Version Number 1.1 Revision Date 01/13/2025



Page 1 of 17 Print Date 01/15/2025

## SAFETY DATA SHEET

#### SUEDE-UV

Section 1. Identification		
GHS product identifier Chemical name CAS number Other means of identification Product type	::	SUEDE-UV Mixture Mixture CC10297771 solid
<u>Relevant identified uses of the subs</u> Product use	tance :	or mixture and uses advised against Industrial applications. Plastics.
Supplier's details	:	Avient Corporation 33587 Walker Road, Avon Lake, OH 44012
		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. 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.
		1/17

Version Number 1.1 Revision Date 01/13/2025

# **ÀVIENT**

#### Page 2 of 17 Print Date 01/15/2025

Hazard statements No known significant effects or critical hazards. : **Precautionary statements** Not applicable. Not applicable. Prevention : Response Not applicable. : Storage Not applicable. : Not applicable. Disposal : Supplemental label elements None known. : None known. Hazards not otherwise classified : Not available.

## Section 3. Composition/information on ingredients

Substance/mixture	:	Mixture
Chemical name	:	Mixture
Other means of identification	:	CC10297771

CAS number/other identifiers

Ingredient name	%	CAS number
Styrene-Butadiene polymer	>= 50 - <= 75	9003-55-8
Titanium dioxide	>= 5 - <= 10	13463-67-7
Decanedioic acid, bis(2,2,6,6-tetramethyl-4-piperidinyl) ester	>= 5 - <= 10	52829-07-9
Carbon black	>= 0.3 - <= 1	1333-86-4

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



Version Number 1.1	Page 3 of 17
Revision Date 01/13/2025	Print Date 01/15/2025

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. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	:	Wash out mouth with water. 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	::	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.
<b>Over-exposure signs/symptoms</b>		
Eye contact	:	No specific data.
Inhalation	:	No specific data.
Skin contact	:	No specific data.
Ingestion	:	No specific data.
Indication of immediate medical att	entic	on and special treatment needed, if necessary
Notes to physician	:	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
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**

# **ÄVIENT**

## SAFETY DATA SHEET SUEDE-UV

Version Number 1.1 Revision Date 01/13/2025 Page 4 of 17 Print Date 01/15/2025

#### Extinguishing media

Suitable extinguishing media Unsuitable extinguishing media	:	In case of fire, use water spray (fog), foam, dry chemical or CO <sub>2</sub> . None known.
Specific hazards arising from the chemical	:	No specific fire or explosion hazard.
Hazardous thermal decomposition products	:	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides phosphorus oxides metal oxide/oxides
Special protective actions for fire- fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self- contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

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

For non-emergency personnel 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 and 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
4/17		



Version Number 1.1 Revision Date 01/13/2025 Page 5 of 17 Print Date 01/15/2025

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 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
Styrene-Butadiene polymer	None.
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
Decanedioic acid, bis(2,2,6,6- tetramethyl-4-piperidinyl) ester	None.



Version Number 1.1 Revision Date 01/13/2025

#### Page 6 of 17 Print Date 01/15/2025

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) TWA 3.5 mg/m3 NIOSH REL (1994-06-01) TWA 0.1 mgPAH/m <sup>3</sup> ACGIH TLV (2010-12-06) TWA 3 mg/m3 Form: Inhalable fraction
Appropriate engineering controls Environmental exposure controls	<ul> <li>Good general ventilation should be sufficient to control worker exposure to airborne contaminants.</li> <li>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.</li> </ul>
Individual protection measures	
Hygiene measures Eye/face protection	<ul> <li>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.</li> <li>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.</li> </ul>
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	<ul> <li>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.</li> </ul>
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 6/17

Version Number 1.1 Revision Date 01/13/2025 Page 7 of 17 Print Date 01/15/2025

**Respiratory protection** 

product.

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

Color:TANOdor:Faint odor.Odor threshold:Not available.pH:Not available.Melting point:Not available.	
Odor threshold: Not available.pH: Not available.	
<b>pH</b> : Not available.	
<b>F</b>	
Melting noint • Not available	
Boiling point : Not available.	
Flash point: Not applicable.	
Burning time : Not available.	
Burning rate : Not available.	
<b>Evaporation rate</b> : Not available.	
Flammability (solid, gas) : Not available.	
Lower and upper explosive : Lower: Not applicable.	
(flammable) limits Upper: Not applicable.	
Vapor pressure:Not available.	
Vapor density:Not applicable.	
<b>Relative density</b> : Not available.	
Solubility : Not available.	
Solubility in water : insoluble in water.	
Partition coefficient: n- : Not applicable. octanol/water	
Auto-ignition temperature:Not applicable.	
<b>Decomposition temperature</b> : Not available.	
SADT:Not available.Viscosity:Dynamic: Not available	

# **ÄVIENT**



Version Number 1.1 Revision Date 01/13/2025

#### Page 8 of 17 Print Date 01/15/2025

#### Aerosol product

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.
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
Titanium oxide (TiO2)				
	LC50 Inhalation Dusts and mists	Rat - Male	6.82 Mg/l	4 h
	LD50 Dermal	Rabbit	> 5,000 mg/kg	-
Decanedioic acid, 1,10-bis(2,2	2,6,6-tetramethyl-4-pi	peridinyl) ester		
	LC50 Inhalation Vapor	Rat	0.5 Mg/l	4 h
Carbon black				
	LD50 Oral	Rat	15,400 mg/kg	-

Conclusion/Summary

Mixture.Not fully tested.

:



Version Number 1.1 Revision Date 01/13/2025

#### Page 9 of 17 Print Date 01/15/2025

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Benzene, ethenyl-, polymer with 1,3-butadiene	Eyes - Mild irritant	Rabbit	-	24 hrs	-
Conclusion/Summary Skin Eyes Respiratory <u>Sensitization</u>	: Mixture.N	ot fully tested. ot fully tested. ot fully tested.			
Conclusion/Summary Skin Respiratory		ot fully tested. ot fully tested.			
<b>Mutagenicity</b>					
Conclusion/Summary	: Mixture.N	ot fully tested.			
<u>Carcinogenicity</u> Conclusion/Summary	: Mixture.N	ot fully tested.			

#### **Classification**

Product/ingredient name	OSHA	IARC	NTP
Benzene, ethenyl-,	-	3	-
polymer with 1,3-			
butadiene			
Titanium oxide (TiO2)	-	2B	-
Carbon black	-	2B	-

#### **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)



Version Number 1.1 Revision Date 01/13/2025

#### Page 10 of 17 Print Date 01/15/2025

Not available.

#### **Aspiration hazard** Not available.

Information on the likely routes of exposure	:	Not available.
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.

#### 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 Potential delayed effects	:	Not available. Not available.
Long term exposure		
Potential immediate effects Potential delayed effects <u>Potential chronic health effects</u>	:	Not available. Not available.
Conclusion/Summary	:	Mixture.Not fully tested.
General Carcinogenicity Mutagenicity Teratogenicity Developmental effects Fertility effects		No known significant effects or critical hazards. No known significant effects or critical hazards.



Version Number 1.1 Revision Date 01/13/2025 Page 11 of 17 Print Date 01/15/2025

#### Numerical measures of toxicity

<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**

Product/ingredient name	Result	Species	Exposure			
Titanium oxide (TiO2)						
	Acute LC50 > 1,000 Mg/l	Fish - Fundulus heteroclitus	96 h			
	Marine water					
	Acute LC50 3 Mg/l Fresh water	Crustaceans - Ceriodaphnia	48 h			
		dubia				
	Acute LC50 6.5 Mg/l Fresh	Daphnia - Daphnia pulex	48 h			
	water					
Decanedioic acid, 1,10-bis(2,2,6	6,6-tetramethyl-4-piperidinyl) ester					
	Acute EC50 8.6 Mg/l Fresh	Daphnia	48 h			
	water					
Carbon black						
	Acute EC50 37.563 Mg/l Fresh	Daphnia - Daphnia magna	48 h			
	water					
SUEDE-UV						
Remarks - Acute - Aquatic						
invertebrates.:						
<b>Conclusion/Summary</b> : Chemicals are not readily available as they are bound within the						
Conclusion/Summary	polymer matrix.	ity available as they are bound wi	unn me			
	porymer matrix.					
Persistence and degradability						
Conclusion/Summary	Chemicals are not readily available as they are bound within the					
	polymer matrix.					
Complete in Second and	Chaminala and the		:4h : 4h			
Conclusion/Summary	: Chemicals are not read	lily available as they are bound w	iuin the			
	11/17					



Version Number 1.1 Revision Date 01/13/2025 Page 12 of 17 Print Date 01/15/2025

polymer matrix.

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
Decanedioic acid, 1,10-bis(2,2,6,6-	0.35	-	low
tetramethyl-4-piperidinyl) ester			

#### Mobility in soil

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.



Version Number 1.1 Revision Date 01/13/2025

#### Page 13 of 17 Print Date 01/15/2025

International Water IMO/IMDG : Not classified as dangerous goods under transport regulations.

## Section 15. Regulatory information

U.S. Federal regulations	:	<ul> <li>United States - TSCA 12(b) - Chemical export notification: None of the components are listed.</li> <li>United States - TSCA 4(a) - Final Test Rules: Not listed</li> <li>United States - TSCA 4(a) - ITC Priority list: Not listed</li> <li>United States - TSCA 4(a) - Proposed test rules: Not listed</li> <li>United States - TSCA 4(f) - Priority risk review: Not listed</li> <li>United States - TSCA 4(f) - Priority risk review: Not listed</li> <li>United States - TSCA 5(a)2 - Final significant new use rules: Not listed</li> <li>United States - TSCA 5(a)2 - Proposed significant new use rules: Not listed</li> <li>United States - TSCA 5(e) - Substances consent order: Not listed</li> <li>United States - TSCA 5(e) - Substances consent order: Not listed</li> <li>United States - TSCA 6 - Final risk management: Not listed</li> <li>United States - TSCA 8(a) - Chemical risk rules: Not listed</li> <li>United States - TSCA 8(a) - Dioxin/Furane precusor: Not listed</li> <li>United States - TSCA 8(a) - Chemical Data Reporting (CDR): Not determined</li> <li>United States - TSCA 8(c) - Significant adverse reaction (SAR): Not listed</li> <li>United States - TSCA 8(c) - Significant adverse reaction (SAR): Not listed</li> <li>United States - TSCA 8(d) - Health and safety studies: Not listed</li> <li>United States - EPA Clean water act (CWA) section 307 - Priority pollutants: Listed Zinc ferrite brown spinel (C.I. Pigment Yellow 119)</li> <li>United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable substances: Not listed</li> <li>United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Toxic substances: Not listed</li> </ul>
		<b>release prevention - Toxic substances:</b> Not listed <b>United States - Department of commerce - Precursor chemical:</b> Not listed
Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)	:	Not listed
Clean Air Act Section 602 Class I Substances	:	Not listed



Version Number 1.1 Revision Date 01/13/2025 Page 14 of 17 Print Date 01/15/2025

Clean Air Act Section 602 Class II:Not listedSubstancesDEA List I Chemicals (Precursor:Not listedChemicals)DEA List II Chemicals (Essential<br/>Chemicals):Not listed

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

not applicable

SARA 311/312

Classification

: Not applicable.

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

No products were found.

Name	%	Classification
Benzene, ethenyl-, polymer with 1,3-butadiene	>= 50 - <= 75	EYE IRRITATION - Category 2B
Titanium oxide (TiO2)	>= 5 - <= 10	CARCINOGENICITY - Category 2
Decanedioic acid, 1,10- bis(2,2,6,6-tetramethyl-4- piperidinyl) ester	>= 5 - <= 10	ACUTE TOXICITY - inhalation - Category 1 SERIOUS EYE DAMAGE - Category 1
Carbon black	>= 0.3 - <= 1	CARCINOGENICITY - Category 2

#### SARA 313

#### Form R - Reporting requirements

Product name	CAS number	%
Zinc ferrite brown spinel (C.I. Pigment Yellow 119)	68187-51-9	>= 3 - < 7

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations			
Massachusetts	:	The following components are listed: Titanium dioxide	
		Iron oxide	
		14/17	



#### Version Number 1.1 Revision Date 01/13/2025

#### Page 15 of 17 Print Date 01/15/2025

New York New Jersey	:	None of the components are listed. The following components are listed: Titanium dioxide Zinc ferrite brown spinel (C.I. Pigment Yellow 119) Iron oxide Carbon black
Pennsylvania	:	The following components are listed: Titanium dioxide Zinc ferrite brown spinel (C.I. Pigment Yellow 119) Iron oxide
		Iron oxide

#### California Prop. 65

**WARNING:** This product can expose you to chemicals including Titanium dioxide, 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
Titanium dioxide	-	-
Carbon black	-	-

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 Inventory list		
Australia	:	Not determined.
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.
Eurasian Economic Union	:	Russian Federation inventory: Not determined.
Japan	:	Japan inventory (CSCL): Not determined.
		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.



Version Number 1.1 Revision Date 01/13/2025 Page 16 of 17 Print Date 01/15/2025

### 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>IIIStory</b>		
Date of printing	:	01/15/2025
Date of issue/Date of revision	:	01/13/2025
Date of previous issue	:	01/14/2019
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.



Version Number 1.1 Revision Date 01/13/2025 Page 17 of 17 Print Date 01/15/2025