

CORE<sup>™</sup> FB560N Blue Venting - New Resin

Version Number 1.1 Revision Date 02/03/2022 Page 1 of 15 Print Date 02/04/2022

# SAFETY DATA SHEET

CORE<sup>™</sup> FB560N Blue Venting - New Resin

Section 1. Identification	on	
GHS product identifier	:	CORE <sup>™</sup> FB560N Blue Venting - New Resin
Chemical name	:	Mixture
CAS number	:	Mixture
Other means of identification	:	FO20048089
Product type	:	liquid
Relevant identified uses of the subs	stance	or mixture and uses advised against
Product use	:	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	:	CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or
(with hours of operation)		accident).

# Section 2. Hazards identification

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

OSHA/HCS status	:	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	:	<b>RESPIRATORY SENSITIZATION - Category 1</b>
GHS label elements		



## CORE<sup>™</sup> FB560N Blue Venting - New Resin

Version Number 1.1 Revision Date 02/03/2022 Page 2 of 15 Print Date 02/04/2022

Hazard pictograms	:	
Signal word	:	Danger
Hazard statements	:	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Precautionary statements		
	:	Not applicable.
Prevention	:	Wear respiratory protection. Avoid breathing vapor.
Response	:	IF INHALED: Remove person to fresh air and keep comfortable for
-		breathing. If experiencing respiratory symptoms: Call a POISON
		CENTER or doctor.
Storage	:	Not applicable.
Disposal	:	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	:	None known.
Hazards not otherwise classified	:	None known.
		Not available.

# Section 3. Composition/information on ingredients

Substance/mixture	:	Mixture
Chemical name	:	Mixture
Other means of identification	:	FO20048089

#### CAS number/other identifiers

Ingredient name	%	CAS number
Azodicarbonamide	>= 0.3 - <= 1	123-77-3

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



## CORE<sup>™</sup> FB560N Blue Venting - New Resin

Version Number 1.1 Revision Date 02/03/2022 Page 3 of 15 Print Date 02/04/2022

### **Description of necessary first aid measures**

Eye contact	:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
Inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In the event of any complaints or symptoms, avoid further exposure.
Skin contact	:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	:	Wash out mouth with water. Remove dentures if any. 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. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

#### Most important symptoms/effects, acute and delayed

Potential acute health effects		
Eye contact	:	No known significant effects or critical hazards.
Inhalation	:	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
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.
		3/15



## CORE™ FB560N Blue Venting - New Resin

Version Number 1.1 Revision Date 02/03/2022 Page 4 of 15 Print Date 02/04/2022

Inhalation	:	Adverse symptoms may include the following: wheezing and breathing difficulties asthma
Skin contact	:	No specific data.
Ingestion	:	No specific data.
Indication of immediate medical atte	entio	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. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

## **Section 5. Fire-fighting measures**

#### Extinguishing media

Suitable extinguishing media Unsuitable extinguishing media	:	In case of fire, use water spray (fog), foam, dry chemical or $CO_2$ . None known.
Specific hazards arising from the chemical Hazardous thermal decomposition products	:	In a fire or if heated, a pressure increase will occur and the container may burst. May emit Hydrogen Chloride (HCl). Decomposition products may include the following materials: carbon dioxide carbon monoxide sulfur oxides halogenated compounds metal oxide/oxides
Special protective actions for fire- fighters Special protective equipment 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. 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



CORE<sup>™</sup> FB560N Blue Venting - New Resin

Version Number 1.1 Revision Date 02/03/2022 Page 5 of 15 Print Date 02/04/2022

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

For non-emergency personnel For emergency responders	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for containment	nt aı	nd cleaning up
Small spill	:	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	:	Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non- combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency 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). Persons with a history of asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is
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## CORE™ FB560N Blue Venting - New Resin

Version Number 1.1 Revision Date 02/03/2022 Page 6 of 15 Print Date 02/04/2022

		inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
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
Azodicarbonamide		None.
Appropriate engineering controls	:	Use only with adequate ventilation. If user operations generate dust,
Environmental exposure controls	:	fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of
		environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Individual protection measures		
Hygiene measures	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety
		6/15



## CORE<sup>™</sup> FB560N Blue Venting - New Resin

Version Number 1.1 Revision Date 02/03/2022

### Page 7 of 15 Print Date 02/04/2022

Eye/face protection	<ul> <li>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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Body protection	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

# Section 9. Physical and chemical properties

#### **Appearance**

Physical state	:	liquid [liquid]
Color	:	BLUE
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.



# CORE™ FB560N Blue Venting - New Resin

Version Number 1.1 Revision Date 02/03/2022 Page 8 of 15 Print Date 02/04/2022

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.
		Kinematic: Not available.
Aerosol product		
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



CORE™ FB560N Blue Venting - New Resin

Version Number 1.1 Revision Date 02/03/2022 Page 9 of 15 Print Date 02/04/2022

Acute toxicity Product/ingredient name	Result	Species	Dose	Exposure
1,2-Diazenedicarboxamide	Nesult	species	Dust	Laposure
	LD50 Oral	Rat	6,400 mg/kg	-
	0			I
<b>Conclusion/Summary</b>	: Miz	xture.Not fully tested.		
Irritation/Corrosion				
Conclusion/Summary				
Skin	: Mi	xture.Not fully tested		
Eyes	: Mi	xture.Not fully tested		
Respiratory	: Mi	xture.Not fully tested		
g				
<b>Sensitization</b>				
Conclusion/Summary				
Skin	: Mi	xture.Not fully tested		
Respiratory		xture.Not fully tested		
<b>Mutagenicity</b>				
Conclusion/Summary	: Mi	xture.Not fully tested		
Conclusion, Summary	• 111	Attaie. Tot fully tested	•	
<b>Carcinogenicity</b>				
Conclusion/Summary	: Mi	xture.Not fully tested		
<b><u>Reproductive toxicity</u></b>				
Conclusion/Summary	: Mi	xture.Not fully tested		
<b>Teratogenicity</b>				
<u>reratogementy</u>				
<b>Conclusion/Summary</b>	: Mi	xture.Not fully tested		
		×.		
Specific target organ toxicity	y (single exposure	<u>e)</u>		
Not available.				
Specific target organ toxicity	v (repeated expos	sure)		
Not available.		<u>`</u>		
Aspiration hazard				
Not available.				
Information on the likely ro	utes of : No	t available.		
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## CORE™ FB560N Blue Venting - New Resin

Version Number	er 1.1
<b>Revision Date</b>	02/03/2022

Page 10 of 15 Print Date 02/04/2022

#### exposure

Potential acute health effects	
Eye contact Inhalation Skin contact Ingestion	<ul> <li>No known significant effects or critical hazards.</li> <li>May cause allergy or asthma symptoms or breathing difficulties if inhaled.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> </ul>
Symptoms related to the physical, cl	hemical and toxicological characteristics
Eye contact Inhalation Skin contact Ingestion	<ul> <li>No specific data.</li> <li>Adverse symptoms may include the following: wheezing and breathing difficulties, asthma</li> <li>No specific data.</li> <li>No specific data.</li> </ul>
Delayed and immediate effects and a	also chronic effects from short and long term exposure
Short term exposure	
Potential immediate effects Potential delayed effects <u>Long term exposure</u>	<ul><li>Not available.</li><li>Not available.</li></ul>
Potential immediate effects Potential delayed effects	<ul><li>Not available.</li><li>Not available.</li></ul>
Potential chronic health effects	
Conclusion/Summary	: Mixture.Not fully tested.
General	: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity Teratogenicity	<ul><li>No known significant effects or critical hazards.</li><li>No known significant effects or critical hazards.</li></ul>
Developmental effects Fertility effects	<ul> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> </ul>

### Numerical measures of toxicity

Acute toxicity estimates



## CORE™ FB560N Blue Venting - New Resin

Version Number 1.1 Revision Date 02/03/2022 Page 11 of 15 Print Date 02/04/2022

Product/ingredient name	Oral	Dermal	Inhalation (gases)	Inhalation (vapors)	Inhalation (dusts and mists)
CORE™ FB560N Blue Venting - New Resin	6,400 mg/kg	N/A	N/A	N/A	N/A
1,2-Diazenedicarboxamide	6,400 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**

Conclusion/Summary	:	Not available.	
Persistence and degradability			
Conclusion/Summary	:	Not available.	

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
1,2-Diazenedicarboxamide	1	-	low

#### 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



## CORE™ FB560N Blue Venting - New Resin

Version Number 1.1 Revision Date 02/03/2022 Page 12 of 15 Print Date 02/04/2022

should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains 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	:	Consult mode specific transport rules
International Water IMO/IMDG	:	Consult mode specific transport rules

## 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

12/15



## CORE™ FB560N Blue Venting - New Resin

Version Number	er 1.1
<b>Revision Date</b>	02/03/2022

### Page 13 of 15 Print Date 02/04/2022

		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: Listed Zinc stearate Copper phthalocyanine monochloride
		United States - EPA Clean water act (CWA) section 311 - Hazardous substances: Not listed United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable substances: Not listed United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Toxic substances: Not listed United States - Department of commerce - Precursor chemical: Not listed
Clean Air Act Section 112(b)	:	Not listed
Hazardous Air Pollutants (HAPs) Clean Air Act Section 602 Class I Substances	:	Not listed
Clean Air Act Section 602 Class II Substances	:	Not listed
DEA List I Chemicals (Precursor Chemicals)	:	Not listed
DEA List II Chemicals (Essential Chemicals)	:	Not listed

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

:

not applicable

<u>SARA 311/312</u>

Classification

**RESPIRATORY SENSITIZATION - Category 1** 

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

Name	%	Classification
1,2-Diazenedicarboxamide	>= 0.3 - <= 1	<b>RESPIRATORY SENSITIZATION - Category 1</b>



## CORE™ FB560N Blue Venting - New Resin

Version Number 1.1 Revision Date 02/03/2022 Page 14 of 15 Print Date 02/04/2022

Not applicable.

<u>State regulations</u> Massachusetts New York New Jersey	::	None of the components are listed. None of the components are listed. The following components are listed: Barium sulfate Ethene, chloro-, homopolymer
Pennsylvania	:	Bis (2-ethylhexyl) adipate The following components are listed: Barium sulfate
		Bis (2-ethylhexyl) adipate
<u>California Prop. 65</u> This product does not require a Safe He United States inventory (TSCA 8b)	arboi :	warning under California Prop. 65. All components are active or exempted.
Canada inventory	:	All components are listed or exempted.
International regulations		
<u>Inventory list</u>		
Australia	:	Not determined.
Canada	:	All components are listed or exempted.
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 United States	-	Not determined. All components are active or exempted.
United States	•	An components are active or exempted.

# Section 16. Other information

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

Health	*	0
Flammability		0
Physical hazards		0
		14/15



CORE<sup>™</sup> FB560N Blue Venting - New Resin

Version Number 1.1 Revision Date 02/03/2022 Page 15 of 15 Print Date 02/04/2022

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual. History

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Date of printing	:	02/04/2022
Date of issue/Date of revision	:	02/03/2022
Date of previous issue	:	04/28/2021
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.