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# SAFETY DATA SHEET

### GEON HTX LA425 GRAY (#11136269)

Section 1. Identification	on				
GHS product identifier Chemical name CAS number Other means of identification Product type	: : : :	GEON HTX LA425 GRAY (#11136269) Mixture Mixture VC10005203 solid			
Relevant identified uses of the subs	Relevant identified uses of the substance or mixture and uses advised against				
Product use	:	Industrial applications. Plastics.			
Supplier's details	:	GEON Performance Solutions LLC 33587 Walker Road, Avon Lake, OH 44012			
Emergency telephone number (with hours of operation)	:	1 (440) 930-1000 or 1 (866) POLYONE 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 for health effects. All ingredients are bound in a PVC polymer matrix and potential for hazardous exposure as shipped is minimal. PVC resin is manufactured from Vinyl Chloride Monomer (VCM). PVC resin manufacturers take special efforts to strip residual VCM from their resins. Residual VCM in the resin is typically below 8.5 ppm. However, VCM is a known carcinogen. The end-user (fabricator) should take necessary precautions (mechanical ventilation, local exhaust, respiratory protection, etc.) to protect employees from exposure to any vapors or dusts that may be released during heating or fabrication. See Sections 8 and 11 for special precautions.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		

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Signal word	:	No signal word.
Hazard statements	:	No known significant effects or critical hazards.
Precautionary statements		
General	:	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	:	VC10005203

#### CAS number/other identifiers

Ingredient name	%	CAS number
Titanium dioxide	0.3 - 1	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.
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.
		of oreating. Oet medical attention in symptoms occur.





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Skin contact Ingestion	:	Flush contaminated skin with plenty of water. Remove contaminated 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.
<u>Most important symptoms/effects,</u> <u>Potential acute health effects</u>	acute a	nd delayed
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. Firefighting 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	:	No specific fire or explosion hazard.
Hazardous thermal	:	May emit Hydrogen Chloride (HCl).
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decomposition products		Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds
Special protective actions for fire- fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self- contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### Section 6. Accidental release measures

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

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

### **Section 7. Handling and storage**

#### Precautions for safe handling

contact information and Section 13 for waste disposal.



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Protective measures	:	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational	:	Eating, drinking and smoking should be prohibited in areas where this
hygiene		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 (1996-05-18) TWA 10 mg/m3	
Styrene	ACGIH TLV (1997-05-21) TWA 85 mg/m3 20 ppm STEL 170 mg/m3 40 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 CEIL 600 ppm	



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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 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.
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** 

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Physical state	:	solid [Pellets.]
Color	:	GREY
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.
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	:	Not available.
equivalent		
Enclosed space ignition -	:	Not available.
Deflagration density		
Flame height	:	Not available.
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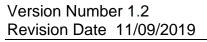
### Section 10. Stability and reactivity

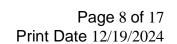
Flame duration

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
Possibility of hazardous reactions	:	Section 7). Under normal conditions of storage and use, hazardous reactions will

Not available.

:





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		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.

### Section 11. Toxicological 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.

#### **Information on toxicological effects**

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Titanium dioxide				
Remarks - Oral:	No applicable toxic	city data		
	LC50 Inhalation	Rat - Male	6.82 Mg/l	4 h
	LD50 Dermal	Rabbit	> 5,000 mg/kg	-
Styrene				
	LD50 Oral	Rat	2,650 mg/kg	-
	LC50 Inhalation	Rat	2,770 ppm	4 h
	LC50 Inhalation	Rat	11.8 Mg/l	4 h
Remarks - Dermal:	No applicable toxicity data			
Conclusion/Summary	: Mixtu	re.Not fully tested.		

#### **Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium dioxide	Skin - Mild irritant	Human		72 hrs	-
Styrene	Eyes - Mild	Human			-
	irritant Skin - Mild	Rabbit			-
	irritant	D 11.			
	Skin - Moderate irritant	Rabbit			-
	Eyes - Severe irritant	Rabbit			-
	Eyes - Moderate	Rabbit		24 hrs	-

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Conclusion/Summary       :       Mixture :Not fully tested.         Skin       :       Mixture:Not fully tested.         Respiratory       :       Mixture.Not fully tested.         Sensitization       :       Conclusion/Summary         Skin       :       Mixture.Not fully tested.         Respiratory       :       Mixture.Not fully tested.         Respiratory       :       Mixture.Not fully tested.         Mutagenicity       :       Mixture.Not fully tested.         Conclusion/Summary       :       Mixture.Not fully tested.         Carcinogenicity       :       Conclusion/Summary       :         Conclusion/Summary       :       Mixture.Not fully tested.       :         Classification       :       :       :       :         Product/ingredient name       OSHA       IARC       NTP       :         Titanium dioxide       -       :       2B       Reasonably anticipated to be a human carcinogen.         Styrene       -       :       2B       Reasonably anticipated to be a human carcinogen.         Reproductive toxicity       :       :       Mixture.Not fully tested.         Conclusion/Summary       :       Mixture.Not fully tested.         Specific target or		irritant				
Skin       :       Mixture.Not fully tested.         Eyes       :       Mixture.Not fully tested.         Respiratory       :       Mixture.Not fully tested.         Skin       :       Mixture.Not fully tested.         Respiratory       :       Mixture.Not fully tested.         Skin       :       Mixture.Not fully tested.         Respiratory       :       Mixture.Not fully tested.         Mutagenicity       :       Mixture.Not fully tested.         Conclusion/Summary       :       Mixture.Not fully tested.         Carcinogenicity       :       Mixture.Not fully tested.         Conclusion/Summary       :       Mixture.Not fully tested.         Classification       :       Image: Stree       :         Venductingredient name       OSHA       IARC       NTP         Titanium dioxide       :       :       :         Styrene       :       2B       :       :         Conclusion/Summary       :       Mixture.Not fully tested.       :         Eratogenicity       :       :       :       :         Conclusion/Summary       :       Mixture.Not fully tested.       :         Specific target organ toxicity (single exposure)       : <th>Conclusion/Summary</th> <th></th> <th></th> <th></th> <th></th> <th></th>	Conclusion/Summary					
Eyes       :       Mixture.Not fully tested.         Respiratory       :       Mixture.Not fully tested.         Sensitization       :       Mixture.Not fully tested.         Conclusion/Summary       :       Mixture.Not fully tested.         Respiratory       :       Mixture.Not fully tested.         Mutagenicity       :       Mixture.Not fully tested.         Conclusion/Summary       :       Mixture.Not fully tested.         Carcinogenicity       :       Mixture.Not fully tested.         Carcinogenicity       :       Mixture.Not fully tested.         Cassification       :       Mixture.Not fully tested.         Classification       :       :         Product/ingredient name       OSHA       IARC       NTP         Titanium dioxide       -       :       2B       .         Styrene       :       :       Reasonably anticipated to be a human carcinogen.         Reproductive toxicity       :       :       :       :         Conclusion/Summary       :       :       Mixture.Not fully tested.         Teratogenicity       :       :       Mixture.Not fully tested.         Specific target organ toxicity (single exposure)       :       Not available.		:	Mixture.Not full	y tested.		
Sensitization         Conclusion/Summary         Skin       :         Mixture.Not fully tested.         Mutagenicity         Conclusion/Summary       :         Mixture.Not fully tested.         Classification         Product/ingredient name       OSHA         1ARC       NTP         Titanium dioxide       :         2B       :         Reproductive toxicity       :         Conclusion/Summary       :         Mixture.Not fully tested.         Conclusion/Summary       :         Mixture.Not fully tested.         Conclusion/Summary       :         Mixture.Not fully tested.         Specific target organ toxicity (single exposure) Not available.         Specific target organ toxicity (repeated exposure) Not available.         Not available.         Information on likely routes of       :         Not available.	Eyes	:	Mixture.Not full	y tested.		
Conclusion/Summary       Skin       :       Mixture.Not fully tested.         Respiratory       :       Mixture.Not fully tested.         Mutagenicity       Conclusion/Summary       :       Mixture.Not fully tested.         Carcinogenicity       Conclusion/Summary       :       Mixture.Not fully tested.         Carcinogenicity       Conclusion/Summary       :       Mixture.Not fully tested.         Classification       Value       Value       Value         Product/ingredient name       OSHA       IARC       NTP         Titanium dioxide       -       2B       -         Styrene       -       2B       Reasonably anticipated to be a human carcinogen.         Reproductive toxicity       ZB       Reasonably anticipated to be a human carcinogen.         Reproductive toxicity       Mixture.Not fully tested.       Conclusion/Summary       :       Mixture.Not fully tested.         Conclusion/Summary       :       Mixture.Not fully tested.       Specific target organ toxicity (repeated exposure)       Not available.         Not available.       Specific target organ toxicity (repeated exposure)       Not available.       Not available.         Information on likely routes of       :       Not available.       Not available.       Not available.	Respiratory	:	Mixture.Not full	y tested.		
Skin       :       Mixture.Not fully tested.         Respiratory       :       Mixture.Not fully tested.         Mutagenicity       :       Mixture.Not fully tested.         Conclusion/Summary       :       Mixture.Not fully tested.         Carcinogenicity       :       Mixture.Not fully tested.         Conclusion/Summary       :       Mixture.Not fully tested.         Classification       :       Mixture.Not fully tested.         Titanium dioxide       -       :         -       :       2B         Reproductive toxicity       :       Reasonably anticipated to be a human carcinogen.         Reproductive toxicity       :       :         Conclusion/Summary       :       Mixture.Not fully tested.         Teratogenicity       :       Mixture.Not fully tested.         Conclusion/Summary       :       Mixture.Not fully tested.         Specific target organ toxicity (single exposure)       Not available.         Not available.       :       Mixture.Not fully tested.         Specific target organ toxicity (repeated exposure)       Not available.         Not available.       :       Not available.         Information on likely routes of       :       Not available.	<b>Sensitization</b>					
Skin       :       Mixture.Not fully tested.         Respiratory       :       Mixture.Not fully tested.         Mutagenicity       :       Mixture.Not fully tested.         Conclusion/Summary       :       Mixture.Not fully tested.         Carcinogenicity       :       Mixture.Not fully tested.         Conclusion/Summary       :       Mixture.Not fully tested.         Classification       :       Mixture.Not fully tested.         Titanium dioxide       -       :         -       :       2B         Reproductive toxicity       :       Reasonably anticipated to be a human carcinogen.         Reproductive toxicity       :       :         Conclusion/Summary       :       Mixture.Not fully tested.         Teratogenicity       :       Mixture.Not fully tested.         Conclusion/Summary       :       Mixture.Not fully tested.         Specific target organ toxicity (single exposure)       Not available.         Not available.       :       Mixture.Not fully tested.         Specific target organ toxicity (repeated exposure)       Not available.         Not available.       :       Not available.         Information on likely routes of       :       Not available.	Conclusion/Summary					
Mutagenicity         Conclusion/Summary       :       Mixture.Not fully tested.         Carcinogenicity         Conclusion/Summary       :       Mixture.Not fully tested.         Classification <u>Product/ingredient name</u> OSHA       IARC         Net are an equivalent of the equivalent of t		:				
Conclusion/Summary       : Mixture.Not fully tested.         Carcinogenicity         Conclusion/Summary       : Mixture.Not fully tested.         Classification <u>Product/ingredient name</u> OSHA IARC NTP          Titanium dioxide       -         2B       -         Styrene       -         2B       Reasonably anticipated to be a human carcinogen.         Reproductive toxicity         Conclusion/Summary       : Mixture.Not fully tested.         Teratogenicity         Conclusion/Summary       : Mixture.Not fully tested.         Specific target organ toxicity (single exposure) Not available.         Specific target organ toxicity (repeated exposure) Not available.         Not available.         Aspiration hazard Not available.         Information on likely routes of       : Not available.	Respiratory	:	Mixture.Not full	y tested.		
Carcinogenicity       r       Mixture.Not fully tested.         Classification       IARC       NTP         Titanium dioxide       -       2B       -         Styrene       -       2B       -         Styrene       -       2B       -         Conclusion/Summary       r       Mixture.Not fully tested.         Conclusion/Summary       r       Mixture.Not fully tested.         Teratogenicity       r       Mixture.Not fully tested.         Conclusion/Summary       r       Mixture.Not fully tested.         Specific target organ toxicity (single exposure) Not available.       Not available.         Specific target organ toxicity (repeated exposure) Not available.       Not available.         Information on likely routes of       r       Not available.	<u>Mutagenicity</u>					
Conclusion/Summary       : Mixture.Not fully tested.         Classification         Product/ingredient name       OSHA         IARC       NTP         Titanium dioxide       -         2B       -         Styrene       -         2B       Reasonably anticipated to be a human carcinogen.         Reproductive toxicity       Conclusion/Summary         Conclusion/Summary       : Mixture.Not fully tested.         Teratogenicity       Conclusion/Summary         Conclusion/Summary       : Mixture.Not fully tested.         Specific target organ toxicity (single exposure) Not available.         Specific target organ toxicity (repeated exposure) Not available.         Mot available.         Information on likely routes of       : Not available.	Conclusion/Summary	:	Mixture.Not full	y tested.		
Classification         Product/ingredient name       OSHA       IARC       NTP         Titanium dioxide       -       2B       -         Styrene       -       2B       Reasonably anticipated to be a human carcinogen.         Reproductive toxicity       Conclusion/Summary       :       Mixture.Not fully tested.         Teratogenicity       Conclusion/Summary       :       Mixture.Not fully tested.         Specific target organ toxicity (single exposure) Not available.       Not available.       Specific target organ toxicity (repeated exposure) Not available.         Information on likely routes of       :       Not available.	<b>Carcinogenicity</b>					
Product/ingredient name       OSHA       IARC       NTP         Titanium dioxide       -       2B       -         Styrene       -       2B       Reasonably anticipated to be a human carcinogen.         Reproductive toxicity       Conclusion/Summary       :       Mixture.Not fully tested.         Teratogenicity       Conclusion/Summary       :       Mixture.Not fully tested.         Specific target organ toxicity (single exposure) Not available.       Not available.       Specific target organ toxicity (repeated exposure) Not available.         Mot available.       Information on likely routes of       :       Not available.	Conclusion/Summary	:	Mixture.Not full	y tested.		
Titanium dioxide       -       2B       -         Styrene       -       2B       Reasonably anticipated to be a human carcinogen.         Reproductive toxicity       Conclusion/Summary       :       Mixture.Not fully tested.         Teratogenicity       Conclusion/Summary       :       Mixture.Not fully tested.         Specific target organ toxicity (single exposure)       Not available.       Specific target organ toxicity (repeated exposure)         Not available.       Mot available.       Specific target organ toxicity (repeated exposure)         Not available.       Information on likely routes of :       Not available.	<b>Classification</b>					
Styrene       -       2B       Reasonably anticipated to be a human carcinogen.         Reproductive toxicity       Conclusion/Summary       :       Mixture.Not fully tested.         Teratogenicity       Conclusion/Summary       :       Mixture.Not fully tested.         Specific target organ toxicity (single exposure) Not available.       Mixture.Not fully tested.         Specific target organ toxicity (repeated exposure) Not available.       Not available.         Aspiration hazard Not available.       Not available.         Information on likely routes of       :       Not available.		OSHA	IARC	NTP		
Reproductive toxicity         Conclusion/Summary       :         Mixture.Not fully tested.         Teratogenicity         Conclusion/Summary       :         Mixture.Not fully tested.         Specific target organ toxicity (single exposure)         Not available.         Specific target organ toxicity (repeated exposure)         Not available.         Information on likely routes of       :         Not available.	Titanium dioxide	-	2B	-		
Conclusion/Summary       : Mixture.Not fully tested.         Teratogenicity	Styrene		2B	Reasonabl	y anticipated to	be a human carcinogen.
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 likely routes of       : Not available.	<b><u>Reproductive toxicity</u></b>					
Conclusion/Summary       : Mixture.Not fully tested.         Specific target organ toxicity (single exposure) Not available.       :: Not available.         Specific target organ toxicity (repeated exposure) Not available.       :: Not available.         Aspiration hazard Not available.       :: Not available.         Information on likely routes of       : Not available.	Conclusion/Summary	:	Mixture.Not full	y tested.		
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Not available.         Specific target organ toxicity (repeated exposure) Not available.         Aspiration hazard Not available.         Information on likely routes of : Not available.						
Not available.         Aspiration hazard         Not available.         Information on likely routes of       : Not available.	Conclusion/Summary	:	Mixture.Not full	y tested.		
Not available.         Information on likely routes of       : Not available.	Specific target organ toxicity			y tested.		
	Specific target organ toxicity Not available. Specific target organ toxicity	<u>(single expo</u>	<u>sure)</u>	y tested.		
	<ul> <li>Specific target organ toxicity Not available.</li> <li>Specific target organ toxicity Not available.</li> <li>Aspiration hazard</li> </ul>	<u>(single expo</u>	<u>sure)</u>	y tested.		
	<ul> <li>Specific target organ toxicity Not available.</li> <li>Specific target organ toxicity Not available.</li> <li>Aspiration hazard Not available.</li> <li>Information on likely routes</li> </ul>	<u>(single expo</u>	<u>sure)</u> xposure)	y tested.		

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#### Potential acute health effects

Eye contact	:	No known significant effects or critical hazards.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	No known significant effects or critical hazards.
Ingestion	:	No known significant effects or critical hazards.

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

Eye contact	:	No specific data.
Inhalation	:	No specific data.
Skin contact	:	No specific data.
Ingestion	:	No specific data.

#### Delayed and immediate effects as well as 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	:	No known significant effects or critical hazards.
Carcinogenicity	:	No known significant effects or critical hazards.
Mutagenicity	:	No known significant effects or critical hazards.
Teratogenicity	:	No known significant effects or critical hazards.
Developmental effects	:	No known significant effects or critical hazards.
Fertility effects	:	No known significant effects or critical hazards.
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#### Numerical measures of toxicity

#### Acute toxicity estimates

Not available.



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### Section 12. Ecological information

#### **Toxicity**

Product/ingredient name	Result	Species	Exposure
Titanium dioxide			
	Acute LC50 > 1,000 Mg/l Marine	Fish - Fish	96 h
	water		
Remarks - Acute - Fish:	Acute		
	Acute LC50 3 Mg/l Fresh water	Aquatic invertebrates.	48 h
		Crustaceans	
Remarks - Acute - Aquatic	Acute		
invertebrates.:			
	Acute LC50 6.5 Mg/l Fresh water	Aquatic invertebrates.	48 h
		Daphnia	
Remarks - Acute - Aquatic	Acute		
invertebrates.:			
Remarks - Acute - Aquatic	No applicable toxicity data		
plants:			
Remarks - Chronic - Fish:	No applicable toxicity data		
Remarks - Chronic -	No applicable toxicity data		
Aquatic invertebrates.:			
Styrene			
	Acute LC50 4.02 Mg/l Fresh water	Fish - Fish	96 h
Remarks - Acute - Fish:	Acute		
	Acute EC50 0.0047 Mg/l Fresh	Aquatic invertebrates.	48 h
	water	Daphnia	
Remarks - Acute - Aquatic	Acute		
invertebrates.:			
	Acute LC50 52 Mg/l Marine water	Aquatic invertebrates.	48 h
		Crustaceans	
Remarks - Acute - Aquatic	Acute		
invertebrates.:		1	-
	Acute EC50 1.4 Mg/l Fresh water	Aquatic plants - Algae	72 h
Remarks - Acute - Aquatic	Acute		
plants:		1	
	Acute EC50 0.72 Mg/l Fresh water	Aquatic plants - Algae	96 h
Remarks - Acute - Aquatic	Acute		
plants:			-
	Acute NOEC 0.063 Mg/l Fresh	Aquatic plants - Algae	96 h
	water		
Remarks - Acute - Aquatic	Chronic		
plants:			
Remarks - Chronic - Fish:	No applicable toxicity data		
	44/47		



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Remarks - Chronic -	No applicable toxicity data
Aquatic invertebrates.:	
GEON HTX LA425 GRAY (#	11136269)
Remarks - Acute - Aquatic	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	<u>/</u>
Conclusion/Summary	: Chemicals are not readily available as they are bound within the polymer matrix.

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
Styrene	0.35	13.49	low

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

Soil/water partition coefficient	:	Not available.
(KOC) Other adverse effects		No known significant effects or critical hazards.
Other adverse encets	•	No known significant crieets of 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



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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
	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(d) - Health and safety studies: Not listed
	United States - EPA Clean water act (CWA) section 307 - Priority
	pollutants: Listed Vinyl chloride monomer
	Ethyl benzene
	Acrylonitrile
	Rutile, antimony chromium buff





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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 : Clean Air Act Section 602 Class II Not listed : **DEA List I Chemicals (Precursor** : Not listed **DEA List II Chemicals (Essential** Not listed •

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

not applicable

#### SARA 311/312

Substances

Substances

**Chemicals**)

**Chemicals**)

Classification

Not applicable.

:

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

No products were found.

Name	%	Classification
Titanium dioxide	>= 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

#### SARA 313

#### Form R - Reporting requirements

Product name	CAS number	%
	0110	7.5



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Styrene	100-42-5	> 0 - <= 0.3

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.

<u>State regulations</u> Massachusetts		None of the components are listed.
	:	1
New York	:	The following components are listed: Styrene
New Jersey	:	The following components are listed: Styrene Titanium dioxide Ethene, chloro-, homopolymer
Pennsylvania	:	The following components are listed: Styrene
		Titanium dioxide

#### California Prop. 65

**WARNING:** This product can expose you to chemicals including Styrene, 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		
<u>Inventory list</u>		
Australia	:	Not determined.
Canada	:	All components are listed or exempted.
China	:	Not determined.
Europe inventory	:	Not determined.
Japan	:	Not determined.
New Zealand	:	Not determined.
Philippines	:	Not determined.
Republic of Korea	:	Not determined.

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

<b>Histor</b>		
Date of printing	:	12/19/2024
Date of issue/Date of revision	:	11/09/2019
Date of previous issue	:	02/18/2019
Version	:	1.2
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.



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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.



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