### CARDINAL RED HELMET ABS

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# SAFETY DATA SHEET

### CARDINAL RED HELMET ABS

Section 1. Identification	on	
GHS product identifier	:	CARDINAL RED HELMET ABS
Chemical name	:	Mixture
CAS number	:	Mixture
Other means of identification	:	CC10293444
Product type	:	solid
<u>Relevant identified uses of the subs</u> Product use	stance :	e or mixture and uses advised against Industrial applications. Plastics.
Supplier's details	:	POLYONE CORPORATION
		33587 Walker Road, Avon Lake, OH 44012
		1 (440) 930-1000 or 1 (866) POLYONE
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.
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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.

# Section 3. Composition/information on ingredients

:

Substance/mixture	:	Mixture
Chemical name	:	Mixture
Other means of identification	:	CC10293444

CAS number/other identifiers

Ingredient name	%	CAS number
2-Propenenitrile, polymer with Ethenylbenzene	25 - 50	9003-54-7
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

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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. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

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

Potential acute health effects		
Eye contact	:	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 att	entio	on 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. 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 decomposition products	:	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen 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	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

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Large spill

licensed waste disposal contractor.

Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

# **Section 7. Handling and storage**

#### Precautions for safe handling

Protective measures 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	
Styrene	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	
	NIOSH REL (1994-06-01)	



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Titanium dioxide       OSHA PEL (1989 (1989-03-01)         TWA 15 mg/m3 Form: Total dust         OSHA PEL (1993-06-30)         TWA 15 mg/m3 Form: Total dust         ACGHT HTV (1996-05-18)         TWA 10 mg/m3         Z-Propenenitrile, polymer with         Ethenylbenzene         Appropriate engineering controls         :       Good general ventilation should be sufficient to control worker exposure to airborne contaminants.         Environmental exposure controls       :         Good general ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection measures 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 usations 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. </th <th></th> <th>TWA 215 mg/m3 50 ppm STEL 425 mg/m3 100 ppm ACGIH TLV (1997-05-21) TWA 85 mg/m3 20 ppm STEL 170 mg/m3 40 ppm</th>		TWA 215 mg/m3 50 ppm STEL 425 mg/m3 100 ppm ACGIH TLV (1997-05-21) TWA 85 mg/m3 20 ppm STEL 170 mg/m3 40 ppm
EthenylbenzeneAppropriate 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 eyeware 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 	Titanium dioxide	OSHA PEL (1993-06-30) TWA 15 mg/m3 Form: Total dust ACGIH TLV (1996-05-18)
Environmental exposure controlsexposure 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 		None.
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: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:Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment for the body should be selected based on the task being performed and the risks involved and should be	Appropriate engineering controls	
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: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:Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products on the task being performed and the risks involved and should be	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
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:Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products 	Individual protection measures	
<ul> <li>when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.</li> <li>Skin protection         <ul> <li>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.</li> <li>Body protection</li> <li>Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be</li> </ul> </li> </ul>	Hygiene measures	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.
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	Eye/face protection	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
<ul> <li>standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.</li> <li>Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be</li> </ul>	Skin protection	
<b>Body protection</b> : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be	Hand protection	standard should be worn at all times when handling chemical products
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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	:	solid [Pellets.]
Color	:	RED
Odor	:	Faint odor.
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	:	insoluble in water.
Partition coefficient: n- octanol/water	:	Not available.
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
SADT	:	Not available.
Viscosity	:	Dynamic: Not available.
		Kinematic: Not available.

# Section 10. Stability and reactivity

:

Reactivity

No specific test data related to reactivity available for this product or



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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

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

Ethenylbenzene			Exposure
Luichyroenzene		·	
LD50 Oral	Rat	1,800 mg/kg	-
No applicable toxic	city data		
No applicable toxic	city data		
No applicable toxic	city data		
LC50 Inhalation	Rat - Male	6.82 Mg/l	4 h
LD50 Dermal	Rabbit	> 5,000 mg/kg	-
LD50 Oral	Rat	2,650 mg/kg	-
LC50 Inhalation	Rat	2,770 ppm	4 h
LC50 Inhalation	Rat	11.8 Mg/l	4 h
No applicable toxic	city data		
	No applicable toxic No applicable toxic LC50 Inhalation LD50 Dermal LD50 Oral LC50 Inhalation LC50 Inhalation No applicable toxic	No applicable toxicity data No applicable toxicity data No applicable toxicity data LC50 Inhalation Rat - Male LD50 Dermal Rabbit LD50 Oral Rat LC50 Inhalation Rat	No applicable toxicity data         No applicable toxicity data         No applicable toxicity data         LC50 Inhalation       Rat - Male         6.82 Mg/l         LD50 Dermal       Rabbit         Volume       Solution         LD50 Oral       Rat         2,650 mg/kg         LC50 Inhalation       Rat         2,770 ppm         LC50 Inhalation       Rat         11.8 Mg/l         No applicable toxicity data

**Conclusion/Summary** 

: Mixture.Not fully tested.

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium dioxide	Skin - Mild irritant	Human		72 hrs	-
Styrene	Eyes - Mild irritant	Human			-
	Skin - Mild	Rabbit			-



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	irritant				
	Skin - Moderate	Rabbit			-
	irritant				
	Eyes - Severe irritant	Rabbit			-
	Eyes -	Rabbit		24 hrs	-
	Moderate				
Conclusion/Summons	irritant				
Conclusion/Summary Skin	: M	ixture.Not fully	v tested.		
Eyes		ixture.Not fully			
Respiratory	: M	ixture.Not fully	tested.		
<b>Sensitization</b>					
Conclusion/Summary					
Skin		ixture.Not fully			
Respiratory	: M	ixture.Not fully	v tested.		
<u>Mutagenicity</u>					
Conclusion/Summary	: M	ixture.Not fully	v tested.		
<u>Carcinogenicity</u>					
Conclusion/Summary <u>Classification</u>	: M	ixture.Not fully	tested.		
Product/ingredient	OSHA	IARC	NTP		
name					
2-Propenenitrile, polymer		3			
with Ethenylbenzene Titanium dioxide		2B			
Styrene		2B 2B			
	•	1			
<b><u>Reproductive toxicity</u></b>					
Conclusion/Summary	: M	ixture.Not fully	tested.		
<u>Teratogenicity</u>					
Conclusion/Summary	: Mixture.Not fully tested.				
Specific target organ toxicity (single exposure) Not available.					

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Specific target organ toxicity (rependent) Not available.	eated o	exposure)
Aspiration hazard Not available.		
Information on likely routes of exposure	:	Not available.
Potential acute health effects		
Eye contact Inhalation Skin contact Ingestion	:	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Symptoms related to the physical,	chemi	cal and toxicological characteristics
Eye contact Inhalation Skin contact Ingestion	::	No specific data. No specific data. No specific data. No specific data.
Delayed and immediate effects as v Short term exposure	vell as	chronic effects from short and long-term exposure
Potential immediate effects Potential delayed effects	:	Not available. Not available.
Long term exposure		
Potential immediate effects Potential delayed effects	:	Not available. Not available.
Potential chronic health effects		
Conclusion/Summary	:	Mixture.Not fully tested.
General Carcinogenicity Mutagenicity Teratogenicity Developmental effects	:	No known significant effects or critical hazards. No known significant effects or critical hazards.

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**Fertility effects** 

: No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

# Section 12. Ecological information

**Toxicity** 

Product/ingredient name	Result	Species	Exposure
2-Propenenitrile, polymer with	Ethenylbenzene		
<b>Remarks - Acute - Fish:</b>	No applicable toxicity data		
Remarks - Acute - Aquatic invertebrates.:	No applicable toxicity data		
Remarks - Acute - Aquatic plants:	No applicable toxicity data		
Remarks - Chronic - Fish:	No applicable toxicity data		
Remarks - Chronic - Aquatic invertebrates.:	No applicable toxicity data		
Titanium dioxide			
	Acute LC50 > 1,000 Mg/l Marine water	Fish - Fish	96 h
Remarks - Acute - Fish:	Acute		
	Acute LC50 3 Mg/l Fresh water	Aquatic invertebrates. Crustaceans	48 h
Remarks - Acute - Aquatic invertebrates.:	Acute		
	Acute LC50 6.5 Mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h
Remarks - Acute - Aquatic invertebrates.:	Acute	· •	
Remarks - Acute - Aquatic plants:	No applicable toxicity data		
Remarks - Chronic - Fish:	No applicable toxicity data		
Remarks - Chronic - Aquatic invertebrates.:	No applicable toxicity data		
Styrene	·		
	Acute LC50 4.02 Mg/l Fresh water	Fish - Fish	96 h
Remarks - Acute - Fish:	Acute		
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	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:		1		
	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			
Remarks - Chronic -	No applicable toxicity data			
Aquatic invertebrates.:				
CARDINAL RED HELMET A				
Remarks - Acute - Aquatic	Chemicals are not readily available a	as they are bound within the	e polymer matrix.	
invertebrates.:				
<b>Conclusion/Summary</b>	: Chemicals are not readily available as they are bound within the			
	polymer matrix.			
Persistence and degradability	<u>v</u>			
		L	· 1 ···· 1 d	
Conclusion/Summary		ly available as they are bou	nd within the	
	polymer matrix.			
Conclusion/Summary	: Chemicals are not readi	ly available as they are bou	nd within the	
Conclusion/Summary	: Chemicals are not readily available as they are bound within the polymer matrix.			
	porymer maurix.			

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
Styrene	0.35	13.49	low

#### **Mobility in soil**

Soil/water partition coefficient

:

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(KOC) Other adverse effects

: No known significant effects or critical hazards.

### Section 13. Disposal considerations

**Disposal methods** 

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

United States - RCRA Acute hazardous waste "P" List: Not listed

United States - RCRA Toxic hazardous waste "U" List: Not listed

## Section 14. Transport information

U.S.DOT 49CFR Ground/Air/Water	:	Not regulated for transportation.
International Air ICAO/IATA	:	Not classified as dangerous goods under transport regulations.
International Water IMO/IMDG	:	Not classified as dangerous goods under transport regulations.

# Section 15. Regulatory information

U.S. Federal regulations	: United States - TSCA 12(b) - Chemical export notification: None of the components are listed.
	United States - TSCA 4(a) - Final Test Rules: 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
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	- TSCA 5(a)2 - F	'inal significant new use r	ules: No
listed		han and similiant norm	
Not listed	-15CA 5(a)2 - P	roposed significant new	use rules
1.00 110000	TSCA 5(a) Su	hatanaaa aanaant andan	Not listor
		bstances consent order: risk management: Not 1	
		osed risk management: 1	
		nemical risk rules: Not li	
		oxin/Furane precusor: N	
		nemical Data Reporting (	
determined	- 15CA 0(a) - CI	Kinicai Data Kepolung (	CDR). I
acterimitea	- TSCA 8(a) - Pr	eliminary assessment rep	ort
(PAIR): Not		children y assessment rep	, or t
· /		gnificant adverse reaction	(SAR):
Not listed			
United States	- TSCA 8(d) - He	ealth and safety studies:	Not listed
		ter act (CWA) section 30'	
	isted Acrylonitr		
United States	- EPA Clean wat	ter act (CWA) section 31	1 -
	<b>ibstances:</b> Listed		-
United States	- EPA Clean air	act (CAA) section 112 - A	Accidenta
		e substances: Not listed	
		act (CAA) section 112 - A	Accidenta
		stances: Not listed	
		commerce - Precursor ch	nemical:
Not listed	-		

Clean Air Act Section 112(b)	:	Listed
Hazardous Air Pollutants (HAPs)		
Clean Air Act Section 602 Class I	:	Not listed
Substances Clean Air Act Section 602 Class II		Not listed
Substances	•	Not listed
DEA List I Chemicals (Precursor	:	Not listed
Chemicals)		
DEA List II Chemicals (Essential	:	Not listed
Chemicals)		

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

not applicable

### SARA 311/312

Classification

Not applicable.

:



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

No products were found.

Name	%	Classification
2-Propenenitrile, polymer with Ethenylbenzene	>= 25 - <= 50	Immediate (acute) health hazard
Titanium dioxide	>= 5 - <= 10	Delayed (chronic) health hazard
Styrene	> 0 - <= 0.3	Fire hazard - Immediate (acute) health hazard - Delayed (chronic) health hazard

#### SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	Styrene	100-42-5	0 - 0.3
Supplier notification	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.

State regulations		
Massachusetts	: None of the compo	nents are listed.
New York	: The following comp Styrene	ponents are listed:
New Jersey	: The following comp 2-Propenenitrile, p Titanium dioxide Styrene	ponents are listed: polymer with Ethenylbenzene
Pennsylvania	: The following comp Styrene	ponents are listed:
	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	No.	No.
Styrene	Yes.	No.

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United States inventory (TSCA 8b)	:	All components are listed or exempted.
Canada inventory	:	All components are listed or exempted.
International regulations		
Inventory list		
Australia	:	All components are listed or exempted.
Canada	:	All components are listed or exempted.
China	:	All components are listed or exempted.
Europe inventory	:	All components are listed or exempted.
Japan	:	Not determined.
New Zealand	:	All components are listed or exempted.
Philippines	:	All components are listed or exempted.
Republic of Korea	:	All components are listed or exempted.
Taiwan	:	All components are listed or exempted.
Turkey	:	Not determined.
United States	:	All components are listed 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

<u>Histor</u>		
Date of printing	:	12/06/2018
Date of issue/Date of revision	:	11/30/2018
Date of previous issue	:	00/00/0000
Version	:	1.0



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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 = International Air Transport Association IBC = 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

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