

SAFETY DATA SHEET



Tropical Citrus Foaming Skin Cleanser

Section 1. Identification

GHS product identifier : Tropical Citrus Foaming Skin Cleanser
Product code : 749
Other means of identification : Not available.
Product type : Liquid.

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

Identified uses

Skin Cleanser.

Please read product label prior to use. This product is regulated as a cosmetic product by the Food and Drug Administration (FDA). This Safety Data Sheet contains valuable information critical to the safe handling and proper use of the product in industrial workplace conditions.

Uses advised against

Not applicable.

Supplier's details : Betco Corporation
400 Van Camp Road
Bowling Green, Ohio 43402
www.betco.com
888-462-3826

Emergency telephone number : Chemtrec (800) 424-9300 24 hour

Section 2. Hazards identification

OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture : Not classified.

GHS label elements

Signal word : No signal word.

Hazard statements : No known significant effects or critical hazards.

Precautionary statements

Prevention : Not applicable.

Response : Not applicable.

Storage : Not applicable.

Disposal : Not applicable.

Hazards not otherwise classified : None known.

Hazards identified when used : No known significant effects or critical hazards.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture
Other means of identification : Not available.

Ingredient name	Synonyms	%	Identifiers
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	Sodium C14-16-olefin sulfonate; Sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts; sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts; C14-16-Alkane hydroxy and C14-16-alkene sulfonic acids sodium salts; Sulfonic acids, C-16-16-Alkane, Sodium salts; Sulfonic acids, C14-C16 alkane hydroxy and C14-C16 alkene, sodium salts; SODIUM C14-16 OLEFIN SULFONATE; SODIUM (C14-16) OLEFIN SULFONATE; Sodium alkenesulfonate (limited to those alkene is C14-16 and mixture thereof) and sodium hydroxyalkanesulfonate (limited to those alkane is C14-16 and mixture thereof) and the mixture thereof; Sodium salt of (hydroxyalkane(C14-16)sulfonic acid and alkene(C14-16)sulfonic acid)	≥0.5 - ≤1.5	CAS: 68439-57-6
2-phenoxyethanol	Ethanol, 2-phenoxy-; PHENOXYETHANOL; Phenylglycol ether; ETHYLENE GLYCOL MONOPHENYL ETHER; 1-HYDROXY-2-PHENOXYETHANE; ETHYLENE GLYCOL PHENYL ETHER; (2-HYDROXYETHOXY) BENZENE; 2-Phenoxyethan-1-ol; Phenyl cellosolve; Tri-K Phenoxyethanol; Sepicide LD	≥0.5 - ≤1.5	CAS: 122-99-6

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Section 4. First aid measures

- Ingestion** : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : No specific data.
Inhalation : No specific data.
Skin contact : No specific data.
Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments : No specific treatment.
Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media : None known.

- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Section 6. Accidental release measures

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	None.
2-phenoxyethanol	None.

Biological exposure indices

No exposure indices known.

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Section 8. Exposure controls/personal protection

- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state : Liquid.

Color : Red.

Odor : Tropical citrus

Odor threshold : Not available.

pH : 8.5 to 9.25

Melting point/freezing point : Not available.

Boiling point or initial boiling point and boiling range : Not available.

Flash point :

Ingredient name	Closed cup			Open cup		
	°C	°F	Method	°C	°F	Method
Camphene	29.5	85.1				
pin-2(10)-ene	39	102.2	EU A.9			
D-limonene	51	123.8	EU A.9			
Terpinolene	61	141.8				
isocyclocitral	66	150.8				
2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde	66	150.8				
2-methylundecanal	68.5	155.3				
citronellal	74	165.2				
2,6-dimethyloct-7-en-2-ol	76	168.8	EU A.9			
3,7-dimethyloctan-3-ol	77	170.6	DIN 51758			
Linalool	77.2	171	ISO 2719			
Allyl heptanoate	79	174.2	ISO 2719			
citral	90.85 to 100.85	195.5 to 213.5				

Section 9. Physical and chemical properties

alpha-Terpineol	91	195.8				
3,7-dimethyloctan-1-ol	95	203				
2-methylpentane-2,4-diol				96	204.8	
citric acid	100	212				
1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-2-buten-1-one	>93	>199.4				
4-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde	>93	>199.4				
1-(2,6,6-Trimethylcyclohexa-1,3-dienyl)-2-buten-1-one	>93	>199.4				
caryophyllene	105.5	221.9				
citronellol	107	224.6				
geraniol	108	226.4	EU A.9			
1-methyl-3-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde	114	237.2				
2-phenoxyethanol	126	258.8	EU A.9			
Ethyl methylphenylglycidate	131	267.8				
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone	134	273.2				
methyl 3-oxo-2-pentylcyclopentaneacetate	150	302	ISO 3679-1983			
1,4-dioxacycloheptadecane-5,17-dione	161	321.8				

Evaporation rate : Not available.

Flammability : Not available.

Lower and upper explosion limit/flammability limit : Not available.

Vapor pressure :

Ingredient name	Vapor Pressure at 20°C			Vapor pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
water	17.5	2.3				
pin-2(10)-ene	2.05	0.27	OECD 104			
D-limonene	1.5	0.2				
Terpinolene	0.76	0.1				
Allyl heptanoate	0.23	0.031				
Linalool	0.2	0.027	OECD 104			
2,6-dimethyloct-7-en-2-ol	0.15	0.02	EU A.4			
citronellal	0.12001	0.016	EU A.4			
3,7-dimethyloctan-3-ol	0.08326	0.011				
citronellol	<0.07501	<0.01				
2-methylpentane-2,4-diol	0.05	0.0067				
alpha-Terpineol	0.049	0.0065				
citral	0.0345	0.0046				
3,7-dimethyloctan-1-ol	0.0108	0.0014				
2-phenoxyethanol	0.0075	0.001	EU A.4	0.13501	0.018	EU A.4
2-methylundecanal	0.0064	0.00085				

Section 9. Physical and chemical properties

Ethyl methylphenylglycidate	0.0017	0.00023	OECD 104			
methyl 3-oxo-2-pentylcyclopentaneacetate	0.00158	0.00021				
geraniol	0.00006	0.000008				
citric acid	0.000000017	0.0000000023				
tetrasodium ethylene diamine tetraacetate	0	0				

Relative vapor density : Not available.

Relative density : Not available.

Solubility in water : Not available.

Partition coefficient: n-octanol/water : Not applicable.

Auto-ignition temperature :

Ingredient name	°C	°F	Method
2-methylundecanal	195 to 215	383 to 419	DIN 51794
citronellal	202	395.6	
tetrasodium ethylene diamine tetraacetate	>200	>392	
trisodium nitrilotriacetate	>200	>392	
citral	225	437	DIN 51794
Linalool	235	455	
D-limonene	237	458.6	
citronellol	240	464	
2-methylpentane-2,4-diol	305.85	582.5	DIN 51794
Ethyl methylphenylglycidate	350 to 360	662 to 680	
3,7-dimethyloctan-3-ol	360	680	
1,4-dioxacycloheptadecane-5,17-dione	376	708.8	
2-phenoxyethanol	500	932	
citric acid	1010	1850	

Decomposition temperature : Not available.

Viscosity : Dynamic (room temperature): Not available.
Kinematic (room temperature): Not available.
Kinematic (40°C (104°F)): Not available.

Particle characteristics

Median particle size : Not applicable.

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Incompatible materials : No specific data.

Section 10. Stability and reactivity

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name

2-phenoxyethanol

Result**Rat - Oral - LD50**

1260 mg/kg

Toxic effects: Behavioral - General anesthetic Gastrointestinal - Other changes Kidney, Ureter, and Bladder - Other changes**Rat - Dermal - LD50**

14422 mg/kg

Toxic effects: Lung, Thorax, or Respiration - Acute pulmonary edema

Conclusion/Summary [Product] : Not available.

Skin corrosion/irritation

Product/ingredient name

2-phenoxyethanol

Result**Rabbit - Skin - Mild irritant**Duration of treatment/exposure: 24 hoursAmount/concentration applied: 500 mg

Conclusion/Summary [Product] : Not available.

Serious eye damage/eye irritation

Product/ingredient name

2-phenoxyethanol

Result**Rabbit - Eyes - Moderate irritant**Amount/concentration applied: 6 mg**Rabbit - Eyes - Severe irritant**Duration of treatment/exposure: 24 hoursAmount/concentration applied: 250 ug

Conclusion/Summary [Product] : Not available.

Respiratory corrosion/irritation

Not available.

Conclusion/Summary [Product] : Not available.

Respiratory or skin sensitization

Not available.

Skin

Conclusion/Summary [Product] : Not available.

Respiratory

Conclusion/Summary [Product] : Not available.

Germ cell mutagenicity

Section 11. Toxicological information

Not available.

Conclusion/Summary [Product] : Not available.

Carcinogenicity

Not available.

Conclusion/Summary [Product] : Not available.

Reproductive toxicity

Not available.

Conclusion/Summary [Product] : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure

Not available.

Potential acute health effects

Eye contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Section 11. Toxicological information

Potential chronic health effects

Not available.

Conclusion/Summary [Product] : Not available.

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
Tropical Citrus Foaming Skin Cleanser	31390.4	N/A	N/A	N/A	N/A
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	500	N/A	N/A	N/A	N/A
2-phenoxyethanol	1260	14422	N/A	N/A	N/A

Section 12. Ecological information

Toxicity

Product/ingredient name

Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts

2-phenoxyethanol

Result

Acute - EC50 - Fresh water

Crustaceans - Water flea - *Ceriodaphnia dubia* - Neonate

Age: <24 hours

4.53 mg/l [48 hours]

Effect: Intoxication

Acute - LC50 - Fresh water

Fish - Fathead minnow - *Pimephales promelas*

Age: 32 days; Size: 18.3 mm; Weight: 0.107 g

344 mg/l [96 hours]

Effect: Mortality

Conclusion/Summary [Product] : Not available.

Persistence and degradability

Not available.

Conclusion/Summary [Product] : Not available.

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	-1.3	-	Low
2-phenoxyethanol	1.107	0.3493	Low

Mobility in soil

Section 12. Ecological information

Soil/Water partition coefficient : Not available.

Other adverse effects

No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to IMO instruments : Not available.

Section 15. Regulatory information

U.S. Federal regulations

TSCA 8(a) PAIR: 2-methylundecanal; citronellal; 4-(4-methyl-3-pentenyl)cyclohex-3-ene-1-carbaldehyde

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

TSCA 12(b) - Chemical export notification

Not applicable.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Listed

Clean Air Act Section 602 Class I Substances : Not listed

Section 15. Regulatory information

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Not applicable.

Composition/information on ingredients

Name	%	Classification
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	≥0.5 - ≤1.5	ACUTE TOXICITY (oral) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A
2-phenoxyethanol	≥0.5 - ≤1.5	ACUTE TOXICITY (oral) - Category 4 EYE IRRITATION - Category 2A

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	2-phenoxyethanol trisodium nitrilotriacetate	122-99-6 5064-31-3	≥0.5 - ≤1.5 ≤0.1
Supplier notification	2-phenoxyethanol trisodium nitrilotriacetate	122-99-6 5064-31-3	≥0.5 - ≤1.5 ≤0.1

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts : None of the components are listed.

New York : None of the components are listed.

New Jersey : The following components are listed: Sodium (C14-16) olefin sulfonate; GLYCOL ETHERS

Pennsylvania : The following components are listed: Sodium (C14-16) olefin sulfonate

California Prop. 65

This product does not require a Safe Harbor warning under California Prop. 65.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Section 15. Regulatory information

Australia	: At least one component is not listed.
Canada	: All components are listed or exempted.
Chile	: Not determined.
China	: At least one component is not listed.
Colombia	: Not determined.
Eurasian Economic Union	: Russian Federation inventory : All components are listed or exempted.
Japan	: Japan inventory (CSCL) : At least one component is not listed. Japan inventory (ISHL) : Not determined.
New Zealand	: All components are listed or exempted.
Philippines	: At least one component is not listed.
Republic of Korea	: At least one component is not listed.
Taiwan	: All components are listed or exempted.
Thailand	: Not determined.
Turkey	: Not determined.
United States	: Not determined.
Viet Nam	: All components are listed or exempted.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health	/	0
Flammability		0
Physical hazards		0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

National Fire Protection Association (U.S.A.)



Procedure used to derive the classification

Not classified.

History

Date of printing	: 8/10/2026
Date of issue/Date of revision	: 8/10/2026
Date of previous issue	: 6/9/2026
Version	: 2

Section 16. Other information

Key to abbreviations

: ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
SGG = Segregation Group
UN = United Nations

References

: Not available.

Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.