Version Number 1.5 Revision Date 08/20/2024



Page 1 of 16 Print Date 11/26/2024

SAFETY DATA SHEET

GEON WX46400 NATURAL 0000 XND

Section 1. Identification		
GHS product identifier Chemical name CAS number	::	GEON WX46400 NATURAL 0000 XND Mixture Mixture
Other means of identification Product type	:	VC10012604 solid
	ance	e or mixture and uses advised against Industrial applications. Plastics.
Supplier's details	:	GEON Performance Solutions LLC 25777 Detroit Road Suite 202, Westlake, Ohio 44145
Emergency telephone number (with hours of operation)	:	1-800-GET-GEON or 1-800-438-4366 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. Information provided on the health effects of this product is based on individual components. All ingredients are bound and potential for hazardous exposure as shipped is minimal. However, some vapors 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. After handling, always wash hands thoroughly with soap and water.

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 Hazard statements	:	No signal word. No known significant effects or critical hazards.

Version Number 1.5 Revision Date 08/20/2024 Page 2 of 16 Print Date 11/26/2024

GEON

Performance Solutions

Precautionary statements

	:	Not applicable.
Prevention	:	Not applicable.
Response	:	Not applicable.
Storage	:	Not applicable.
Disposal	:	Not applicable.
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	:	VC10012604

CAS number/other identifiers

Ingredient name	%	CAS number
Antimony trioxide	>= 1 - <= 3	1309-64-4
Diundecyl phthalate	>= 1 - <= 3	3648-20-2

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.

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.

Version Number 1.5

SAFETY DATA SHEET GEON WX46400 NATURAL 0000 XND



Page 3 of 16

Revision Date 08/20/2024	Print Date 11/26/2024
Ingestion :	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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, acut	e 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 atten	tion and special treatment needed, if necessary
Notes to physician	Treat symptomatically. Contact poison treatment specialist

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 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	:	No specific fire or explosion hazard.
Hazardous thermal	:	May emit Hydrogen Chloride (HCl).
decomposition products		Decomposition products may include the following materials:
		carbon dioxide
		3/16



Version Number 1.5	Page 4 of 16
Revision Date 08/20/2024	Print Date 11/26/2024

		carbon monoxide halogenated compounds 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 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. 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 containme	ent a	nd cleaning up
Small spill	:	Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
Large spill	:	Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

:

Precautions for safe handling

Put on appropriate personal protective equipment (see Section 8).



Version Number 1.5	Page 5 of 16
Revision Date 08/20/2024	Print Date 11/26/2024

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.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Antimony trioxide	NIOSH REL (1994-06-01) TWA 0.5 mg/m3 OSHA PEL 1989 (1989-03-01) TWA 0.5 mg/m3 (as antimony) OSHA PEL (1993-06-30) TWA 0.5 mg/m3 (as antimony) ACGIH TLV (2021-01-07) TWA 0.02 mg/m3 Form: Inhalable fraction
Diundecyl phthalate	None.

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



Version Number 1.5	Page 6 of 16
Revision Date 08/20/2024	Print Date 11/26/2024

Hygiene measures	products, before ea of the working per remove potentially clothing before reu	rms and face thoroughly after handling chemical ating, smoking and using the lavatory and at the end iod. Appropriate techniques should be used to contaminated clothing. Wash contaminated using. Ensure that eyewash stations and safety to the workstation location.
Eye/face protection	: Safety eyewear co when a risk assess liquid splashes, mi following protection	mplying with an approved standard should be used ment indicates this is necessary to avoid exposure to sts, gases or dusts. If contact is possible, the on should be worn, unless the assessment indicates a rotection: safety glasses with side-shields.
Skin protection		
Hand protection	standard should be	, impervious gloves complying with an approved worn at all times when handling chemical products t indicates this is necessary.
Body protection	Personal protective on the task being p	e equipment for the body should be selected based berformed and the risks involved and should be cialist before handling this product.
Other skin protection	: Appropriate footw should be selected	ear and any additional skin protection measures based on the task being performed and the risks ld be approved by a specialist before handling this
Respiratory protection	Based on the hazar meets the appropri used according to	d and potential for exposure, select a respirator that ate standard or certification. Respirators must be a respiratory protection program to ensure proper d other important aspects of use.

Section 9. Physical and chemical properties

Appearance

Physical state	:	solid [Pellets.]
Color	:	NO PIGMENT
Odor	:	Faint odor.
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.

Version Number 1.5 Revision Date 08/20/2024



Page 7 of 16 Print Date 11/26/2024

Lower and upper explosive (flammable) limits Vapor pressure Vapor density Relative density Solubility Solubility in water Partition coefficient: n- octanol/water	:	Lower: Not available. Upper: Not available. Not available. Not available. Not available. Not available. insoluble in water. Not available.
Auto-ignition temperature Decomposition temperature	:	Not available.
SADT	:	Not available.
Viscosity	:	Dynamic: Not available.
		Kinematic: Not available.
<u>Aerosol product</u>		
Heat of combustion	:	Not available.
Ignition distance	:	Not available.
Enclosed space ignition - Time equivalent	:	Not available.
Enclosed space ignition - Deflagration density	:	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	:	Avoid contact with acetal homopolymers and acetyl homopolymers during processing.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Not available.

Not available.

:

:

Section 11. Toxicological information

Information on toxicological effects

Flame height

Flame duration

Version Number 1.5 Revision Date 08/20/2024 Page 8 of 16 Print Date 11/26/2024

Acute toxicity				
Product/ingredient name	Result	Species	Dose	Exposure
Antimony oxide				
	LD50 Oral	Rat	34,000 mg/kg	-

Conclusion/Summary

: Mixture.Not fully tested.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Antimony oxide	Eyes - Mild irritant	Rabbit	-		-
1,2-Benzenedicarboxylic acid, 1,2-diundecyl ester	Eyes - Mild irritant	Rabbit	-		-

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

Classification

Product/ingredient name	OSHA	IARC	NTP
Antimony oxide	-	2B	-

Reproductive toxicity

Conclusion/Summary	:	Mixture.Not fully tested.
<u>Teratogenicity</u>		

Conclusion/Summary	:	Mixture.Not fully tested.
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8/16



Version Number 1.5 Revision Date 08/20/2024

Carcinogenicity

Mutagenicity

Page 9 of 16

GEON

Performance Solutions

Print Date 11/26/2024

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 Not available. : exposure **Potential acute health effects Eve contact** No known significant effects or critical hazards. : Inhalation No known significant effects or critical hazards. : No known significant effects or critical hazards. Skin contact : 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. : Potential chronic health effects **Conclusion/Summary** Mixture.Not fully tested. : General No known significant effects or critical hazards. :

:

:

No known significant effects or critical hazards.

No known significant effects or critical hazards.

Version Number 1.5 Revision Date 08/20/2024

Page 10 of 16 Print Date 11/26/2024

Teratogenicity	:	No known significant effects or critical hazards.
Developmental effects	:	No known significant effects or critical hazards.
Fertility effects	:	No known significant effects or critical hazards.

:

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral	Dermal	Inhalation (gases)	Inhalation (vapors)	Inhalation (dusts and mists)
GEON WX46400 NATURAL 0000 XND	34,000 mg/kg	N/A	N/A	N/A	N/A
Antimony oxide	34,000 mg/kg	N/A	N/A	N/A	N/A

Other information

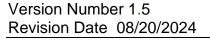
This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

Section 12. Ecological information

Toxicity

Antimony oxide Acute LC50 > 530 Mg/l Fresh water Fish - Lepomis macrochirus 96 h Acute EC50 560 Mg/l Fresh water Acute EC50 560 Mg/l Fresh subglobosa 48 h Acute EC50 3.01 Mg/l Fresh water Daphnia - Daphnia magna 48 h 1,2-Benzenedicarboxylic acid, 1,2-diundecyl ester Acute EC50 12 Mg/l Fresh water Daphnia - Daphnia magna 48 h	Product/ingredient name	Result	Species	Exposure		
water r Acute EC50 560 Mg/l Fresh water Crustaceans - Cypris subglobosa 48 h Acute EC50 3.01 Mg/l Fresh water Daphnia - Daphnia magna 48 h 1,2-Benzenedicarboxylic acid, 1,2-diundecyl ester	Antimony oxide					
Acute EC50 560 Mg/l Fresh water Crustaceans - Cypris subglobosa 48 h Acute EC50 3.01 Mg/l Fresh water Daphnia - Daphnia magna 48 h 1,2-Benzenedicarboxylic acid, 1,2-diundecyl ester 48 h 48 h		Acute LC50 > 530 Mg/l Fresh	Fish - Lepomis macrochirus	96 h		
water subglobosa Acute EC50 3.01 Mg/l Fresh Daphnia - Daphnia magna 48 h water 1,2-Benzenedicarboxylic acid, 1,2-diundecyl ester		water				
Acute EC50 3.01 Mg/l Fresh water Daphnia - Daphnia magna 48 h 1,2-Benzenedicarboxylic acid, 1,2-diundecyl ester		Acute EC50 560 Mg/l Fresh	Crustaceans - Cypris	48 h		
water 1,2-Benzenedicarboxylic acid, 1,2-diundecyl ester		water	subglobosa			
1,2-Benzenedicarboxylic acid, 1,2-diundecyl ester		Acute EC50 3.01 Mg/l Fresh	Daphnia - Daphnia magna	48 h		
		water				
Aguta EC50.12 Mg/L Ersch water Donknig Donknig magna 49 h	1,2-Benzenedicarboxylic acid, 1	,2-diundecyl ester				
Acute EC30 12 Mg/1 Fresh water Daphnia - Daphnia magna 48 h		Acute EC50 12 Mg/l Fresh water	Daphnia - Daphnia magna	48 h		
Chronic NOEC 0.3 Mg/l Fresh Fish - Oncorhynchus mykiss 155 d		Chronic NOEC 0.3 Mg/l Fresh	Fish - Oncorhynchus mykiss	155 d		
water		water				
Chronic NOEC 0.059 Mg/l Fresh Daphnia - Daphnia magna 21 d		Chronic NOEC 0.059 Mg/l Fresh	Daphnia - Daphnia magna	21 d		
water		water				
GEON WX46400 NATURAL 0000 XND	GEON WX46400 NATURAL (0000 XND				
Remarks - Acute - Aquatic Chemicals are not readily available as they are bound within the polymer matrix	Remarks - Acute - Aquatic	Chemicals are not readily available	e as they are bound within the pol	ymer matrix.		
invertebrates.:	invertebrates.:	5 5 5 million of Friday and Friday				







Page 11 of 16 Print Date 11/26/2024

Conclusion/Summary	:	Chemicals are not readily available as they are bound within the polymer matrix.
Persistence and degradability		
Conclusion/Summary	:	Chemicals are not readily available as they are bound within the polymer matrix.
Conclusion/Summary	:	Chemicals are not readily available as they are bound within the polymer matrix.
Bioaccumulative potential Not available.		
<u>Mobility in soil</u>		
Soil/water partition coefficient (KOC)	:	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.

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

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

Version Number 1.5 Revision Date 08/20/2024 Page 12 of 16 Print Date 11/26/2024

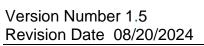
Section 14. Transport information

U.S.DOT 49CFR Ground/Air/Water	:	Not regulated for transportation.
International Air ICAO/IATA	:	Not classified as dangerous goods under transport regulations.
International Water IMO/IMDG	:	Not classified as dangerous goods under transport regulations.

Section 15. Regulatory information

U.S. Federal regulations	: United States - TSCA 12(b) - Chemical export notification: None
-	of the components are listed.
	United States - TSCA 4(a) - Final Test Rules: Not listed
	United States - TSCA 4(a) - ITC Priority list: Not listed
	United States - TSCA 4(a) - Proposed test rules: Not listed
	United States - TSCA 4(f) - Priority risk review: Not listed
	United States - TSCA 5(a)2 - Final significant new use rules: Not listed
	United States - TSCA 5(a)2 - Proposed significant new use rules: Not listed
	United States - TSCA 5(e) - Substances consent order: Not listed
	United States - TSCA 6 - Final risk management: Not listed
	United States - TSCA 6 - Proposed risk management: Listed
	Lead
	United States - TSCA 8(a) - Chemical risk rules: Not listed
	United States - TSCA 8(a) - Dioxin/Furane precusor: Not listed
	United States - TSCA 8(a) - Chemical Data Reporting (CDR): No determined
	United States - TSCA 8(a) - Preliminary assessment report (PAIR): Not listed
	United States - TSCA 8(c) - Significant adverse reaction (SAR): Not listed
	United States - TSCA 8(d) - Health and safety studies: Not listed
	United States - EPA Clean water act (CWA) section 307 - Priority
	pollutants: Listed Antimony trioxide
	Fatty acids, C16-18, zinc salts Zinc dilaurate
	Zinc diaurate Zinc stearate
	Zinc stearate Zinc oxide
	12/16





Clean Air Act Section 112(b)

DEA List II Chemicals (Essential



Page 13 of 16 Print Date 11/26/2024

Arsenic Lead Vinyl chloride monomer

United States - EPA Clean water act (CWA) section 311 -Hazardous substances: 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 Listed : Hazardous Air Pollutants (HAPs) **Clean Air Act Section 602 Class I** : Not listed Clean Air Act Section 602 Class II Not listed : **DEA List I Chemicals (Precursor** Not listed :

US. EPA CERCLA Hazardous Substances (40 CFR 302)

Chemical Name	CAS-No.	RQ for component
Antimony trioxide	1309-64-4	1,000 lb(s) 454 kg

SARA 311/312

Substances

Substances

Chemicals)

Chemicals)

Classification

Not applicable.

Not listed

:

:

Composition/information on ingredients

No products were found.

Name	%	Classification
Antimony oxide	>= 1 - <= 3	EYE IRRITATION - Category 2B CARCINOGENICITY - Category 2
1,2-Benzenedicarboxylic acid, 1,2-diundecyl ester	>= 1 - <= 3	EYE IRRITATION - Category 2B

Version Number 1.5 Revision Date 08/20/2024 Page 14 of 16 Print Date 11/26/2024

Form R - Reporting requirements

Product name	CAS number	%
Antimony trioxide	1309-64-4	>= 1 - <= 3
Lead	7439-92-1	> 0 - <= 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.

Not applicable.

State regulations		
Massachusetts	:	None of the components are listed.
New York	:	The following components are listed: Antimony trioxide
New Jersey	:	The following components are listed: Ethene, chloro-, homopolymer Calcium carbonate Antimony trioxide
Pennsylvania	:	The following components are listed: Calcium carbonate Aluminum hydroxide
		Antimony trioxide

<u>California Prop. 65</u>

WARNING: This product can expose you to chemicals including Antimony trioxide, which is known to the State of California to cause cancer, and Diisodecyl phthalate (mixed isomers), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Ingredient name	No significant risk level	Maximum acceptable dosage level
Diisodecyl phthalate (mixed isomers)	-	Yes.
Antimony trioxide	-	-

United States inventory (TSCA 8b)	:	All components are active or exempted.

Canada inventory

: Not determined.

International regulations



Version Number 1.5 Revision Date 08/20/2024



Page 15 of 16 Print Date 11/26/2024

Inventory list

Australia	: Not determined.
Canada	: Not determined.
China	: All components are listed or exempted.
Europe inventory	: All components are listed or exempted.
Japan	: Not determined.
New Zealand	: All components are listed or exempted.
Philippines	: All components are listed or exempted.
Republic of Korea	: Not determined.
Taiwan	: All components are listed or exempted.
Turkey	: Not determined.
United States	: All components are active 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. History

Date of printing	:	11/26/2024
Date of issue/Date of revision	:	08/20/2024
Date of previous issue	:	03/02/2020
Version	:	1.5
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

Version Number 1.5 Revision Date 08/20/2024 Page 16 of 16 Print Date 11/26/2024

pollution) UN = United Nations Not available.

References

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.

