High	1
Boron oxide	Low	35.04

12.5 Results of PBT and vPvB assessment

Component	Results of PBT and vPvB assessment [according to (EC) No 1907/2006]
Glycerol	Not PBT/vPvB
Expancel	No information available
Guar Gum	No information available
Phenoxyethanol	Not PBT/vPvB
Chlorphenesin	Not PBT/vPvB
Ethylhexylglycerin	Not PBT/vPvB
Monosodium phosphate	No information available
Sodium phosphate tribasic dodecahydrate	No information available
Boron oxide	Not applicable

12.6 Endocrine disrupting properties

Component	Endocrine disrupting properties
Glycerol	No information available
Expancel	No information available
Guar Gum	No information available
Phenoxyethanol	No information available
Chlorphenesin	No information available
Ethylhexylglycerin	No information available
Monosodium phosphate	No information available

Sodium phosphate tribasic dodecahydrate	No information available
Boron oxide	No information available

12.7 Other adverse effects

	No information available
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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.

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

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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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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15 Regulatory information

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

International chemical inventory

Component	EC inventory	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AIICS	ENCS
Glycerol	✓	✓	✓	✓	✓	✓	✓	✓	✓
Expancel	✗	✓	✓	✓	✓	✓	✓	✓	✓
Guar Gum	✗	✓	✓	✓	✓	✓	✓	✓	✗

Phenoxyethanol	✓	✓	✓	✓	✓	✓	✓	✓	✓
Chlorphenesin	✓	✗	✓	✓	✓	✗	✗	✓	✗
Ethylhexylglycerin	✗	✗	✓	✓	✓	✓	✓	✓	✓
Monosodium phosphate	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sodium phosphate tribasic dodecahydrate	✗	✗	✗	✓	✓	✓	✓	✓	✓
Boron oxide	✓	✓	✓	✓	✓	✓	✓	✓	✓

- [EC
inven
tory]
- European Inventory of Existing Commercial Chemical Substances
- [TSC
A]
- United States Toxic Substances Control Act Inventory
- [DSL]
- Canadian Domestic Substances List
- [IECS
C]
- China Inventory of Existing Chemical Substances
- [NZIo
C]
- New Zealand Inventory of Chemicals
- [PIC
CS]
- Philippines Inventory of Chemicals and Chemical Substances
- [KECI
]
- Korea Existing Chemicals Inventory
- [AIIC
S]
- Australian. Inventory of Industrial Chemical (AIICS)
- [ENC
S]
- Japan Inventory of Existing & New Chemical Substances

European chemical inventory

Component	A	B	C	D	E	F	G	H	I
Glycerol	✗	✗	✗	✓	✓	✗	✗	✗	✗
Expancel	✗	✗	✗	✓	✗	✗	✗	✗	✗
Guar Gum	✗	✗	✗	✓	✗	✗	✗	✗	✗
Phenoxyethanol	✗	✗	✗	✓	✓	✗	✗	✗	✗
Chlorphenesin	✗	✗	✗	✓	✓	✗	✗	✗	✗
Ethylhexylglycerin	✗	✗	✗	✓	✓	✗	✗	✗	✗
Monosodium phosphate	✗	✗	✗	✓	✓	✗	✗	✗	✗
Sodium phosphate tribasic dodecahydrate	✗	✗	✗	✓	✗	✗	✗	✗	✗
Boron oxide	✓	✗	✓	✓	✓	✗	✗	✗	✗

- [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.

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

15.2 Chemical safety assessment

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

16 Other information

Information on revision

Creation Date	2025/02/13
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
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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 regulation No. (EC) 1272/2008 & 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.

Dye Powder/Powder Pigment

Version : V2.0.1.1

Report No. : HGBZ2503C351

Creation Date : 2025/03/07

Revision Date : -

***Prepared according to EU regulation No. 2020/878**

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

1.1 Product identifier

Product Name	Dye Powder/Powder Pigment
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

2 Hazards identification

2.1 CLP classification according to Regulation (EC) No. 1272/2008

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

2.2 Label elements

Hazard pictograms	Not applicable
Signal word	Not applicable

Hazard statements

Hazard statements	Not applicable
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Precautionary statements

◆ Prevention

Prevention	Not applicable
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◆ Response

Response	Not applicable
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◆ Storage

Storage	Not applicable
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◆ Disposal

Disposal	Not applicable
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2.3 Other hazards

◆ Results of PBT and vPvB assessment

Component	Results of PBT and vPvB assessment [according to (EC) No 1907/2006]
Quartz(SiO₂)	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]
Quartz(SiO₂)	No information available

◆ Other

	Not applicable.
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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 [CLP]	Specific Conc. Limits, M-factors
Quartz(SiO₂) CAS : 14808-60-7 EC : 238-878-4 Index No. : -	> 85	Not Classified	-
RTS-60 Blue CAS : - EC : - Index No. : -	< 10	No information available	-
RTS-21 Magenta CAS : - EC : -	< 10	No information available	-

Index No. : -			
RTS-45 Violet CAS : - EC : - Index No. : -	< 10	No information available	-
RTS-60 Blue CAS : - EC : - Index No. : -	< 10	No information available	-
RTS-27 Yellow CAS : - EC : - Index No. : -	< 2	No information available	-

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 with plenty of water (remove contact lenses if easily possible).
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	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.

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.

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	Cut off the source of the leak as much as possible.
2	Keep leaks in a ventilated place.
3	Isolation of contaminated areas and restrictions on access.
4	It is recommended that emergency personnel wear dust masks.
5	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	Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

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.

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.

8 Exposure controls/personal protection

8.1 Control parameters

Component	Country/Region	Limit value - Eight hours		Limit value - Short term	
		ppm	mg/m ³	ppm	mg/m ³
Quartz(SiO ₂)	Denmark	-	0.3	-	0.6
	Finland	-	0.05	-	-
	France	-	0.1	-	-
	Germany (AGS)	-	0.05	-	0.4
	Netherlands	-	0.075	-	-
	Norway	-	0.3	-	-

◆ 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 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)
Quartz(SiO ₂)	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)

Predicted No Effect Concentration (PNEC)	No information available
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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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9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Powder
Colour	No information available
Odor	Characteristic
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
Vapor density(Air = 1)	Not applicable
Relative density(Water=1)	No information available
Solubility	No information available
n-octanol/water partition coefficient	No information available
Auto-ignition temperature(°C)	No information available
Decomposition temperature(°C)	No information available
Kinematic viscosity(mm²/s)	Not applicable
Explosive properties	No information available
Oxidizing properties	No information available
Particle characteristics	No information available

9.2 Other information

9.2.1 Information with regard to physical hazard classes

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

Other safety characteristics	No information available
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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	No information available.
10.4 Conditions to avoid	Incompatible materials, heat, flame and spark.
10.5 Incompatible materials	No information available.
10.6 Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 Toxicological information

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

Dye Powder/Powder Pigment	
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

Acute toxicity	No information available
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Carcinogenicity

Component	List of carcinogens by the IARC Monographs	Report on Carcinogens by NTP
Quartz(SiO ₂)	Category 1	Category K
RTS-60 Blue	Not Listed	Not Listed
RTS-21 Magenta	Not Listed	Not Listed
RTS-45 Violet	Not Listed	Not Listed
RTS-60 Blue	Not Listed	Not Listed
RTS-27 Yellow	Not Listed	Not Listed

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Component	Endocrine disrupting properties
Quartz(SiO ₂)	No information available

11.2.2 Other Information

Other Information	See Section 11.1
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12 Ecological information

12.1 Toxicity

Acute aquatic toxicity

Acute aquatic toxicity	No information available
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Chronic aquatic toxicity

Chronic aquatic toxicity	No information available
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12.2 Persistence and degradability

Persistence and degradability	No information available
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12.3 Bioaccumulative potential

Bioaccumulative potential	No information available
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12.4 Mobility in soil

Mobility in soil	No information available
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12.5 Results of PBT and vPvB assessment

Component	Results of PBT and vPvB assessment [according to (EC) No 1907/2006]
Quartz(SiO2)	No information available

12.6 Endocrine disrupting properties

Component	Endocrine disrupting properties
Quartz(SiO2)	No information available

12.7 Other adverse effects

No information available

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.

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

IATA-DGR

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

UN-ADR**UN-ADR**

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

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

15 Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****International chemical inventory**

Component	EC inventory	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AIICS	ENCS
Quartz(SiO ₂)	✓	✓	✓	✓	✓	✓	✓	✓	✓
RTS-60 Blue	×	×	×	×	×	×	×	×	×
RTS-21 Magenta	×	×	×	×	×	×	×	×	×
RTS-45 Violet	×	×	×	×	×	×	×	×	×
RTS-60 Blue	×	×	×	×	×	×	×	×	×
RTS-27 Yellow	×	×	×	×	×	×	×	×	×

[EC inventory] European Inventory of Existing Commercial Chemical Substances

[TSCA] United States Toxic Substances Control Act Inventory

[DSL] Canadian Domestic Substances List

[IECSC] China Inventory of Existing Chemical Substances

[NZIoC] New Zealand Inventory of Chemicals

[PICCS] Philippines Inventory of Chemicals and Chemical Substances

[KECI] Korea Existing Chemicals Inventory

[AIICS] Australian Inventory of Industrial Chemical (AIICS)

[ENCS] Japan Inventory of Existing & New Chemical Substances

European chemical inventory

Component	A	B	C	D	E	F	G	H	I
Quartz(SiO ₂)	×	×	×	✓	✓	×	×	×	×
RTS-60 Blue	×	×	×	×	×	×	×	×	×
RTS-21 Magenta	×	×	×	×	×	×	×	×	×
RTS-45 Violet	×	×	×	×	×	×	×	×	×
RTS-60 Blue	×	×	×	×	×	×	×	×	×
RTS-27 Yellow	×	×	×	×	×	×	×	×	×

[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.
 “x” No data or not included in the regulations.

15.2 Chemical safety assessment

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

16 Other information

Information on revision

Creation Date	2025/03/07
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>.
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