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SAFETY DATA SHEET

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Section 1. Identification	on	
CUS product identifier		ELEPHANT GRAY 966999 HIPS
GHS product identifier Chemical name		Mixture
CAS number	:	Mixture
	•	
Other means of identification	:	CC10219563
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	:	CC10219563

CAS number/other identifiers

Ingredient name	%	CAS number
Styrene-Butadiene polymer	25 - 50	9003-55-8
Titanium dioxide	25 - 50	13463-67-7
Silica, amorphous	1 - 3	7631-86-9
Carbon black	0.3 - 1	1333-86-4

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. 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 healt	h 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.
C		

Over-exposure signs/symptoms

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

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	:	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	:	No specific treatment.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training.

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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 $\rm CO_2$. 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 containment and cleaning up		
Small spill	:	Move containers from spill area. Vacuum or sweep up material and

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Large spill

place in a designated, labeled waste container. Dispose of via a 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	
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 TWA 0.1 mgPAH/m ³	



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	ACGIH TLV (2010-12-06) TWA 3 mg/m3 Form: Inhalable fraction
Silica, amorphous	NIOSH REL (1994-06-01) TWA 6 mg/m3
Styrene-Butadiene polymer	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 (1996-05-18) TWA 10 mg/m3
Appropriate engineering controls	Good general ventilation should be sufficient to control worker
Environmental exposure controls	exposure to airborne contaminants. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Individual protection measures	
	 Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
Skin protection	
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.
	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

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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	:	GREY
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.
The second		
(flammable) limits		Upper: Not available.
	:	Upper: Not available. Not available.
(flammable) limits	:	••
(flammable) limits Vapor pressure	:	Not available.
(flammable) limits Vapor pressure Vapor density	:	Not available. Not available.
(flammable) limits Vapor pressure Vapor density Relative density	:	Not available. Not available. Not available.
(flammable) limits Vapor pressure Vapor density Relative density Solubility	:	Not available. Not available. Not available. Not available.
(flammable) limits Vapor pressure Vapor density Relative density Solubility Solubility in water	: : : : : : : : : : : : : : : : : : : :	Not available. Not available. Not available. Not available. insoluble in water.
(flammable) limits Vapor pressure Vapor density Relative density Solubility Solubility in water Partition coefficient: n-	: : : : : : : : : : : : : : : : : : : :	Not available. Not available. Not available. Not available. insoluble in water.
(flammable) limits Vapor pressure Vapor density Relative density Solubility Solubility in water Partition coefficient: n- octanol/water	:	Not available. Not available. Not available. Not available. insoluble in water. Not available.
(flammable) limits Vapor pressure Vapor density Relative density Solubility Solubility in water Partition coefficient: n- octanol/water Auto-ignition temperature	:	Not available. Not available. Not available. Not available. insoluble in water. Not available. Not available.
(flammable) limits Vapor pressure Vapor density Relative density Solubility Solubility in water Partition coefficient: n- octanol/water Auto-ignition temperature Decomposition temperature		Not available. Not available. Not available. Not available. insoluble in water. Not available. Not available. Not available.

Kinematic: Not available.

Section 10. Stability and reactivity

:

Reactivity

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



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Chemical stability	:	Stable under recommended storage and handling conditions (see Section 7).
Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid Incompatible materials	:	Keep away from extreme heat and oxidizing agents. Keep away from strong acids. Oxidizer.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

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		
Carbon black						
	LD50 Oral	Rat	15,400 mg/kg	-		
Remarks - Inhalation:	No applicable toxicity data					
Remarks - Dermal:	No applicable toxi	No applicable toxicity data				
Silica, amorphous						
Remarks - Oral:	No applicable toxi	city data				
Remarks - Inhalation:	No applicable toxi	No applicable toxicity data				
Remarks - Dermal:	No applicable toxi	No applicable toxicity data				
Styrene-Butadiene polymer						
Remarks - Oral:	No applicable toxicity data					
Remarks - Inhalation:	No applicable toxicity data					
Remarks - Dermal:	No applicable toxicity data					
Titanium dioxide						
Remarks - Oral:	No applicable toxi	city data				
	LC50 Inhalation	Rat - Male	6.82 Mg/l	4 h		
	LD50 Dermal	Rabbit	> 5,000 mg/kg	-		
Conclusion/Summany	Minte	ra Not fully tosto	1			

Conclusion/Summary

: Mixture.Not fully tested.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Silica, amorphous	Eyes - Mild irritant	Rabbit		24 hrs	-



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Styrene-Butadiene polymer	Eyes - Mild	Rabbit		24 hrs	-
Titanium dioxide	irritant Skin - Mild	Illerence		72 has	
	Skin - Mild	Human		72 hrs	-
Conclusion/Summary				·	·
Skin		lixture.Not fully			
Eyes		lixture.Not fully			
Respiratory	: N	lixture.Not fully	y tested.		
Sensitization					
Conclusion/Summary					
Skin		lixture.Not fully			
Respiratory	: N	lixture.Not fully	y tested.		
Mutagenicity					
Conclusion/Summary	: N	lixture.Not fully	y tested.		
Carcinogenicity					
Conclusion/Summary	: N	lixture.Not fully	y tested.		
<u>Classification</u>					
Product/ingredient	OSHA	IARC	NTP		
name					
Carbon black		2B			
		3			
Silica, amorphous	-				
Styrene-Butadiene		3			
Styrene-Butadiene polymer					
Styrene-Butadiene		3 2B	_		
Styrene-Butadiene polymer					
Styrene-Butadiene polymer Titanium dioxide	: M		y tested.		
Styrene-Butadiene polymer Titanium dioxide Reproductive toxicity	: N	2B	y tested.		
Styrene-Butadiene polymer Titanium dioxide Reproductive toxicity Conclusion/Summary		2B			
Styrene-Butadiene polymer Titanium dioxide Reproductive toxicity Conclusion/Summary Teratogenicity	: M	2B Iixture.Not fully Iixture.Not fully			

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<u>Aspiration hazard</u> Not available.		
Information on likely routes of exposure	:	Not available.
Potential acute health effects		
Eye contact Inhalation	:	No known significant effects or critical hazards. 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, cl	nemi	cal 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 we	ell as	chronic effects from short and long-term exposure
Short torm ornegure		
Short term exposure		
Potential immediate effects	:	Not available.
	:	Not available. Not available.
Potential immediate effects	:	
Potential immediate effects Potential delayed effects	: :	
Potential immediate effects Potential delayed effects <u>Long term exposure</u>	:	Not available.
Potential immediate effects Potential delayed effects <u>Long term exposure</u> Potential immediate effects	:	Not available.
Potential immediate effects Potential delayed effects <u>Long term exposure</u> Potential immediate effects Potential delayed effects	:	Not available.
Potential immediate effects Potential delayed effects Long term exposure Potential immediate effects Potential delayed effects Potential chronic health effects Conclusion/Summary General	:	Not available. Not available. Not available. Mixture.Not fully tested. No known significant effects or critical hazards.
Potential immediate effects Potential delayed effects <u>Long term exposure</u> Potential immediate effects Potential delayed effects <u>Potential chronic health effects</u> Conclusion/Summary General Carcinogenicity	:	Not available. Not available. Not available. Mixture.Not fully tested. No known significant effects or critical hazards. No known significant effects or critical hazards.
Potential immediate effects Potential delayed effects <u>Long term exposure</u> Potential immediate effects Potential delayed effects <u>Potential chronic health effects</u> <u>Conclusion/Summary</u> General Carcinogenicity Mutagenicity	:	Not available. Not available. Not available. Mixture.Not fully tested. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Potential immediate effects Potential delayed effects Long term exposure Potential immediate effects Potential delayed effects Potential chronic health effects Conclusion/Summary General Carcinogenicity Mutagenicity Teratogenicity	· · · · · · · · · · · · · · · · · · ·	Not available. Not available. Not available. Mixture.Not fully tested. Mo known significant effects or critical hazards. No known significant effects or critical hazards.
Potential immediate effects Potential delayed effects <u>Long term exposure</u> Potential immediate effects Potential delayed effects <u>Potential chronic health effects</u> <u>Conclusion/Summary</u> General Carcinogenicity Mutagenicity	:	Not available. Not available. Not available. Mixture.Not fully tested. 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

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Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Carbon black			
Remarks - Acute - Fish:	No applicable toxicity data		
	Acute EC50 37.563 Mg/l Fresh	Aquatic invertebrates.	48 h
	water	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.:			
Silica, amorphous			
Remarks - Acute - Fish:	No applicable toxicity data		
Remarks - Acute - Aquatic	No applicable toxicity data		
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-Butadiene polymer			
Remarks - Acute - Fish:	No applicable toxicity data		
Remarks - Acute - Aquatic	No applicable toxicity data		
invertebrates.:			
Remarks - Acute - Aquatic	No applicable toxicity data		
plants:			
Remarks - Chronic - Fish:	No applicable toxicity data		
Remarks - Chronic -	No applicable toxicity data		
Aquatic invertebrates.:			
Titanium dioxide			1
	Acute LC50 > 1,000 Mg/l Marine	Fish - Fish	96 h
	water		



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Remarks - Acute - Fish:	Acute				
	Acute LC50 3 Mg/l Fr	esh water	Aquatic invertebrates. Crustaceans	48 h	
Remarks - Acute - Aquatic	Acute				
invertebrates.:					
	Acute LC50 6.5 Mg/l I	Fresh water	Aquatic invertebrates. Daphnia	48 h	
Remarks - Acute - Aquatic	Acute		Dupiniu		
invertebrates.:	Teute				
Remarks - Acute - Aquatic	No applicable toxicity	No applicable toxicity data			
plants:	11 2				
Remarks - Chronic - Fish:	No applicable toxicity	data			
Remarks - Chronic -	No applicable toxicity	data			
Aquatic invertebrates.:					
ELEPHANT GRAY 966999 H					
Remarks - Acute - Aquatic	Chemicals are not read	ily available a	as they are bound within the	e polymer matrix.	
invertebrates.:					
Conclusion/Summary			ly available as they are bou	nd within the	
	polymer n	hatrix.			
Persistence and degradability	<u>/</u>				
Conclusion/Summary	: Chemicals polymer n		ly available as they are bou	nd within the	
Conclusion/Summary	: Chemicals polymer n		ly available as they are bou	nd within the	
<u>Bioaccumulative potential</u> Not available.					
Mobility in soil					
Soil/water partition coefficie	ent : Not availa	ble.			
(KOC) Other adverse effects	: No known	significant ef	fects 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

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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
		United States - TSCA 5(a)2 - Final 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

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		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 - TSCA 5(a)2 - Proposed significant new use rules:
		Not listed
		United States - EPA Clean water act (CWA) section 307 - Priority
		pollutants: Listed Rutile, antimony chromium buff
		United States - EPA Clean water act (CWA) section 311 -
		Hazardous substances: Not 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
	:	Listed
s)	•	Listed
,		

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

US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

SARA 311/312

Classification

: Not applicable.

Composition/information on ingredients

Name	%	Classification
Carbon black	0.3 - 1	СН
Silica, amorphous	1 - 3	АН



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Styrene-Butadiene polymer	25 - 50	АН
Titanium dioxide	25 - 50	СН

<u>SARA 313</u>

Not applicable.

State regulations		
Massachusetts	:	None of the components are listed.
New York	:	None of the components are listed.
New Jersey	:	The following components are listed: Titanium dioxide Carbon black
Pennsylvania	:	The following components are listed: Carbon black
		Aluminum hydroxide
		Silica, amorphous
		Titanium dioxide

California Prop. 65

WARNING: This product can expose you to chemicals including Carbon black, 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.
Carbon black	No.	No.

United States inventory (TSCA 8b)	:	All components are listed or exempted.
Canada inventory	:	All components are listed or exempted.
International regulations		
<u>Inventory list</u>		
Australia	:	All components are listed or exempted.
Canada	:	All components are listed or exempted.
China	:	Not determined.
Europe inventory	:	All components are listed or exempted.

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Japan	:	All components are listed or exempted.
New Zealand	:	Not determined.
Philippines	:	Not determined.
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

History		
Date of printing	:	12/07/2018
Date of issue/Date of revision	:	11/05/2018
Date of previous issue	:	00/00/0000
Version	:	1.0
Key to abbreviations	:	ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate 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)
References	:	UN = United Nations Not available.
Notice to reader		

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