## SAFETY DATA SHEET

## VERSAFLEX™ VDT 4132 NATURAL

Version Number 1.14 Revision Date 12/06/2022



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# SAFETY DATA SHEET

#### **VERSAFLEX™ VDT 4132 NATURAL**

Section 1. Identification		
:	VERSAFLEX™ VDT 4132 NATURAL	
:	Mixture	
:	Mixture	
:	EM10016394	
:	solid	
ance	or mixture and uses advised against	
:	Industrial applications.	
	**	
:	AVIENT CORPORATION	
	33587 Walker Road, Avon Lake, OH 44012	
	1 (440) 930-1000 or 1 (844) 4AVIENT	
:	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	:	No signal word.
Hazard statements	:	No known significant effects or critical hazards.

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**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	:	EM10016394

CAS number/other identifiers

Ingredient name	%	CAS number
White mineral oil (low viscosity)	>= 10 - <= 25	8042-47-5
Talc	> 0 - <= 0.3	14807-96-6

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

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified 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

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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 a	nd 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	attentio	n 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.

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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 $\rm CO_2$ . None known.
Specific hazards arising from the chemical Hazardous thermal	:	No specific fire or explosion hazard. Decomposition products may include the following materials:
decomposition products		carbon dioxide

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		carbon monoxide
Special protective actions for fire- fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self- contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel 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 containment	nt ai	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

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

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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
White mineral oil (low viscosity)	OSHA PEL (1993-06-30) TWA 5 mg/m3 NIOSH REL (1994-06-01) TWA 5 mg/m3 Form: Mist STEL 10 mg/m3 Form: Mist ACGIH TLV (2009-11-30) TWA 5 mg/m3 Form: Inhalable fraction
Talc	ACGIH TLV (1996-05-18) TWA 2 mg/m3 Form: Respirable fraction ACGIH TLV (1998-09-01) TWA 0.1 fibers per cubic centimeter Form: respirable fibers: length> 5 .mu.m; length / diameter ratio (aspect) <sup>3</sup> 3: 1, determined by the membrane filter method at 400 - 450 x magnification (4mm objective) using illumination of phase contrast. OSHA PEL 1989 (1989-03-01) TWA 2 mg/m3 Form: Respirable dust NIOSH REL (1994-06-01) TWA 2 mg/m3 Form: Respirable fraction OSHA PEL Z3 (1997-09-03) TWA 20 million particles per 1 cubic foot Form: not/asb OSHA PEL Z3 (1997-09-03) STEL 1 fibers per cubic centimeter Form: not/asb STEL 1 fibers per cubic centimeter Form: con/asb STEL 1 fibers per cubic centimeter Form: con/asb NIOSH REL (1994-06-01)

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		TWA 6 mg/m3 Form: Total TWA 3 mg/m3 Form: Respirable fraction
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	:	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. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the
		following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
Skin protection		
Hand protection	:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Body protection	:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	:	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

# Section 9. Physical and chemical properties

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#### **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.
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	:	insoluble in water.
Partition coefficient: n- octanol/water	:	Not available.
Auto-ignition temperature	:	Not available.
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 -	:	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.

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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.

# Section 11. Toxicological information

#### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure			
White mineral oil (petroleum) A highly refined petroleum mineral oil consisting of a complex combination of							
hydrocarbons obtained from the intensive treatment of a petroleum fraction with sulfuric acid and oleum, or by							
hydrogenation, or by a combination of hydrogenation and acid treatment. Additional washing and treating steps							
may be included in the processing	may be included in the processing operation. It consists of saturated hydrocarbons having carbon numbers						
predominantly in the range of C15 through C50.							
	LD50 Oral	Rat	5,000 mg/kg	-			
	LD50 Dermal	Rat	2,000 mg/kg	-			

**Conclusion/Summary** 

Mixture.Not fully tested.

#### **Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
Talc	Skin - Mild irritant	Human	-	72 hrs	-

Conclusion/Summary		
Skin	: N	lixture.Not fully tested.
Eyes	: N	lixture.Not fully tested.
Respiratory	: N	lixture.Not fully tested.
Sensitization		
Conclusion/Summary		
Skin	: N	lixture.Not fully tested.
Respiratory	: N	lixture.Not fully tested.
<u>Mutagenicity</u>		
Conclusion/Summary	: N	lixture.Not fully tested.
		- /

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#### Carcinogenicity

**Conclusion/Summary** : Mixture.Not fully tested.

#### **Classification**

Product/ingredient name	OSHA	IARC	NTP
Talc	-	312B	-

#### **Reproductive toxicity**

**Conclusion/Summary** : Mixture.Not fully tested.

:

#### **Teratogenicity**

**Conclusion/Summary** 

Mixture.Not fully tested.

#### Specific target organ toxicity (single exposure)

Not available.

#### Specific target organ toxicity (repeated exposure)

Not available.

#### Aspiration hazard

Name	Result
White mineral oil (petroleum) A highly refined	ASPIRATION HAZARD - Category 1
petroleum mineral oil consisting of a complex	
combination of hydrocarbons obtained from the	
intensive treatment of a petroleum fraction with sulfuric	
acid and oleum, or by hydrogenation, or by a	
combination of hydrogenation and acid treatment.	
Additional washing and treating steps may be included	
in the processing operation. It consists of saturated	
hydrocarbons having carbon numbers predominantly in	
the range of C15 through C50.	

Information on the likely routes of : Not available. exposure

#### Potential acute health effects

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

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Skin contact Ingestion	:	No known significant effects or critical hazards. No known significant effects or critical hazards.
Symptoms related to the physical, ch	<u>1emi</u>	cal 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 a	<u>also c</u>	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.
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

Acute toxicity estimates

Product/ingredient name	Oral	Dermal	Inhalation (gases)	Inhalation (vapors)	Inhalation (dusts and mists)
VERSAFLEX™ VDT 4132 NATURAL	5,000 mg/kg	N/A	N/A	N/A	N/A
White mineral oil (petroleum) A highly refined petroleum mineral oil consisting of a	5,000 mg/kg	N/A	N/A	N/A	N/A

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complex combination of			
hydrocarbons obtained from			
the intensive treatment of a			
petroleum fraction with			
sulfuric acid and oleum, or by			
hydrogenation, or by a			
combination of hydrogenation			
and acid treatment. Additional			
washing and treating steps			
may be included in the			
processing operation. It			
consists of saturated			
hydrocarbons having carbon			
numbers predominantly in the			
range of C15 through C50.			

#### **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
VERSAFLEX™ VDT 4132 NA	TURAL		
Remarks - Acute - Aquatic invertebrates.:	Chemica	Is are not readily available as they are bound within	n the polymer matrix.
Conclusion/Summary	:	Chemicals are not readily available as they are b polymer matrix.	ound within the
<u>Persistence and degradability</u> Conclusion/Summary	:	Chemicals are not readily available as they are b polymer matrix.	bound within the
Conclusion/Summary	:	Chemicals are not readily available as they are b polymer matrix.	bound within the
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#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
White mineral oil (petroleum) A	6	-	high
highly refined petroleum mineral oil			_
consisting of a complex combination			
of hydrocarbons obtained from the			
intensive treatment of a petroleum			
fraction with sulfuric acid and oleum,			
or by hydrogenation, or by a			
combination of hydrogenation and			
acid treatment. Additional washing			
and treating steps may be included in			
the processing operation. It consists			
of saturated hydrocarbons having			
carbon numbers predominantly in the			
range of C15 through C50.			

#### Mobility in soil

Soil/water	partition	coefficient	
(KOC)			

Not available.

Other adverse effects

**Disposal methods** 

No known significant effects or critical hazards.

## Section 13. Disposal considerations

: 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



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# Section 14. Transport information U.S.DOT 49CFR<br/>Ground/Air/Water : Not regulated for transportation. International Air<br/>ICAO/IATA : Not classified as dangerous goods under transport regulations. International Water<br/>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: Not listed
		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): Listed Poly(dimethylsiloxane)
		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: Not listed
		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
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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		Not lists d
DEA List I Chemicals (Precursor Chemicals)	:	Not listed
DEA List II Chemicals (Essential Chemicals)	:	Not listed
Circuitais)		

#### US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

<u>SARA 311/312</u>

Classification

Not applicable.

:

#### **Composition/information on ingredients**

No products were found.

Name	%	Classification
White mineral oil	>= 10 - <= 25	ASPIRATION HAZARD - Category 1
(petroleum) A highly		
refined petroleum mineral		
oil consisting of a complex		
combination of		
hydrocarbons obtained from		
the intensive treatment of a		
petroleum fraction with		
sulfuric acid and oleum, or		
by hydrogenation, or by a		
combination of		
hydrogenation and acid		
treatment. Additional		
washing and treating steps		
may be included in the		
processing operation. It		
consists of saturated		
hydrocarbons having carbon		
numbers predominantly in		
the range of C15 through		
C50.		

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	Talc	> 0 - <= 0.3	CARCINOGENICITY - Category 2
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Not applicable.

<u>State regulations</u> Massachusetts	:	None of the components are listed.
New York	:	None of the components are listed.
New Jersey	:	The following components are listed: White mineral oil (low viscosity) Talc
Pennsylvania	:	The following components are listed: Talc

#### California Prop. 65

**WARNING:** This product can expose you to Talc, 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
Talc			-	-
United States inventory (TSCA 8b)	:	All com	ponents are active or exempted.	
Canada inventory	:		one component is not listed in DS d in NDSL.	SL but all such components
International regulations				
nventory list				
Australia	:	All con	nponents are listed or exempted.	
Canada	:		t one component is not listed in Date in NDSL.	SL but all such component
China	:	All con	nponents are listed or exempted.	
Europe inventory	:		nponents are listed or exempted.	
Japan	:		nponents are listed or exempted.	
New Zealand	:		ermined.	
Philippines	:		nponents are listed or exempted.	
Republic of Korea	:		nponents are listed or exempted.	
Taiwan	:		nponents are listed or exempted.	
Turkey	:		ermined.	
United States	:	All con	nponents are active or exempted.	



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## 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

<b>History</b>		
Date of printing	:	12/07/2022
Date of issue/Date of revision	:	12/06/2022
Date of previous issue	:	01/21/2021
Version	:	1.14
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.

