SAFETY DATA SHEET



1/12

Metalosate® Zinc

	ication
GHS product identifier	: Metalosate® Zinc
Product code	: 07311; 07330
Other means of identification	: Metalosate Zinc (07311); Chelated Zinc as Zinc-Glycine (Liquid) (07330)
Product type	: Liquid.
Relevant identified uses of	the substance or mixture and uses advised against
Identified uses	
Fertilizer.	
Uses advised against Not applicable.	
Supplier's details	: Balchem Corporation 5 Paragon Drive Suite 201 Montvale, NJ 07645 United States 1.845.326.5600
e-mail address of person responsible for this SDS	: sds@balchem.com
Emergency telephone number (with hours of operation)	: Chemtrec CCN#2275 1.800.424.9300 (USA) +1.703.527.3887 (International)
Section 2. Hazard	identification
OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the	: SERIOUS EYE DAMAGE - Category 1
substance or mixture	AQUATIC HAZARD (LONG-TERM) - Category 2
	0,
	AQUATIC HAZARD (LONG-TERM) - Category 2 Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic
substance or mixture	AQUATIC HAZARD (LONG-TERM) - Category 2 Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic
substance or mixture <u>GHS label elements</u>	AQUATIC HAZARD (LONG-TERM) - Category 2 Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic
substance or mixture <u>GHS label elements</u> Hazard pictograms	AQUATIC HAZARD (LONG-TERM) - Category 2 Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 11%
substance or mixture GHS label elements Hazard pictograms Signal word	 AQUATIC HAZARD (LONG-TERM) - Category 2 Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 11% Constant of the environment of
substance or mixture GHS label elements Hazard pictograms Signal word Hazard statements	 AQUATIC HAZARD (LONG-TERM) - Category 2 Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 11% Constant of the environment of
substance or mixture <u>GHS label elements</u> Hazard pictograms Signal word Hazard statements <u>Precautionary statements</u>	 AQUATIC HAZARD (LONG-TERM) - Category 2 Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 11% i i i i i i i i i i i i i i i i i i i

Section 2. Hazards identification

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Disposal
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: P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified

Section 3. Composition/information on ingredients

: None known.

: Mixture

Ingredient name	%	CAS number
Sulfuric acid, zinc salt (1:1), monohydrate	≥10 - <25	7446-19-7

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 necessar	<u>y first aid measures</u>
Eye contact	: Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
Inhalation	: Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	: Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed			
Potential acute heal	th effects		
Eye contact	: Causes serious eye damage.		
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.		
<u>Over-exposure signs/symptoms</u>			

Section 4. First aid measures

 Adverse symptoms may include the following: pain watering redness No specific data. Adverse symptoms may include the following:
watering redness : No specific data.
redness : No specific data.
: No specific data.
: Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur
: Adverse symptoms may include the following:
stomach pains
ical attention and special treatment needed, if necessary
: In case of inhalation of decomposition products in a fire, symptoms may be delayed.
The exposed person may need to be kept under medical surveillance for 48 hours.
: No specific treatment.
: No action shall be taken involving any personal risk or without suitable training. If it is
suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides metal oxide/oxides
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. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.	

Section 6. Accidental release measures

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".
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). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
Methods and materials for co	nta	ainment and cleaning up
Small spill	:	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry 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. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. 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 (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
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. Store locked up. 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

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Occupational exposure limits

Ingredient name	Exposure limits	
Sulfuric acid, zinc salt (1:1), monohydrate	None.	

Biological exposure indices

No exposure indices known.

Section 8. Exposure controls/personal protection

Appropriate engineering controls	: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
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 meas	<u>ures</u>
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.
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: chemical splash goggles and/ or face shield. If inhalation hazards exist, a full-face respirator may be required instead.
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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
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 and safety characteristics

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

<u>Appearance</u>		
Physical state	:	Liquid.
Color	:	Not available.
Odor	:	Not available.
Odor threshold	1	Not available.
рН	1	4.5 [Conc. (% w/w): 1%]
Melting point/freezing point	1	Not available.
Boiling point, initial boiling point, and boiling range	:	Not available.
Flash point	÷	Not available.
Flammability	1	Not available.
Lower and upper explosion limit/flammability limit	:	Not available.

Section 9. Physical and chemical properties and safety characteristics

Vapor pressure

	Vapor Pressure at 20°C			Vapor pressure at 50°C		
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
water	17.5	2.3				
Lelative vapor density	: Not av	ailable.	Į			
Relative density	: Not av	ailable.				
Solubility in water	: Not av	ailable.				
Partition coefficient: n-	: Not ap	plicable.				
Auto-ignition temperature	: Not av	ailable.				
Decomposition temperature	: Not av	ailable.				
/iscosity	: Not av	ailable.				
laximum rate of pressure ise	: Not av	ailable.				
Particle characteristics						
Median particle size	: Not ap	plicable.				

Section 10. Stability and reactivity

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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.
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

Not available.

Irritation/Corrosion

Not available.

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Section 11. Toxicological information

Section 11. Toxico	nogical information
Teratogenicity	
Not available.	
Specific target organ toxici Not available.	<u>y (single exposure)</u>
<u>Specific target organ toxici</u> Not available.	y (repeated exposure)
Aspiration hazard Not available.	
Information on the likely routes of exposure	: Not available.
Potential acute health effects	
Eye contact	: Causes serious eye damage.
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 phy	sical, chemical and toxicological characteristics
Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur
Ingestion	: Adverse symptoms may include the following: stomach pains
Delayed and immediate effect	ts and also chronic effects from short and long term exposure
Short term exposure	
Potential immediate effects	: Not available.
Detended delevered offerste	 N1+4 second to 11+

Potential delayed effects	: Not available.
<u>Long term exposure</u>	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health effe	ects
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

Section 11. Toxicological information

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/ I)
Metalosate® Zinc	2500	N/A	N/A	N/A	N/A
Sulfuric acid, zinc salt (1:1), monohydrate	500	N/A	N/A	N/A	N/A

Section 12. Ecological information

Toxicity							
Product/ingredient name	Result	Species	Exposure				
Metalosate® Zinc	EC50 7.7 mg/l Marine water	Crustaceans - Americamysis bahia	48 hours				
	LC50 >20 mg/l Marine water	Fish - Cyprinodon variegatus	96 hours				

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition	: Not available.
coefficient (Koc)	

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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues
	cleaned or rinsed out. 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	ΙΑΤΑ	
UN number	UN3082	UN3082	UN3082	UN3082	UN3082	
Date of issue/Date	of revision : 22 April	2024 Date of previo	us issue : 5 Jun	- 0000	Version : 1.01	8/1

Section 14.	Transport in	nformation			
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (zinc chelate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc chelate)	SUBSTANCIA LIQUIDA POTENCIALMENTE PELIGROSA PARA EL MEDIO AMBIENTE, N.E. P. (zinc chelate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc chelate)	Environmentally hazardous substance, liquid, n.o.s. (zinc chelate)
Transport hazard class(es)	9	9	9	9	9
Packing group	Ш	Ш	Ш	Ш	III
Environmental hazards	Yes.	Yes.	Yes.	Yes.	Yes.
TDG Classificati	ion : Prod Gooc Non- trans	a of ≤5 L or ≤5 kg. ortable quantity 5000 portation requirement ted quantity Yes. (aging instruction Ex- cial provisions 8, 146 uct classified as per the ds Regulations: 2.43-2 bulk packages of this ported by road or rail. osive Limit and Lim	antity are not subject ts. xceptions: 155. Non- 6, 173, 335, 441, IB3 he following sections 2.45 (Class 9), 2.7 (N product are not regu	to the RQ (reportable -bulk: 203. Bulk: 241 , T4, TP1, TP29 of the Transportation farine pollutant mark llated as dangerous g	, quantity) n of Dangerous).
Mexico Classific	cation : The sizes	cial provisions 16, 99 environmentally hazar e of ≤5 L or ≤5 kg. cial provisions 274 ∶	rdous substance mai	k is not required whe	n transported in
Special provisions 274, 331, 335 IMDG : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. Emergency schedules F-A, S-F Special provisions 274, 335, 969					
ΙΑΤΑ	: This ≤5 kg 5.0.2 Qua Carg Aircra	product is not regulat g, provided the packa	ed as a dangerous g gings meet the gene enger and Cargo Airo . Packaging instructions: Y964.	ral provisions of 5.0.2 craft: 450 L. Packagin	2.4.1, 5.0.2.6.1.1 and g instructions: 964.

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 : Not available. to IMO instruments

Section 15. Regulatory information

j		,			
U.S. Federal regulations	: TSCA 4(a) proposed test rules: glycine				
	т	SCA 8(a) CDR Exer	npt/Partial exemption: Not	determined	
	CI	ean Water Act (CV	/A) 307 : Sulfuric acid, zinc s	alt (1:1), monohyd	rate
	CI	ean Water Act (CV	/A) 311: Sulfuric acid, zinc s	alt (1:1), monohyd	rate
Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)	: No	ot listed			
Clean Air Act Section 602 Class I Substances	: No	ot listed			
Clean Air Act Section 602 Class II Substances	: No	ot listed			
DEA List I Chemicals (Precursor Chemicals)	: No	ot listed			
DEA List II Chemicals (Essential Chemicals)	: No	ot listed			
<u>SARA 302/304</u>					
Composition/information or	<u>n ing</u>	<u>redients</u>			
No products were found.					
SARA 304 RQ	: No	ot applicable.			
SARA 311/312					
Classification :	SE	RIOUS EYE DAMA	GE - Category 1		
Composition/information of	<u>n ing</u>	redients			
Name		%	Classification		
Sulfuric acid, zinc salt (1:1), monohydrate		≥10 - <25	ACUTE TOXICITY (oral) - (SERIOUS EYE DAMAGE -		
SARA 313					
	Pro	duct name		CAS number	%
Form R - Reporting	Sulf	uric acid, zinc salt (1:1), monohydrate	7446-19-7	≥10 - <25

Form R - Reporting requirements	Sulfuric acid, zinc salt (1:1), monohydrate	7446-19-7	≥10 - <25
Supplier notification	Sulfuric acid, zinc salt (1:1), monohydrate	7446-19-7	≥10 - <25

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: ZINC compounds

 Pennsylvania
 : The following components are listed: ZINC COMPOUNDS

 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.

Section 15. Regulatory information

UNECE Aarhus Protocol on POPs and Heavy Metals Not listed.

Inventory list		
Australia	All components are listed or exempted.	
Canada	All components are listed or exempted.	
China	All components are listed or exempted.	
Eurasian Economic Union	Russian Federation inventory: All components are listed or exempted.	
Japan	Japan inventory (CSCL): All components are listed or exempted. Japan inventory (ISHL): Not determined.	
New Zealand	All components are listed or exempted.	
Philippines	All components are listed or exempted.	
Republic of Korea	All components are listed or exempted.	
Taiwan	All components are listed or exempted.	
Thailand	All components are listed or exempted.	
Turkey	Not determined.	
United States	All components are active or exempted.	
Viet Nam	All components are listed or exempted.	

Section 16. Other information

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



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

Classification	Justification
	Calculation method Calculation method

: 22 April 2024
: 22 April 2024
: 5 June 2023
: 1.01

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.