### **ABS PURPLE SPIKE**

Version Number 1.0 Revision Date 01/30/2024



Page 1 of 16 Print Date 01/31/2024

# SAFETY DATA SHEET

#### **ABS PURPLE SPIKE**

Section 1. Identificatio	n	
GHS product identifier Chemical name CAS number Other means of identification Product type	:::::::::::::::::::::::::::::::::::::::	ABS PURPLE SPIKE Mixture Mixture CC10388989 solid
<u>Relevant identified uses of the substa</u> Product use	ance :	or mixture and uses advised against Industrial applications.
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.
Hazard statements	:	No known significant effects or critical hazards.

# ABS PURPLE SPIKE

Version Number 1.0 Revision Date 01/30/2024

# AVIENT

Page 2 of 16 Print Date 01/31/2024

#### **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	:	CC10388989

CAS number/other identifiers

Ingredient name	%	CAS number
Titanium dioxide	>= 5 - <= 10	13463-67-7
Styrene	> 0 - <= 0.3	100-42-5

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. In case of

# ABS PURPLE SPIKE



Version Number 1.0	Page 3 of 16
Revision Date 01/30/2024	Print Date 01/31/2024

		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	:	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 attention 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

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 <sub>2</sub> .
Unsuitable extinguishing media	:	None known.

suitable training.

# ABS PURPLE SPIKE

Version Number 1.0 Revision Date 01/30/2024

# **ÀVIENT**

Page 4 of 16 Print Date 01/31/2024

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

# Section 6. Accidental release measures

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

For non-emergency personnel For emergency responders	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for containme	nt aı	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.

## ABS PURPLE SPIKE

Version Number 1.0 Revision Date 01/30/2024

# **ÀVIENT**

#### Page 5 of 16 Print Date 01/31/2024

# **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	
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	
Styrene	ACGIH TLV (2020-03-01) Ototoxicant	
	TWA 10 ppm	
	STEL 20 ppm	
	NIOSH REL (1994-06-01)	
	TWA 215 mg/m3 50 ppm	
	STEL 425 mg/m3 100 ppm	
	OSHA PEL 1989 (1989-03-01)	
	TWA 215 mg/m3 50 ppm	
	STEL 425 mg/m3 100 ppm	

5/16

## ABS PURPLE SPIKE

Version Number 1.0 Revision Date 01/30/2024



#### Page 6 of 16 Print Date 01/31/2024

		<b>OSHA PEL Z2 (1993-06-30)</b> TWA 100 ppm
		CEIL 200 ppm
		AMP 600 ppm
Appropriate engineering controls	:	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Environmental exposure controls	:	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.
		necessary to reduce emissions to acceptable revers.
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
		showers are close to the workstation location.
Eye/face protection	:	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.
<b>Respiratory protection</b>	:	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.

### **ABS PURPLE SPIKE**

Version Number 1.0 Revision Date 01/30/2024

# **ÀVIENT**

Page 7 of 16 Print Date 01/31/2024

# Section 9. Physical and chemical properties

#### **Appearance**

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

# Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	<ul> <li>Stable under recommended storage and handling conditions (see Section 7).</li> </ul>

# ABS PURPLE SPIKE

Version Number 1.0 Revision Date 01/30/2024

# AVIENT

#### Page 8 of 16 Print Date 01/31/2024

Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid Incompatible materials	:	Keep away from extreme heat and oxidizing agents. 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

Product/ingredient name	Result	Species	Dose	Exposure
Titanium oxide (TiO2)				
	LC50 Inhalation	Rat - Male	6.82 Mg/l	4 h
	Dusts and mists		_	
	LD50 Dermal	Rabbit	> 5,000 mg/kg	-
Styrene				
	LD50 Oral	Rat	2,650 mg/kg	-
	LC50 Inhalation	Rat	2,770 ppm	4 h
	Gas.			
	LC50 Inhalation	Rat	11.8 Mg/l	4 h
	Vapor			

**Conclusion/Summary** 

: Mixture.Not fully tested.

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Styrene	Eyes - Mild irritant	Human	-		-
	Skin - Mild irritant	Rabbit	-		-
	Skin - Moderate irritant	Rabbit	-		-
	Eyes - Severe irritant	Rabbit	-		-
	Eyes - Moderate	Rabbit	-	24 hrs	-
	irritant				

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

**Sensitization** 

# ABS PURPLE SPIKE

Version Number 1.0 Revision Date 01/30/2024



Page 9 of 16
Print Date 01/31/2024

Conclusion/Summary		
Skin	:	Mixture.Not fully tested.
Respiratory	:	Mixture.Not fully tested.
<b>Mutagenicity</b>		
Conclusion/Summary	:	Mixture.Not fully tested.
<b>Carcinogenicity</b>		
Conclusion/Summary	:	Mixture.Not fully tested.

#### **Classification**

Product/ingredient name	OSHA	IARC	NTP
Titanium oxide (TiO2)	-	2B	-
Styrene	-	2B	Reasonably anticipated to be a human carcinogen.

#### **Reproductive toxicity**

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

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

# Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure) Not available.

## 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.
Ingestion	:	No known significant effects or critical hazards.

#### Symptoms related to the physical, chemical and toxicological characteristics

# ABS PURPLE SPIKE

Version Number 1.0 Revision Date 01/30/2024



Page 10 of 16 Print Date 01/31/2024

Eye contact	:	No specific data.
Inhalation	:	No specific data.
Skin contact	:	No specific data.
Ingestion	:	No specific data.
Delayed and immediate effects ar	nd also	chronic effects from short and long term exposure
Short term exposure		
Potential immediate effects	:	Not available.
Potential delayed effects	:	Not available.
Long term exposure		
Potential immediate effects	:	Not available.
Potential delayed effects	:	Not available.
Potential chronic health effects		
Conclusion/Summary	:	Mixture.Not fully tested.
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	:	Not available.
<b>Developmental effects</b>	:	Not available.
Fertility effects	:	No known significant effects or critical hazards.
Numerical measures of toxicity		
Acute toxicity estimates N/A		
Other information	:	This mixture has not been evaluated as a whole for health effect 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)			
	10/16		



# ABS PURPLE SPIKE

Version Number 1.0 Revision Date 01/30/2024

Styrene	0.35	13.49 low	
Product/ingredient name	LogPow	BCF Potentia	al
Bioaccumulative potential			
Conclusion/Summary	: Chemicals are not re polymer matrix.	adily available as they are bound	within the
Conclusion/Summary	: Chemicals are not re polymer matrix.	adily available as they are bound	within the
Conclusion/Summary Persistence and degradability	: Chemicals are not rea polymer matrix.	dily available as they are bound	within the
invertebrates.:			
<b>Remarks - Acute - Aquatic</b>	Chemicals are not readily availa	ble as they are bound within the r	olymer matrix.
ABS PURPLE SPIKE	water		
	Acute EC50 78 Mg/l Marine	Algae - Skeletonema costatu	m 96 h
	Acute LC50 52 Mg/l Marine water	Crustaceans - Artemia salina	
	water		40.1
	Acute EC50 0.0047 Mg/l Fresh	Daphnia - Daphnia magna	48 h
,	Acute LC50 4.02 Mg/l Fresh water	Fish - Pimephales promelas	96 h
Styrene	water		
	Acute LC50 6.5 Mg/l Fresh	Daphnia - Daphnia pulex	48 h
		dubia	
	Marine water Acute LC50 3 Mg/l Fresh water	Crustaceans - Ceriodaphnia	48 h
	Acute LC50 > 1,000 Mg/l	Fish - Fundulus heteroclitus	96 h

### <u>Mobility in soil</u>

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

Other adverse effects

: No known significant effects or critical hazards.

# Section 13. Disposal considerations

11/16

## **ABS PURPLE SPIKE**

Version Number 1.0 Revision Date 01/30/2024

# **ÀVIENT**

Page 12 of 16
Print Date 01/31/2024

**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	<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 6 - Final risk management: Not listed</li> </ul>
	12/16

## ABS PURPLE SPIKE

Version Number 1.0 Revision Date 01/30/2024

# **ÀVIENT**

Page 13 of 16
Print Date 01/31/2024

		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): Not listed United States - TSCA 8(c) - Significant adverse reaction (SAR): Not listed United States - TSCA 8(c) - Significant adverse reaction (SAR): Not listed United States - TSCA 8(d) - Health and safety studies: Not listed United States - EPA Clean water act (CWA) section 307 - Priority pollutants: Listed Acrylonitrile 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) Hazardous Air Pollutants (HAPs)	:	Listed
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

SARA 311/312

Classification

Not applicable.

:

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

No products were found.

Name	%	Classification
Titanium oxide (TiO2)	>= 5 - <= 10	CARCINOGENICITY - Category 2

## **ABS PURPLE SPIKE**

Version Number 1.0 Revision Date 01/30/2024

# **ÀVIENT**

#### Page 14 of 16 Print Date 01/31/2024

Styrene	> 0 - <= 0.3	FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY - inhalation - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A CARCINOGENICITY - Category 2	
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#### SARA 313

#### Form R - Reporting requirements

Product name	CAS number	%
Styrene	100-42-5	>= 0.1 - < 1

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

State regulations	
Massachusetts	: The following components are listed: Titanium dioxide
New York	: None of the components are listed.
New Jersey	: The following components are listed:
	Titanium dioxide
Pennsylvania	: The following components are listed: Titanium dioxide

#### 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	-	-
Styrene	Yes.	-

United States inventory (TSCA 8b)	:	All components are active or exempted.
Canada inventory	:	All components are listed or exempted.
International regulations Inventory list		
Australia	:	All components are listed or exempted.

# ABS PURPLE SPIKE

Version Number 1.0 Revision Date 01/30/2024

# AVIENT

Page 15 of 16 Print Date 01/31/2024

Canada	:	All components are listed or exempted.
China	:	Not determined.
Eurasian Economic Union	:	Russian Federation inventory: Not determined.
Japan	:	Japan inventory (CSCL): Not determined.
		Japan inventory (ISHL): Not determined.
New Zealand	:	Not determined.
Philippines	:	Not determined.
Republic of Korea	:	All components are listed or exempted.
Taiwan	:	Not determined.
Thailand	:	Not determined.
Turkey	:	Not determined.
United States	:	All components are active or exempted.
Viet Nam	:	Not determined.

# Section 16. Other information

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

Health	/	0
Flammability		0
Physical hazards		

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

<u>Instory</u>		
Date of printing	:	01/31/2024
Date of issue/Date of revision	:	01/30/2024
Date of previous issue	:	00/00/0000
Version	:	1.0
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
		15/16

# ABS PURPLE SPIKE

Version Number 1.0 Revision Date 01/30/2024

# **ÀVIENT**

Page 16 of 16 Print Date 01/31/2024

References

Not available.

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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.