SC-2820 V BLUE

Version Number 1.1 Revision Date 07/06/2022



Page 1 of 16 Print Date 07/07/2022

SAFETY DATA SHEET

SC-2820 V BLUE

Section 1. Identification		
GHS product identifier Chemical name CAS number Other means of identification Product type	::	SC-2820 V BLUE Mixture Mixture FO20047978 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 Hazard statements	:	No signal word. No known significant effects or critical hazards.

SC-2820 V BLUE

Version Number 1.1 Revision Date 07/06/2022

AVIENT

Page 2 of 16 Print Date 07/07/2022

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	:	FO20047978

CAS number/other identifiers

Ingredient name	%	CAS number
Quartz	>= 10 - <= 25	14808-60-7
Silica, amorphous	>= 3 - <= 5	7631-86-9
Titanium dioxide	>= 0.3 - <= 1	13463-67-7
Octamethylcyclotetrasiloxane	>= 0.3 - <= 1	556-67-2

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

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses.

SC-2820 V BLUE

Version Number 1.1 Revision Date 07/06/2022

AVIENT

Page 3 of 16 Print Date 07/07/2022

Inhalation	:	Get medical attention if irritation occurs. 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
Ingestion	:	clothing and shoes. Get medical attention if symptoms occur. 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	:	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.
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 attention and special treatment needed, if necessary

Notes to physician Specific treatments	:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. 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 CO_2 .
Unsuitable extinguishing media	:	None known.

SC-2820 V BLUE

Version Number 1.1 Revision Date 07/06/2022



Page 4 of 16 Print Date 07/07/2022

Specific hazards arising from the chemical Hazardous thermal decomposition products	:	No specific fire or explosion hazard. Decomposition products may include the following materials: metal oxide/oxides
Special protective actions for fire- fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self- contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel For emergency responders	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for containme	ent a	nd cleaning up
Small spill	:	Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
Large spill	:	Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

:

Precautions for safe handling

Protective measures

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

SC-2820 V BLUE

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ÀVIENT

ersion Number 1.1	Page 5 of 16
evision Date 07/06/2022	Print Date 07/07/2022

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
Quartz	OSHA PEL 1989 (1989-03-01)TWA 0.1 mg/m3 (Calculated as Quartz) Form: Respirable dustOSHA PEL Z3 (1997-09-03)TWA 250 MPPCF / (%SiO2+5) Form: RespirableTWA 10 MG /M3 / (%SiO2+2) Form: RespirableOSHA PEL Z3 (1997-09-03)TWA 30 MG /M3 / (%SiO2+2) Form: Total dustNIOSH REL (1994-06-01)TWA 0.05 mg/m3 Form: Respirable dustACGIH TLV (2005-12-09)TWA 0.025 mg/m3 Form: Respirable fractionOSHA PEL (2016-06-23)TWA 0.05 mg/m3 Form: Respirable dust
Silica, amorphous	NIOSH REL (1994-06-01) TWA 6 mg/m3
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 (1996-05-18) TWA 10 mg/m3
	5/16

SC-2820 V BLUE

Version Number 1.1 Revision Date 07/06/2022

Page 6 of 16 Print Date 07/07/2022

Octamethylcyclotetrasiloxane		OARS WEEL (2018-05-07) TWA 10 ppm
Appropriate engineering controls	:	Good general ventilation should be sufficient to control worker
Environmental exposure controls	:	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		inglier degree of protection, safety glasses with side-siliends.
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.



SC-2820 V BLUE

Version Number 1.1 Revision Date 07/06/2022

ÀVIENT

Page 7 of 16 Print Date 07/07/2022

Section 9. Physical and chemical properties

Appearance

Physical state	:	solid [solid]
Color	:	BLUE
Odor	:	Faint odor.
Odor threshold	:	Not available.
pH	:	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-	:	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	:	Not available.
equivalent	•	Not available.
Enclosed space ignition -	:	Not available.
Deflagration density	•	
Flame height	:	Not available.
Flame duration		Not available.
	•	

Section 10. Stability and reactivity

SC-2820 V BLUE

Version Number 1.1 Revision Date 07/06/2022



Page 8 of 16
Print Date 07/07/2022

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	-
Cyclotetrasiloxane, 2,2,4,4,6,6	5,8,8-octamethyl-			
	LD50 Oral	Rat	1,540 mg/kg	-
	LC50 Inhalation Vapor	Rat	36 Mg/l	4 h
	LD50 Dermal	Rat	1,770 mg/kg	-

Conclusion/Summary

: Mixture.Not fully tested.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Silica	Eyes - Mild irritant	Rabbit	-	24 hrs	-
Cyclotetrasiloxane, 2,2,4,4,6,6,8,8-octamethyl-	Eyes - Mild irritant	Rabbit	-	24 hrs	-
	Skin - Mild irritant	Rabbit	-	24 hrs	-

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

Sensitization

SC-2820 V BLUE

Version Number 1.1 Revision Date 07/06/2022



Page 9 of 16
Print Date 07/07/2022

Conclusion/Summary Skin Respiratory		Aixture.Not fully tested. Aixture.Not fully tested.
<u>Mutagenicity</u>		
Conclusion/Summary	: N	Aixture.Not fully tested.
Carcinogenicity		
Conclusion/Summary	: N	Aixture.Not fully tested.

Classification

Product/ingredient name	OSHA	IARC	NTP
Quartz	-	1	Known to be a human carcinogen.
Silica	-	3	-
Titanium oxide (TiO2)	-	2B	-

Reproductive toxicity

Conclusion/Summary	: Mixture.Not fu	ally 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	-	-

Aspiration hazard

Not available.

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.
Skin contact	: No known significant effects or critical hazards.

SC-2820 V BLUE

Version Number 1.1 Revision Date 07/06/2022

ÀVIENT

Page 10 of 16 Print Date 07/07/2022

Ingestion	:	No known significant effects or critical hazards.
Symptoms related to the physical, c	hemi	cal and toxicological characteristics
Eye contact Inhalation Skin contact Ingestion	:	No specific data. No specific data. No specific data. 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	:	Not available. Not available.
Potential chronic health effects		
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.
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

SC-2820 V BLUE

Version Number 1.1 Revision Date 07/06/2022



Page 11 of 16 Print Date 07/07/2022

Toxicity

	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			
Cyclotetrasiloxane, 2,2,4,4,6,6,8,		1	1	
	Acute LC50 0.204 - 3.483 Mg/l	Fish - Leuciscus idus ssp.	96 h	
	Fresh water	melanotus		
	Chronic NOEC 0.0000044 Mg/l	Fish - Oncorhynchus mykiss	93 d	
	Fresh water	Destais Destais second	21.1	
	Chronic NOEC 0.0079 Mg/l Fresh water	Daphnia - Daphnia magna	21 d	
SC-2820 V BLUE	Fresh water			
	Chamicals are not readily available	as they are bound within the pol	umor motrix	
invertebrates.:	Chemicals are not readily available as they are bound within the polymer matrix.			
mvertebrates				
Conclusion/Summary	: Chemicals are not readily available as they are bound within the			
Concrusion/Summary	polymer matrix.			
	Porjuer marine			
Persistence and degradability				
<u>A</u>				
Conclusion/Summary	: Chemicals are not readily available as they are bound within the			
	polymer matrix.			
~	~			
Conclusion/Summary	: Chemicals are not readily available as they are bound within the			
	polymer matrix.			

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Cyclotetrasiloxane, 2,2,4,4,6,6,8,8-	6.488	13,400.00	high
octamethyl-			

Mobility in soil

Soil/water partition coefficient	:	Not available.
(KOC)		

SC-2820 V BLUE

Version Number 1.1 Revision Date 07/06/2022

AVIENT

Page 12 of 16 Print Date 07/07/2022

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.

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: Listed Octamethylcyclotetrasiloxane
	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
	12/16

SC-2820 V BLUE

Version Number 1.1 Revision Date 07/06/2022

AVIENT

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 Siloxanes and silicones, dimethyl, hydroxyterminated Octamethylcyclotetrasiloxane Decamethylcyclopentasiloxane Dodecamethylcyclohexasiloxane 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 Phthalocyanine Blue Benzene, methyl-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
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)

SC-2820 V BLUE

Version Number 1.1 Revision Date 07/06/2022

Page 14 of 16 Print Date 07/07/2022

ÄVIENT

not applicable

SARA 311/312

Classification

Not applicable.

:

Composition/information on ingredients

No products were found.

Name	%	Classification
Quartz	>= 10 - <= 25	CARCINOGENICITY - inhalation - Category 1A SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1
Silica	>= 3 - <= 5	EYE IRRITATION - Category 2B
Titanium oxide (TiO2)	>= 0.3 - <= 1	CARCINOGENICITY - Category 2
Cyclotetrasiloxane, 2,2,4,4,6,6,8,8-octamethyl-	>= 0.3 - <= 1	FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY - oral - Category 4 ACUTE TOXICITY - dermal - Category 4 EYE IRRITATION - Category 2B TOXIC TO REPRODUCTION - Category 2

Not applicable.

State regulations		
Massachusetts	:	None of the components are listed.
New York	:	None of the components are listed.
New Jersey	:	The following components are listed:
-		Quartz
		Titanium dioxide
Pennsylvania	:	The following components are listed:
		Quartz
		Silica, amorphous
		-
		Titanium dioxide

California Prop. 65

WARNING: This product can expose you to chemicals including Miscellaneous Compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. This product can



SC-2820 V BLUE

Version Number 1.1 Revision Date 07/06/2022 Page 15 of 16 Print Date 07/07/2022

expose you to chemicals including Quartz, 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
Miscellaneous Compounds	-	-
Quartz	-	-
Titanium dioxide	-	-

or exempted.

United States inventory (19CA 00) . The components are as	United States inventory	(TSCA 8b)	:	All components are activ
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Canada inventory

: Not determined.

International regulations

Inventory list

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

Section 16. Other information

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

Health	/	0
Flammability		0
Physical hazards		0

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

The customer is responsible for determining the PPE code for this material. For more information on

SC-2820 V BLUE

Version Number 1.1 Revision Date 07/06/2022

AVIENT

Page 16 of 16 Print Date 07/07/2022

HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual. History

History		
Date of printing	:	07/07/2022
Date of issue/Date of revision	:	07/06/2022
Date of previous issue	:	05/03/2021
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.