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SAFETY DATA SHEET

431 GREY M90UV

Section 1. Identification	on	
GHS product identifier	:	431 GREY M90UV
Chemical name	:	Mixture
CAS number	:	Mixture
Other means of identification	:	CC10258542
Product type	:	solid
<u>Relevant identified uses of the subs</u> Product use	tance:	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	:	CC10258542

CAS number/other identifiers

Ingredient name	%	CAS number
Titanium dioxide	10 - 25	13463-67-7
Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)-	5 - 10	25973-55-1
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

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 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.

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 $\rm CO_2$. None known.
Specific hazards arising from the chemical	:	No specific fire or explosion hazard.
Hazardous thermal decomposition products	:	If overheated or burnt, the polymer releases formaldehyde. Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides metal oxide/oxides
Special protective actions for fire- fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self- contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

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

a		
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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me

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
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
	ACGIH TLV (2010-12-06)

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	TWA 3 mg/m3 Form: Inhalable fraction
Phenol, 2-(2H-benzotriazol-2-yl)-4,6- bis(1,1-dimethylpropyl)-	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 exposure to airborne contaminants.
Environmental exposure controls :	
Individual protection measures	
Hygiene measures : Eye/face protection :	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.
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 :	

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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

Color:GREYOdor:Faint odor.Odor threshold:Not available.pH:Not available.Melting point:Not available.Boiling 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.Solubility:Not available.Solubility in water:Not available.Partition coefficient: n- octanol/water:Not available.	Physical state	:	solid [Pellets.]
Odor threshold:Not available.pH:Not available.Melting point:Not available.Boiling 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:Not available.Vapor pressure:Not available.Vapor density:Not available.Solubility:Not available.Solubility in water:Not available.Partition coefficient: n-:Not available.	•	:	GREY
pH:Not available.Melting point:Not available.Boiling 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.Solubility:Not available.Solubility in water:Not available.Partition coefficient: n-:Not available.	Odor	:	Faint odor.
Melting point:Not available.Boiling 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.Solubility:Not available.Solubility in water:Not available.Partition coefficient: n-:Not available.	Odor threshold	:	Not available.
Boiling 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) limitsUpper: Not available.Vapor pressure:Not available.Vapor density:Not available.Solubility:Not available.Solubility in water:Not available.Partition coefficient: n-:Not available.	рН	:	Not available.
Flash point:Not available.Burning time:Not available.Burning rate:Not available.Burning rate:Not available.Evaporation rate:Not available.Flammability (solid, gas):Not available.Lower and upper explosive:Lower: Not available.(flammable) limitsUpper: 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.	Melting 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) limitsUpper: Not available.Vapor pressure:Not available.Vapor density:Not available.Relative density:Not available.Solubility:Not available.Partition coefficient: n-:Not available.	Boiling point	:	Not available.
Burning rate:Not available.Evaporation rate:Not available.Flammability (solid, gas):Not available.Lower and upper explosive:Lower: Not available.(flammable) limitsUpper: Not available.Vapor pressure:Not available.Vapor density:Not available.Relative density:Not available.Solubility in water:Not available.Partition coefficient: n-:Not available.	Flash point	:	Not available.
Evaporation rate:Not available.Flammability (solid, gas):Not available.Lower and upper explosive:Lower: Not available.(flammable) limitsUpper: Not available.Vapor pressure:Not available.Vapor density:Not available.Relative density:Not available.Solubility in water:Not available.Partition coefficient: n-:Not available.	Burning time	:	Not available.
Flammability (solid, gas):Not available.Lower and upper explosive:Lower: Not available.(flammable) limitsUpper: 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.	Burning rate	:	Not available.
Lower and upper explosive (flammable) limits:Lower: Not available.(flammable) limitsUpper: Not available.Vapor pressure Vapor density:Not available.Vapor density Relative density:Not available.Solubility Solubility in water:Not available.Partition coefficient: n-:Not available.	Evaporation rate	:	Not available.
Initial of the second	Flammability (solid, gas)	:	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-:Not available.	Lower and upper explosive	:	Lower: Not available.
Vapor density:Not available.Relative density:Not available.Solubility:Not available.Solubility in water:insoluble in water.Partition coefficient: n-:Not available.	(flammable) limits		Upper: Not available.
Relative density:Not available.Solubility:Not available.Solubility in water:insoluble in water.Partition coefficient: n-:Not available.	Vapor pressure	:	Not available.
Solubility:Not available.Solubility in water:insoluble in water.Partition coefficient: n-:Not available.	Vapor density	:	Not available.
Solubility in water:insoluble in water.Partition coefficient: n-:Not available.	Relative density	:	Not available.
Partition coefficient: n- : Not available.	Solubility	:	Not available.
	Solubility in water	:	insoluble in water.
		:	Not available.
Auto-ignition temperature : Not available.	Auto-ignition temperature	:	Not available.
Decomposition temperature : Not available.	ē -	:	Not available.
SADT : Not available.		:	Not available.
Viscosity : Dynamic: Not available.	Viscosity	:	Dynamic: Not available.
Kinematic: 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.	
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	
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Conditions to avoid	:	not occur. Maintain polymer temperature below 230°C (446°F). Avoid prolonged exposure at or above recommended processing temperature.
Incompatible materials	:	Incompatible with strong oxidizers and with strong acids and bases (decomposes to form formaldehyde). At melt temperatures, acetal resins are incompatible with halogenated polymers such as vinyl (PVC) and any elastomers containing any halogenated polymers. At processing conditions, these materials are mutually destructive and involve rapid degradation. Even small amounts of such contaminants can cause sudden and spontaneous formaldehyde gas formation. Workplace fume well above threshold levels are a likely result. Unsafe pressurization of equipment such as extruder or mold can also result. Thoroughly purge and mechanically clean processing equipment to avoid even trace quantities of halogenated materials from coming in contact with the acetal. Prevent contamination of virgin or rework resin.
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 toxi	No applicable toxicity data				
Remarks - Dermal:	No applicable toxi	city data				
Phenol, 2-(2H-benzotriazol-2-	yl)-4,6-bis(1,1-dimet	hylpropyl)-				
Remarks - Oral:	No applicable toxi	No applicable toxicity data				
Remarks - Inhalation:	No applicable toxicity data					
Remarks - Dermal:	No applicable toxicity data					
Titanium dioxide						
Remarks - Oral:	No applicable toxicity data					
	LC50 Inhalation	Rat - Male	6.82 Mg/l	4 h		
	LD50 Dermal	Rabbit	> 5,000 mg/kg	-		
Conclusion/Summany	Minter	ro Not fully tosto	1			

Conclusion/Summary

: Mixture.Not fully tested.

Irritation/Corrosion



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Product/ingredient name	Result	Species	Score E	Exposure	Observation
Titanium dioxide	Skin - Mild irritant	Human	7	2 hrs	-
Conclusion/Summary Skin Eyes Respiratory	: M : M	l lixture.Not full lixture.Not full lixture.Not full	ly tested.		
Sensitization					
Conclusion/Summary Skin Respiratory		lixture.Not full lixture.Not full			
Mutagenicity					
Conclusion/Summary	: M	ixture.Not full	ly tested.		
Carcinogenicity					
Conclusion/Summary <u>Classification</u>	: M	ixture.Not full	ly tested.		
Product/ingredient name	OSHA	IARC	NTP		
Carbon black		2B			
Titanium dioxide		2B			
<u>Reproductive toxicity</u> Conclusion/Summary	: M	lixture.Not full	ly tested.		
<u>Teratogenicity</u>					
Conclusion/Summary	: M	lixture.Not full	ly tested.		
Specific target organ toxicity (single exposure) Not available.					
Specific target organ toxicit Product/ingredient name	Category		oute of exposure	Target or	aanc
Phenol, 2-(2H-benzotriazol-	Category 2		ralOral	kidneys	zans
2-yl)-4,6-bis(1,1-	Category 2		iaiOiai	liver	
dimethylpropyl)-				11 VCI	
anneuryipiopyi)-	1				

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Aspiration hazard Not available.		
Information on likely routes of exposure	:	Not available.
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,	chemio	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 offects as a		
Delayed and immediate effects as v	wen as	chronic effects from short and long-term exposure
Short term exposure	<u>ven as</u>	chronic effects from short and long-term exposure
<u>Short term exposure</u> Potential immediate effects	:	Not available.
Short term exposure		
<u>Short term exposure</u> Potential immediate effects		Not available.
<u>Short term exposure</u> Potential immediate effects Potential delayed effects		Not available.
<u>Short term exposure</u> Potential immediate effects Potential delayed effects <u>Long term exposure</u>	:	Not available. Not available.
<u>Short term exposure</u> Potential immediate effects Potential delayed effects <u>Long term exposure</u> Potential immediate effects	: :	Not available. Not available. Not available.
<u>Short term exposure</u> Potential immediate effects Potential delayed effects <u>Long term exposure</u> Potential immediate effects Potential delayed effects	: :	Not available. Not available. Not available.
Short term exposurePotential immediate effectsPotential delayed effectsLong term exposurePotential immediate effectsPotential delayed effectsPotential delayed effects	::	Not available. Not available. Not available. Not available.
Short term exposurePotential immediate effectsPotential delayed effectsLong term exposurePotential immediate effectsPotential delayed effectsPotential delayed effectsConclusion/Summary		Not available. Not available. Not available. Not available. Mixture.Not fully tested.
Short term exposurePotential immediate effects Potential delayed effectsLong term exposurePotential immediate effects Potential delayed effectsPotential chronic health effects Conclusion/Summary General		Not available. Not available. Not available. Not available. Mixture.Not fully tested. No known significant effects or critical hazards.
Short term exposurePotential immediate effectsPotential delayed effectsLong term exposurePotential immediate effectsPotential delayed effectsPotential delayed effectsPotential chronic health effectsConclusion/SummaryGeneral Carcinogenicity Mutagenicity Teratogenicity		Not available. Not available. Not available. Not available. Mixture.Not fully tested. No known significant effects or critical hazards. No known significant effects or critical hazards.
Short term exposurePotential immediate effectsPotential delayed effectsLong term exposurePotential immediate effectsPotential delayed effectsPotential delayed effectsPotential chronic health effectsConclusion/SummaryGeneral Carcinogenicity Mutagenicity		Not available. 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.:			
	yl)-4,6-bis(1,1-dimethylpropyl)-		
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		
Remarks - Acute - Fish:	Acute	1	1
	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. Daphnia	48 h
Remarks - Acute - Aquatic	Acute	· •	
invertebrates.:			



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Remarks - Acute - Aquatic	No applicable toxicity data			
plants:				
Remarks - Chronic - Fish:	No applicable toxicity data			
Remarks - Chronic -	No applicable toxicity data			
Aquatic invertebrates.:				
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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				
Conclusion/Summary	: Chemicals are not readily available as they are bound within the polymer matrix.			
Conclusion/Summary	: Chemicals are not readily available as they are bound within the polymer matrix.			
Bioaccumulative potential Not available.				
Mobility in soil				
Soil/water partition coefficie (KOC)	nt : Not available.			
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.



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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(a) - Proposed test rules. Not instead
		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 Zinc ferrite brown spinel (C.I. Pigment

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Yellow 119) Nickel Chromium

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

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)	•	
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
Phenol, 2-(2H-benzotriazol-2-yl)-	5 - 10	СН
4,6-bis(1,1-dimethylpropyl)-		
Titanium dioxide	10 - 25	СН

SARA 313

	Product name	CAS number	%
Form R - Reporting	Zinc ferrite brown spinel	68187-51-9	1 - 3
requirements	(C.I. Pigment Yellow 119)		

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••	(C.I. Pig	rite brown spinel gment Yellow 119)	68187-51-9	1 - 3
SARA 313 notifications must not b include copying and redistribution				
		free attached to copies	of the 5D5 subseque	and y redistributed.
State regulations				
Massachusetts	:	None of the compone		
New York	:	None of the compone		
New Jersey	:	The following compo Titanium dioxide Zinc ferrite brown s Carbon black	onents are listed: pinel (C.I. Pigment Y	Yellow 119)
Pennsylvania	:	The following compo Carbon black	onents are listed:	
		Zinc ferrite brown s	pinel (C.I. Pigment Y	(ellow 119)
		Titanium dioxide		
California Prop. 65 WARNING: This product contains	a chemi	cal known to the State	of California to cause	e cancer.
United States inventory (TSCA 8	b) :	All components are l	isted or exempted.	
Canada inventory	:	All components are l	isted or exempted.	
International regulations				
Inventory list				
Australia	:	All components are	listed or exempted.	
Canada	:	All components are		
China	:	All components are	listed or exempted.	
Europe inventory	:	All components are	listed or exempted.	
Japan	:	Not determined.		
New Zealand	:	All components are		
Philippines Benuklia of Vanas	:	All components are		
Republic of Korea Taiwan	:	All components are		
Taiwan Turkey	:	All components are Not determined.	instea or exempted.	
United States	:	All components are	listed or exempted	
Cintu States	•	7 in components ale	nstea or exempted.	



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Section 16. Other information

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



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

Date of printing	:	10/13/2018
Date of issue/Date of revision	:	10/10/2018
Date of previous issue	:	03/16/2017
Version	:	1.1
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 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

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Particularly this information may not be valid for such material used in conjunction with any other materials or in any process, unless specified in the text.

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