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SAFETY DATA SHEET

GEON WJLK503L BLACK 2999

Section 1. Identification		
GHS product identifier Chemical name CAS number Other means of identification	:	GEON WJLK503L BLACK 2999 Mixture Mixture VC10003353
Product type	:	solid
<u>Relevant identified uses of the subs</u> Product use	tance :	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 for health effects. All ingredients are bound in a PVC polymer matrix and potential for hazardous exposure as shipped is minimal. PVC resin is manufactured from Vinyl Chloride Monomer (VCM). PVC resin manufacturers take special efforts to strip residual VCM from their resins. Residual VCM in the resin is typically below 8.5 ppm. However, VCM is a known carcinogen. The end-user (fabricator) should take necessary precautions (mechanical ventilation, local exhaust, respiratory protection, etc.) to protect employees from exposure to any vapors or dusts that may be released during heating or fabrication. See Sections 8 and 11 for special precautions.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		

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Signal word	:	No signal word.
Hazard statements	:	No known significant effects or critical hazards.
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	:	VC10003353

CAS number/other identifiers

Ingredient name	%	CAS number
Diundecyl phthalate	>= 5 - <= 10	3648-20-2
Antimony trioxide	>= 3 - <= 5	1309-64-4
Carbon black	>= 0.3 - <= 1	1333-86-4
Quartz	> 0 - <= 0.3	14808-60-7

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 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





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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.
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, acute and delayed

Potential acute health effects

Eye contact Inhalation Skin contact Ingestion Over-exposure signs/symptoms	 No known significant effects or critical hazards.
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

: In case of fire, use water spray (fog), foam, dry chemical or CO₂.

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Unsuitable extinguishing media	:	None known.
Specific hazards arising from the chemical	:	No specific fire or explosion hazard.
Hazardous thermal decomposition products	:	May emit Hydrogen Chloride (HCl). Decomposition products may include the following materials: carbon dioxide 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 containn	nent 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.

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Section 7. Handling and storage

Precautions for safe handling

Protective measures Advice on general occupational hygiene	:	Put on appropriate personal protective equipment (see Section 8). 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	
Diundecyl phthalate	None.	
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	
Carbon black	OSHA PEL 1989 (1989-03-01) TWA 3.5 mg/m3 OSHA PEL (1993-06-30) TWA 3.5 mg/m3 NIOSH REL (1994-06-01)	



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		TWA 3.5 mg/m3 NIOSH REL (1994-06-01) TWA 0.1 mgPAH/m ³ ACGIH TLV (2010-12-06) TWA 3 mg/m3 Form: Inhalable fraction
Quartz		OSHA PEL 1989 (1989-03-01) TWA 0.1 mg/m3 (Calculated as Quartz) Form: Respirable dust OSHA PEL Z3 (1997-09-03) TWA 250 MPPCF / (%SiO2+5) Form: Respirable TWA 10 MG /M3 / (%SiO2+2) Form: Respirable OSHA PEL Z3 (1997-09-03) TWA 30 MG /M3 / (%SiO2+2) Form: Total dust NIOSH REL (1994-06-01) TWA 0.05 mg/m3 Form: Respirable dust ACGIH TLV (2005-12-09) TWA 0.025 mg/m3 Form: Respirable fraction OSHA PEL (2016-06-23) TWA 0.05 mg/m3 Form: Respirable dust
Appropriate engineering controls Environmental exposure controls	:	Good general ventilation should be sufficient to control worker exposure to airborne contaminants. 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

Eye/face protection

showers are close to the workstation location. 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.

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

Skin protection

:



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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

Appearance

Physical state	:	solid [Pellets.]
Color	:	BLACK
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 available.
octanol/water		
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
SADT	:	Not available.
Viscosity	:	Dynamic: Not available.

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Kinematic: Not available.

Aerosol product

Heat of combustion	:	Not available.
Ignition distance	:	Not available.
Enclosed space ignition - Time	:	Not available.
equivalent		
Enclosed space ignition -	:	Not available.
Deflagration density		
Flame height	:	Not available.
Flame duration	:	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.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity				
Product/ingredient name	Result	Species	Dose	Exposure
Antimony oxide				
	LD50 Oral	Rat	34,000 mg/kg	-
Carbon black				
	LD50 Oral	Rat	15,400 mg/kg	-

Conclusion/Summary

: Mixture.Not fully tested.

Irritation/Corrosion

	Product/ingredient name	Result	Species	Score	Exposure	Observation
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1,2-Benzenedicarboxylic	Eyes - Mild irritant	Rabbit	-	-	
acid, 1,2-diundecyl ester	Lijos mila intalit	itabolt			
Antimony oxide	Eyes - Mild irritant	Rabbit	-	-	
Conclusion/Summary					
Skin	: Mixture	e.Not fully tested	1		
Eyes		e.Not fully tested			
Respiratory		e.Not fully tested			
Sensitization					
Conclusion/Summary					
Skin		e.Not fully tested			
Respiratory	: Mixtur	e.Not fully tested	1.		
Mutagenicity					
Conclusion/Summary	: Mixture	e.Not fully tested	1.		
Carcinogenicity					
Conclusion/Summary	: Mixture	e.Not fully tested	1.		

Classification

Product/ingredient name	OSHA	IARC	NTP
Antimony oxide	-	2B	-
Carbon black	-	2B	-
Quartz	-	1	Known to be a human carcinogen.

Reproductive toxicity

Conclusion/Summary	:	Mixture.Not fully tested.
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Teratogenicity

Conclusion/Summary

: Mixture.Not fully tested.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Quartz	Category 1	-	-

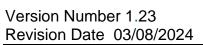


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Aspiration hazard Not available. Information on the likely routes of : Not available. exposure Potential acute health effects No known significant effects or critical hazards. Eye contact : Inhalation No known significant effects or critical hazards. : 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. : No known significant effects or critical hazards. General : Carcinogenicity No known significant effects or critical hazards. : Mutagenicity No known significant effects or critical hazards. : 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





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 $\frac{\textbf{Acute toxicity estimates}}{N/A}$

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

Product/ingredient name	Result	Species	Exposure			
1,2-Benzenedicarboxylic acid, 1	,2-diundecyl ester					
	Acute EC50 12 Mg/l Fresh water	Daphnia - Daphnia magna	48 h			
	Chronic NOEC 0.3 Mg/l Fresh	Fish - Oncorhynchus mykiss	155 d			
	water					
	Chronic NOEC 0.059 Mg/l Fresh	Daphnia - Daphnia magna	21 d			
	water					
Antimony oxide						
	Acute LC50 > 530 Mg/l Fresh	Fish - Lepomis macrochirus	96 h			
	water					
	Acute EC50 560 Mg/l Fresh	Crustaceans - Cypris	48 h			
	water	subglobosa				
	Acute EC50 3.01 Mg/l Fresh	Daphnia - Daphnia magna	48 h			
	water					
Carbon black						
	Acute EC50 37.563 Mg/l Fresh	Daphnia - Daphnia magna	48 h			
	water					
GEON WJLK503L BLACK 29	99					
Remarks - Acute - Aquatic invertebrates.:	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.					
Persistence and degradability						
Conclusion/Summary	: Chemicals are not readily available as they are bound within the					

: Chemicals are not readily available as they are bound within the polymer matrix.

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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

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.



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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 5(c) - Substances consent of der. Not insted 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): Not 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
		Zinc stearate
		Di(2-ethylhexyl) phthalate
		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
Clean Air Act Section 112(b)	:	Listed

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Hazardous Air Pollutants (HAPs)		
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	:	Not listed
Chemicals)		
DEA List II Chemicals (Essential	:	Not listed
Chemicals)		

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
Arsenic	7440-38-2	1 lb(s)
		0.454 kg

SARA 311/312

Classification

Not applicable.

Composition/information on ingredients

No products were found.

Name	%	Classification
1,2-Benzenedicarboxylic acid, 1,2-diundecyl ester	>= 5 - <= 10	EYE IRRITATION - Category 2B
Antimony oxide	>= 3 - <= 5	EYE IRRITATION - Category 2B CARCINOGENICITY - Category 2
Carbon black	>= 0.3 - <= 1	CARCINOGENICITY - Category 2
Quartz	> 0 - <= 0.3	CARCINOGENICITY - inhalation - Category 1A SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1

Form R - Reporting requirements

Product name CAS number %



:



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Antimony trioxide	1309-64-4	>= 3 - <= 5
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 Carbon black Quartz
Pennsylvania	:	The following components are listed: Calcium carbonate
		Antimony trioxide
		Carbon black
		Quartz

California Prop. 65

WARNING: This product can expose you to chemicals including Antimony trioxide, which are 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
Antimony trioxide	-	-
Carbon black	-	-
Quartz	-	-

United States inventory (TSCA 8b)	:	All components are active or exempted.
Canada inventory	:	At least one component is not listed in DSL but all such components are listed in NDSL.

International regulations

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Inventory list

Australia	:	All components are listed or exempted.
Canada	:	At least one component is not listed in DSL but all such components are listed in NDSL.
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	:	All components are listed or exempted.
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
U.		

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

Histor				
Date of printing	:	11/25/2024		
Date of issue/Date of revision	:	03/08/2024		
Date of previous issue	:	08/29/2023		
Version	:	1.23		
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		
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MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine 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.

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