#### **GREY/ABS-1**

Version Number 1.3 Revision Date 09/01/2023



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# SAFETY DATA SHEET

#### **GREY/ABS-1**

Section 1. Identification	on	
GHS product identifier Chemical name CAS number Other means of identification Product type	:	GREY/ABS-1 Mixture Mixture CC10076065 solid
<u>Relevant identified uses of the subs</u> Product use	stance :	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 Hazard statements	:	No signal word. No known significant effects or critical hazards.

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#### **Precautionary statements**

	:	Not applicable.
Prevention	:	Not applicable.
Response	:	Not applicable.
Storage	:	Not applicable.
Disposal	:	Not applicable.
Supplemental label elements	:	None known.
Hazards not otherwise classified	:	None known.
		Not available.

# Section 3. Composition/information on ingredients

Substance/mixture	:	Mixture
Chemical name	:	Mixture
Other means of identification	:	CC10076065

#### CAS number/other identifiers

Ingredient name	%	CAS number
2-Propenenitrile, polymer with Ethenylbenzene	>= 50 - <= 75	9003-54-7
Titanium dioxide	>= 10 - <= 25	13463-67-7
Decanedioic acid, bis(2,2,6,6-tetramethyl-4-piperidinyl) ester	>= 1 - <= 3	52829-07-9
Nickel antimony yellow rutile (C.I. Pigment Yellow 53)	>= 1 - <= 3	8007-18-9
Carbon black	>= 0.3 - <= 1	1333-86-4
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

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#### 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 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	:	No known significant effects or critical hazards. No known significant effects or critical hazards.
Skin contact Ingestion	:	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 atter	ntio	n 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)

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# Section 5. Fire-fighting measures

#### Extinguishing media

Suitable extinguishing media Unsuitable extinguishing media	:	In case of fire, use water spray (fog), foam, dry chemical or $\rm CO_2$ . None known.
Specific hazards arising from the chemical	:	No specific fire or explosion hazard.
Hazardous thermal decomposition products	:	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen 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 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
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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
2-Propenenitrile, polymer with Ethenylbenzene	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.

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Nickel antimony yellow rutile (C.I. Pigment Yellow 53)	OSHA PEL 1989 (1989-03-01) TWA 1 mg/m3 (as Ni) OSHA PEL (1993-06-30) TWA 1 mg/m3 (as Ni)
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
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         OSHA PEL Z2 (1993-06-30)         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.
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
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Eye/face protection	:	remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
Skin protection		
Hand protection	:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Body protection	:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	:	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

# Section 9. Physical and chemical properties

#### **Appearance**

Physical state Color	:	solid [Pellets.] GREY
Odor	:	Faint odor.
Odor threshold	:	Not available.
рН	:	Not available.
Melting point	:	Not available.
Boiling point	:	Not available.
Flash point	:	Not applicable.
Burning time	:	Not available.
Burning rate	:	Not available.
Evaporation rate	:	Not available.
Flammability (solid, gas)	:	Not available.
Lower and upper explosive	:	Lower: Not applicable.
(flammable) limits		<b>Upper:</b> Not applicable.

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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	:	Not available.
SADT	:	Not available.
Viscosity	:	<b>Dynamic:</b> Not available.
-		Kinematic: Not applicable.

# Section 10. Stability and reactivity

Reactivity	:	No specific test data related to reactivity available for this product or
Chemical stability	:	its ingredients. 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

Product/ingredient name	Result	Species	Dose	Exposure
2-Propenenitrile, polymer with	ethenylbenzene			
	LD50 Oral	Rat	1,800 mg/kg	-
Titanium oxide (TiO2)				
	LC50 Inhalation	Rat - Male	6.82 Mg/l	4 h
	Dusts and mists			
	LD50 Dermal	Rabbit	> 5,000  mg/kg	-



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Decanedioic acid, 1,10-bis(2,2,6,6-tetramethyl-4-piperidinyl) ester					
	LC50 Inhalation	Rat	0.5 Mg/l	4 h	
	Vapor				
Carbon black					
	LD50 Oral	Rat	15,400 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				

:	Mixture.Not fully tested.
:	Mixture.Not fully tested.
:	Mixture.Not fully tested.
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:	Mixture.Not fully tested.

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Product/ingredient name	OSHA	IARC	NTP		
2-Propenenitrile, polymer	-	3	-		
with ethenylbenzene					
Titanium oxide (TiO2)	-	2B	-		
Nickel antimony titanium	-	1	Known to be a human carcinogen.		
yellow rutile					
Carbon black	-	2B	-		
Styrene	-	2B	Reasonably anticipated to be a human carcinogen.		
<u>Reproductive toxicity</u> Conclusion/Summary	:	Mixture.Not fu	lly tested.		
<u>Teratogenicity</u>					
Conclusion/Summary	:	Mixture.Not fu	lly tested.		
Specific target organ toxicity Not available.	(single exp	<u>osure)</u>			
Specific target organ toxicity Not available.	(repeated e	exposure)			
Aspiration hazard Not available.					
Information on the likely rout exposure	formation on the likely routes of : Not available. posure				
Potential acute health effects					
Eye contact	:	No known sign	ificant effects or critical hazards.		
Inhalation	:		ificant effects or critical hazards.		
Skin contact					
Ingestion		No known significant effects or critical hazards.			
Symptoms related to the phys	ical, chemi	ical and toxicolog	gical characteristics		
Eye contact	:	No specific data	a.		
Inhalation	•	No specific dat			
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



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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. 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

#### **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	2,6,6-tetramethyl-4-piperidinyl) ester		
	Acute EC50 8.6 Mg/l Fresh	Daphnia	48 h

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Carbon black       Acute EC50 37.563 Mg/l Fresh water       Daphnia - Daphnia magna       48 h         Styrene       Acute EC50 4.02 Mg/l Fresh water       Fish - Pimephales promelas       96 h         Mater       Acute EC50 0.0047 Mg/l Fresh water       Fish - Daphnia magna       48 h         Acute EC50 0.0047 Mg/l Fresh water       Daphnia - Daphnia magna       48 h         Acute EC50 0.0047 Mg/l Fresh water       Daphnia - Daphnia magna       48 h         Acute EC50 78 Mg/l Marine water       Crustaceans - Artemia salina       48 h         Acute EC50 78 Mg/l Marine water       Algae - Skeletonema costatum       96 h         GREY/ABS-1       Chemicals are not readily available as they are bound within the polymer matrix       96 h         GREY/ABS-1       Chemicals are not readily available as they are bound within the polymer matrix       96 h         Conclusion/Summary       :       Chemicals are not readily available as they are bound within the polymer matrix.         Persistence and degradability       :       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.					
Acute EC50 37.563 Mg/l Fresh water       Daphnia - Daphnia magna       48 h         Styrene       Acute LC50 4.02 Mg/l Fresh water       Fish - Pimephales promelas       96 h         Acute EC50 0.0047 Mg/l Fresh water       Fish - Daphnia - Daphnia magna       48 h         Acute EC50 0.0047 Mg/l Fresh water       Daphnia - Daphnia magna       48 h         Acute EC50 52 Mg/l Marine water       Crustaceans - Artemia salina       48 h         Acute EC50 78 Mg/l Marine water       Algae - Skeletonema costatum water       96 h         GREY/ABS-1       Chemicals are not readily available as they are bound within the polymer matrix invertebrates.:       96 h         Conclusion/Summary       :       Chemicals are not readily available as they are bound within the polymer matrix.         Persistence and degradability       :       Chemicals are not readily available as they are bound within the polymer matrix.		water			
water       Image: Styrene         Styrene       Acute LC50 4.02 Mg/l Fresh water       Fish - Pimephales promelas water       96 h         Acute EC50 0.0047 Mg/l Fresh water       Daphnia - Daphnia magna water       48 h         Acute LC50 52 Mg/l Marine water       Crustaceans - Artemia salina water       48 h         Acute LC50 78 Mg/l Marine water       Algae - Skeletonema costatum water       96 h         GREY/ABS-1       Chemicals are not readily available as they are bound within the polymer matrix.       96 h         Gression/Summary       :       Chemicals are not readily available as they are bound within the polymer matrix.         Persistence and degradability       :       Chemicals are not readily available as they are bound within the polymer matrix.	Carbon black			• •	
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Acute LC50 4.02 Mg/l Fresh water       Fish - Pimephales promelas       96 h         Acute EC50 0.0047 Mg/l Fresh water       Daphnia - Daphnia magna       48 h         Acute LC50 52 Mg/l Marine water       Crustaceans - Artemia salina       48 h         Acute EC50 78 Mg/l Marine water       Algae - Skeletonema costatum       96 h         GREY/ABS-1       Chemicals are not readily available as they are bound within the polymer matrix       96 h         Conclusion/Summary       :       Chemicals are not readily available as they are bound within the polymer matrix.         Persistence and degradability       :       Chemicals are not readily available as they are bound within the polymer matrix.		C			
Acute LC50 4.02 Mg/l Fresh water       Fish - Pimephales promelas       96 h         Acute EC50 0.0047 Mg/l Fresh water       Daphnia - Daphnia magna       48 h         Acute LC50 52 Mg/l Marine water       Crustaceans - Artemia salina       48 h         Acute EC50 78 Mg/l Marine water       Algae - Skeletonema costatum water       96 h         GREY/ABS-1       Chemicals are not readily available as they are bound within the polymer matrix       96 h         Conclusion/Summary       :       Chemicals are not readily available as they are bound within the polymer matrix.         Persistence and degradability       :       Chemicals are not readily available as they are bound within the polymer matrix.         Persistence and degradability       :       Chemicals are not readily available as they are bound within the polymer matrix.	Styrene				
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water       Acute LC50 52 Mg/l Marine       Crustaceans - Artemia salina       48 h         Acute LC50 78 Mg/l Marine       Algae - Skeletonema costatum       96 h         GREY/ABS-1       Kemarks - Acute - Aquatic invertebrates.:       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.         Persistence and degradability       :       Chemicals are not readily available as they are bound within the polymer matrix.         Persistence and degradability       :       Chemicals are not readily available as they are bound within the polymer matrix.		Ū.	r · · · · · ·		
water       Acute LC50 52 Mg/l Marine       Crustaceans - Artemia salina       48 h         water       Acute EC50 78 Mg/l Marine       Algae - Skeletonema costatum       96 h         GREY/ABS-1       Kemarks - Acute - Aquatic invertebrates.:       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.         Persistence and degradability       :       Chemicals are not readily available as they are bound within the polymer matrix.         Persistence and degradability       :       Chemicals are not readily available as they are bound within the polymer matrix.		Acute EC50 0.0047 Mg/l Fresh	Daphnia - Daphnia magna	48 h	
water       Acute EC50 78 Mg/l Marine water       Algae - Skeletonema costatum       96 h         GREY/ABS-1       GRervials are not readily available as they are bound within the polymer matrix       96 h         Conclusion/Summary       Chemicals are not readily available as they are bound within the polymer matrix.       97 h         Persistence and degradability       :       Chemicals are not readily available as they are bound within the polymer matrix.         Persistence and degradability       :       Chemicals are not readily available as they are bound within the polymer matrix.		•			
water       Acute EC50 78 Mg/l Marine       Algae - Skeletonema costatum       96 h         GREY/ABS-1       GRemarks - Acute - Aquatic invertebrates.:       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.         Persistence and degradability       :       Chemicals are not readily available as they are bound within the polymer matrix.         Persistence and degradability       :       Chemicals are not readily available as they are bound within the polymer matrix.		Acute LC50 52 Mg/l Marine	Crustaceans - Artemia salina	48 h	
water       water         GREY/ABS-1       Chemicals are not readily available as they are bound within the polymer matrix invertebrates.:         Conclusion/Summary       :       Chemicals are not readily available as they are bound within the polymer matrix.         Persistence and degradability       :       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.         Persistence and degradability       :       Chemicals are not readily available as they are bound within the polymer matrix.		-		-	
water       water         GREY/ABS-1       Chemicals are not readily available as they are bound within the polymer matrix invertebrates.:         Conclusion/Summary       :       Chemicals are not readily available as they are bound within the polymer matrix.         Persistence and degradability       :       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.         Persistence and degradability       :       Chemicals are not readily available as they are bound within the polymer matrix.		Acute EC50 78 Mg/l Marine	Algae - Skeletonema costatum	96 h	
Remarks - Acute - Aquatic invertebrates.:       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.         Persistence and degradability       :       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.         Persistence and degradability       :       Chemicals are not readily available as they are bound within the polymer matrix.		•	8		
invertebrates.:       Image: Conclusion/Summary       Image: Chemicals are not readily available as they are bound within the polymer matrix.         Persistence and degradability       Image: Chemicals are not readily available as they are bound within the polymer matrix.         Conclusion/Summary       Image: Chemicals are not readily available as they are bound within the polymer matrix.	GREY/ABS-1				
invertebrates.:       Image: Conclusion/Summary       Image: Chemicals are not readily available as they are bound within the polymer matrix.         Persistence and degradability       Image: Chemicals are not readily available as they are bound within the polymer matrix.         Conclusion/Summary       Image: Chemicals are not readily available as they are bound within the polymer matrix.	Remarks - Acute - Aquatic	Chemicals are not readily available as they are bound within the polymer matrix.			
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polymer matrix.	Persistence and degradability				
<b>Conclusion/Summary</b> : Chemicals are not readily available as they are bound within the	Conclusion/Summary		dily available as they are bound wit	hin the	
polymer matrix.	Conclusion/Summary		dily available as they are bound wit	hin the	

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
Decanedioic acid, 1,10-bis(2,2,6,6-	0.35	-	low
tetramethyl-4-piperidinyl) ester			
Styrene	0.35	13.49	low

#### **Mobility in soil**

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

Other adverse effects

: No known significant effects or critical hazards.

# Section 13. Disposal considerations

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**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>
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		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
		<b>United States - TSCA 8(c) - Significant adverse reaction (SAR):</b> 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 Rutile, antimony chromium buff Nickel antimony yellow rutile (C.I. Pigment Yellow 53) Ethyl benzene 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 Subs	tance	es (40 CFR 302)
not applicable		

#### SARA 311/312

Classification

: Not applicable.

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

No products were found.

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Name	%	Classification
2-Propenenitrile, polymer with ethenylbenzene	>= 50 - <= 75	ACUTE TOXICITY - oral - Category 4
Titanium oxide (TiO2)	>= 10 - <= 25	CARCINOGENICITY - Category 2
Decanedioic acid, 1,10- bis(2,2,6,6-tetramethyl-4- piperidinyl) ester	>= 1 - <= 3	ACUTE TOXICITY - inhalation - Category 1 SERIOUS EYE DAMAGE - Category 1
Nickel antimony titanium yellow rutile	>= 1 - <= 3	CARCINOGENICITY - Category 1A
Carbon black	>= 0.3 - <= 1	CARCINOGENICITY - Category 2
Styrene	> 0 - <= 0.3	FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY - inhalation - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A CARCINOGENICITY - Category 2

#### <u>SARA 313</u>

#### Form R - Reporting requirements

Product name	CAS number	%
Rutile, antimony chromium buff	68186-90-3	>= 1 - < 5
Nickel antimony yellow rutile (C.I. Pigment Yellow 53)	8007-18-9	>= 0.5 - < 1.5
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		he following components are listed: Titanium dioxide
New York	: N	one of the components are listed.
New Jersey	: Т	he following components are listed:
		2-Propenenitrile, polymer with Ethenylbenzene
		Titanium dioxide
		Rutile, antimony chromium buff
		Nickel antimony yellow rutile (C.I. Pigment Yellow 53)
		Carbon black

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Pennsylvania

The following components are listed: Titanium dioxide

:

Rutile, antimony chromium buff

Nickel antimony yellow rutile (C.I. Pigment Yellow 53)

#### 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	-	-
Nickel antimony yellow rutile (C.I. Pigment Yellow 53)	-	-
Carbon black	-	-
Styrene	Yes.	-

Canada inventory       : All components are listed or exempted.         International regulations
Inventory list       :       Not determined.         Australia       :       All components are listed or exempted.
Canada : All components are listed or exempted.
1 1
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.
<b>Republic of Korea</b> : All components are listed or exempted.
Taiwan:All components are listed or exempted.
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.)

# **ÄVIENT**

## SAFETY DATA SHEET

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Health	/	0
Flammability		0
Physical hazards		0

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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	:	09/06/2023
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Version	:	1.3
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.

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