

Version Number 1.1 Revision Date 07/01/2025 Page 1 of 16 Print Date 07/02/2025

SAFETY DATA SHEET

SILCOGUM WHITE 75000

Section 1. Identification	n	
GHS product identifier Chemical name CAS number Other means of identification Product type		SILCOGUM WHITE 75000 Mixture Mixture FO20042756 liquid
	ance	or mixture and uses advised against
Product use	:	Industrial applications. Plastics.
Supplier's details	:	GSDI Specialty Dispersions, Inc. 1675 Navarre Road SW, Massillon, Ohio USA 44646
		1 (440) 930-1000 or 1 (844) 4AVIENT
Emergency telephone number (with hours of operation)	:	CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).

Section 2. Hazards identification

This mixture has not been evaluated as a whole for health effects. Information provided on health effects of this product is based on the individual components. However, some vapors or contaminants may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. See sections 8 and 11 for special precautions. After handling, always wash hands thoroughly with soap and water.

OSHA/HCS status	:	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	:	TOXIC TO REPRODUCTION - Category 2
GHS label elements		



Version Number	er 1.1
Revision Date	07/01/2025

Page 2 of 16 Print Date 07/02/2025

Hazard pictograms	:	
Signal word	:	Warning
Hazard statements	:	Suspected of damaging fertility or the unborn child.
Precautionary statements		
Prevention	:	Not applicable. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection.
Response	:	IF exposed or concerned: Get medical advice or attention.
Storage	:	Store locked up.
Disposal	:	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	:	None known.
Hazards not otherwise classified	:	None known.
		Not available.

Section 3. Composition/information on ingredients

Substance/mixture	:	Mixture
Chemical name	:	Mixture
Other means of identification	:	FO20042756

CAS number/other identifiers

Ingredient name	%	CAS number
Titanium dioxide	>= 50 - <= 75	13463-67-7
Octamethylcyclotetrasiloxane	> 0 - <= 0.3	556-67-2

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 as hazardous to health or the environment and hence require reporting in this section.

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



Version Number 1.1 Revision Date 07/01/2025

Page 3 of 16 Print Date 07/02/2025

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. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
Inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. Get medical attention. 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.
Skin contact	:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	:	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. Get medical attention. 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 health effects		
Eye contact Inhalation Skin contact Ingestion	:	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Over-exposure signs/symptoms		
Eye contact Inhalation	:	No specific data. Adverse symptoms may include the following: reduced fetal weight



Version Number 1.1	Page 4 of 16
Revision Date 07/01/2025	Print Date 07/02/2025

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give mouth-to-mouth resuscitation.

	increase in fetal deaths skeletal malformations
Skin contact	: Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths
Ingestion	 skeletal malformations Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
Indication of immediate medica	l 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. It may be dangerous to the person providing aid to

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media Unsuitable extinguishing media	:	In case of fire, use water spray (fog), foam, dry chemical or CO ₂ . None known.
Specific hazards arising from the chemical Hazardous thermal decomposition products	:	In a fire or if heated, a pressure increase will occur and the container may burst. Decomposition products may include the following materials: carbon dioxide carbon monoxide 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



Version Number 1.1 Revision Date 07/01/2025

Page 5 of 16 Print Date 07/02/2025

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel For emergency responders	:	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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. 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).
Methods and materials for containment	nt ai	nd 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

Section 7. Handling and storage

Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precaution have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during	ons
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contact information and Section 13 for waste disposal.



Version Number 1.1	Page 6 of 16
Revision Date 07/01/2025	Print Date 07/02/2025

Advice on general occupational hygiene	:	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. 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 in a well-ventilated place. 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.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Titanium dioxide	OSHA PEL 1989 (1989-03-01) TWA 10 mg/m3 Form: Total dust OSHA PEL (1993-06-30) TWA 15 mg/m3 Form: Total dust ACGIH TLV (2022-01-06) TWA 0.2 mg/m3 Form: respirable fraction, nanoscale particles TWA 2.5 mg/m3 Form: respirable fraction, finescale particles
Octamethylcyclotetrasiloxane	OARS WEEL (2018-05-07) TWA 10 ppm

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



Version Number 1.1	Page 7 of 16
Revision Date 07/01/2025	Print Date 07/02/2025

Environmental exposure controls	:	recommended or statutory limits. 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.
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. 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

Version Number 1.1 Revision Date 07/01/2025 Page 8 of 16 Print Date 07/02/2025

Appearance

Physical state	:	liquid [Viscous liquid.]
Color	:	WHITE
Odor	:	Not available.
Odor threshold	:	Not available.
рН	:	Not available.
Melting point	:	Not available.
Boiling point	:	Not available.
Flash point	:	Not available.
Burning time	:	Not available.
Burning rate	:	Not available.
Evaporation rate	:	Not available.
Flammability (solid, gas)	:	Not available.
Lower and upper explosive	:	Lower: Not available.
(flammable) limits		Upper: Not available.
Vapor pressure	:	Not available.
Vapor density	:	Not available.
Relative density	:	Not available.
Solubility	:	Not available.
Solubility in water	:	Not available.
Partition coefficient: n-	:	Not applicable.
octanol/water		
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
SADT	:	Not available.
Viscosity	:	Dynamic: Not available.
		Kinematic: Not available.

Section 10. Stability and reactivity

Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	Stable under recommended storage and handling conditions (see Section 7).
Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	:	Keep away from extreme heat and oxidizing agents.
Incompatible materials	:	Keep away from strong acids. Oxidizer.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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Version Number 1.1 Revision Date 07/01/2025 Page 9 of 16 Print Date 07/02/2025

Section 11. Toxicological information

Information on toxicological effects

<u>Acute toxicity</u>				
Product/ingredient name	Result	Species	Dose	Exposure
Titanium oxide (TiO2)				
	LC50 Inhalation	Rat - Male	6.82 Mg/l	4 h
	Dusts and mists		-	
	LD50 Dermal	Rabbit	> 5,000 mg/kg	-
Cyclotetrasiloxane, 2,2,4,4,6,6	5,8,8-octamethyl-			
	LD50 Oral	Rat	1,540 mg/kg	-
	LC50 Inhalation	Rat	36 Mg/l	4 h
	Vapor		-	
	LD50 Dermal	Rat	1,770 mg/kg	-

Conclusion/Summary

: Mixture.Not fully tested.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Cyclotetrasiloxane, 2,2,4,4,6,6,8,8-octamethyl-	Eyes - Mild irritant	Rabbit	-	24 hrs	-
	Skin - Mild irritant	Rabbit	-	24 hrs	-

Conclusion/Summary Skin Eyes Respiratory <u>Sensitization</u>	Mixture.Not fully tested.Mixture.Not fully tested.Mixture.Not fully tested.
Conclusion/Summary Skin Respiratory	Mixture.Not fully tested.Mixture.Not fully tested.
<u>Mutagenicity</u> Conclusion/Summary	: Mixture.Not fully tested.
<u>Carcinogenicity</u> Conclusion/Summary	: Mixture.Not fully tested.



Version Number 1.1 Revision Date 07/01/2025 Page 10 of 16 Print Date 07/02/2025

Classification

Product/ingredient name	OSHA	IARC	NTP	
Titanium oxide (TiO2)	-	2B	-	
<u>Reproductive toxicity</u>	,	Contract New College		
Conclusion/Summary	: N	/lixture.Not fully t	ested.	
<u>Teratogenicity</u>				
Conclusion/Summary	: N	/lixture.Not fully t	ested.	
Specific target organ toxicity (Not available.	single exposu	<u>re)</u>		
Specific target organ toxicity (Not available.	repeated exp	<u>osure)</u>		
Aspiration hazard Not available.				
Information on the likely route exposure	es of : N	lot available.		
Potential acute health effects				
Eye contact	: N	Jo known significa	nt effects or critical hazards.	
Inhalation			int effects or critical hazards.	
Skin contact	: N	lo known significa	int effects or critical hazards.	
Ingestion	: N	lo known significa	int effects or critical hazards.	
Symptoms related to the physical, chemical and toxicological characteristics				
Eye contact	: N	lo specific data.		
Inhalation	: A	dverse symptoms	may include the following: reduced fetal weight, ths, skeletal malformations	
Skin contact	: A	dverse symptoms	may include the following: reduced fetal weight, ths, skeletal malformations	
Ingestion	: A	dverse symptoms	may include the following: reduced fetal weight, tths, skeletal malformations	
Deleved and immediate offects	and also ahr	onia offacts from	short and long term exposure	

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

Short term exposure



Version Number 1.1 Revision Date 07/01/2025 Page 11 of 16 Print Date 07/02/2025

Potential immediate effects Potential delayed effects	Not available.Not available.
Long term exposure	
Potential immediate effects Potential delayed effects	Not available.Not available.
Potential chronic health effects	
Conclusion/Summary	: Mixture.Not fully tested.
General Carcinogenicity Mutagenicity Teratogenicity Developmental effects Fertility effects	 No known significant effects or critical hazards.
<u>Numerical measures of toxicity</u> <u>Acute toxicity estimates</u> N/A	
Other information	: This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

Section 12. Ecological information

Toxicity

Result	Species	Exposure
Acute LC50 > 1,000 Mg/l Marine water	Fish - Fundulus heteroclitus	96 h
Acute LC50 3 Mg/l Fresh water	Crustaceans - Ceriodaphnia dubia	48 h
Acute LC50 6.5 Mg/l Fresh water	Daphnia - Daphnia pulex	48 h
	Acute LC50 > 1,000 Mg/l Marine water Acute LC50 3 Mg/l Fresh water Acute LC50 6.5 Mg/l Fresh	Acute LC50 > 1,000 Mg/l Fish - Fundulus heteroclitus Marine water Crustaceans - Ceriodaphnia Acute LC50 3 Mg/l Fresh water Crustaceans - Ceriodaphnia Acute LC50 6.5 Mg/l Fresh Daphnia - Daphnia pulex



Version Number 1.1 Revision Date 07/01/2025 Page 12 of 16 Print Date 07/02/2025

Acute LC50 0.204 - 3.483 Mg/l	Fish - Leuciscus idus ssp.	96 h
Fresh water	melanotus	
Chronic NOEC 0.0000044 mg/l	Fish - Oncorhynchus mykiss	93 d
Fresh water		
Chronic NOEC 0.0079 Mg/l	Daphnia - Daphnia magna	21 d
Fresh water		

Conclusion/Summary

: Not available.

Persistence and degradability

Conclusion/Summary

Not available.

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Cyclotetrasiloxane, 2,2,4,4,6,6,8,8-	6.488	13,400.00	high
octamethyl-			

Mobility in soil

Soil/water partition coefficient (KOC)	:	Not available.
Other adverse effects	:	No known significant effects or critical

:

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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains

hazards.

12/16



Version Number 1.1 Revision Date 07/01/2025 Page 13 of 16 Print Date 07/02/2025

and sewers.

United States - RCRA Acute hazardous waste "P" List: Not listed

United States - RCRA Toxic hazardous waste "U" List: Not listed

Section 14. Transport information

U.S.DOT 49CFR Ground/Air/Water	:	Not regulated for transportation.
ΙΑΤΑ	:	Consult mode specific transport rules
IMDG	:	Consult mode specific transport rules

Section 15. Regulatory information

United States - TSCA 4(a) - ITC Priority list: Not liste	
United States - TSCA 4(a) - Proposed test rules: Not I	
United States - TSCA 4(f) - Priority risk review: Not 1	
United States - TSCA 5(a)2 - Final significant new use listed	rules: Not
United States - TSCA 5(a)2 - Proposed significant new Not listed	vuse rules:
United States - TSCA 5(e) - Substances consent order:	
United States - TSCA 6 - Final risk management: Not	
United States - TSCA 6 - Proposed risk management: United States - TSCA 8(a) - Chemical risk rules: Not 1	
United States - TSCA 8(a) - Chemical Fisk Fues: Not I United States - TSCA 8(a) - Dioxin/Furane precusor:	
United States - TSCA 8(a) - Chemical Data Reporting	
determined	
United States - TSCA 8(a) - Preliminary assessment re	eport
(PAIR): Listed Decamethylcyclopentasiloxane	
Dodecamethylcyclohexasiloxane	
Octamethylcyclotetrasiloxane	
United States - TSCA 8(c) - Significant adverse reaction Not listed	on (SAR):
United States - TSCA 8(d) - Health and safety studies:	Not listed
United States - EPA Clean water act (CWA) section 3	
pollutants: Not listed	



Version Number 1.1	Page 14 of 16
Revision Date 07/01/2025	Print Date 07/02/2025

United States - EPA Clean water act (CWA) section 311 -Hazardous substances: Not listed United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable substances: Not listed United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Toxic substances: Not listed United States - Department of commerce - Precursor chemical: Not listed

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)	:	Not listed
Clean Air Act Section 602 Class I	:	Not listed
Substances Clean Air Act Section 602 Class II	:	Not listed
Substances DEA List I Chemicals (Precursor Chemicals)	:	Not listed
DEA List II Chemicals (Essential Chemicals)	:	Not listed

US. EPA CERCLA Hazardous Substances (40 CFR 302)

:

not applicable

SARA 311/312

Classification

TOXIC TO REPRODUCTION - Category 2

Composition/information on ingredients

Name	%	Classification
Titanium oxide (TiO2)	>= 50 - <= 75	CARCINOGENICITY - Category 2
Cyclotetrasiloxane, 2,2,4,4,6,6,8,8-octamethyl-	> 0 - <= 0.3	FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY - oral - Category 4 ACUTE TOXICITY - dermal - Category 4 EYE IRRITATION - Category 2B TOXIC TO REPRODUCTION - Category 2

Not applicable.

<u>State regulations</u> Massachusetts	:	The following components are listed:
		14/16



Version Number 1.1 Revision Date 07/01/2025 Page 15 of 16 Print Date 07/02/2025

		Titanium dioxide
New York	:	None of the components are listed.
New Jersey	:	The following components are listed: Titanium dioxide
Pennsylvania	:	The following components are listed: Titanium dioxide

Aluminum hydroxide

California Prop. 65

WARNING: This product can expose you to Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Ingredient name	No significant risk level	Maximum acceptable dosage level
Titanium dioxide	-	-

United States inventory (TSCA 8b)	:	All components are active or exempted.
Canada inventory	:	All components are listed or exempted.
<u>International regulations</u> <u>Inventory list</u>		
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: Not determined.
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	:	Not determined.

Section 16. Other information

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

Health

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15/16



Version Number 1.1 Revision Date 07/01/2025 Page 16 of 16 Print Date 07/02/2025

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. History

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Date of printing	:	07/02/2025
Date of issue/Date of revision	:	07/01/2025
Date of previous issue	:	03/09/2018
Version	:	1.1
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)
		UN = United Nations
References	:	Not available.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed 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. Particularly this information may not be valid for such material used in conjunction with any other materials or in any process, unless specified in the text.