## FLEX GRAY

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# SAFETY DATA SHEET

#### FLEX GRAY

Section 1. Identification			
GHS product identifier	:	FLEX GRAY	
Chemical name	:	Mixture	
CAS number	:	Mixture	
Other means of identification	:	CC01053663	
Product type	:	liquid	
		•	
Relevant identified uses of the subs	tance	or mixture and uses advised against	
Product use	:	Industrial applications. Plastics.	
Supplier's details	:	POLYONE CORPORATION	
		ColorMatrix Group Inc.	
		680 North Rocky River Drive, Berea, Ohio, 44017-1628, USA	
		+1 216 622 0100	
Emergency telephone number	:	CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or	
(with hours of operation)	•	accident).	
(with nours of operation)		accidenty.	

## Section 2. Hazards identification

This mixture has not been evaluated as a whole for health effects. Information provided on health effects of this product is based on the individual components. However, some vapors or contaminants 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. See sections 8 and 11 for special precautions. After handling, always wash hands thoroughly with soap and water.

OSHA/HCS status	:	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
Classification of the substance or mixture	:	Not classified.

#### GHS label elements

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Signal word	:	No signal word.
Hazard statements	:	No known significant effects or critical hazards.
Precautionary statements		
General	:	Not applicable.
Prevention	:	Not applicable.
Response	:	Not applicable.
Storage	:	Not applicable.
Disposal	:	Not applicable.
Supplemental label elements	:	None known.
Hazards not otherwise classified	:	None known.

## Section 3. Composition/information on ingredients

Substance/mixture	:	Mixture
Chemical name	:	Mixture
Other means of identification	:	CC01053663

#### CAS number/other identifiers

Ingredient name	%	CAS number
Titanium dioxide	50 - 75	13463-67-7
Nickel antimony yellow rutile (C.I. Pigment Yellow 53)	5 - 10	8007-18-9
Miscellaneous Compounds Distillates, petroleum, hydrotreated middle	5 - 10	Not available.
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.

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## **Section 4. First aid measures**

#### **Description of necessary first aid measures**

Eye contact	:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. 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.
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 Specific treatments	: :	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. No specific treatment.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

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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 Hazardous thermal decomposition products	:	In a fire or if heated, a pressure increase will occur and the container may burst. Decomposition products may include the following materials: carbon dioxide carbon monoxide 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       : Stop leak if without risk. Move containers from water and mop up if water-soluble. Alternative insoluble, absorb with an inert dry material and	y, or if water-
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	<ul> <li>waste disposal container. Dispose of via a licensed waste disposal contractor.</li> <li>Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.</li> </ul>

# 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
Titanium dioxide	OSHA PEL 1989 (1989-03-01) TWA 10 mg/m3 Form: Total dust OSHA PEL (1993-06-30)

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	TWA 15 mg/m3 Form: Total dust ACGIH TLV (1996-05-18) TWA 10 mg/m3
Miscellaneous Compounds Distillates, petroleum, hydrotreated middle	None.
Nickel antimony yellow rutile (C.I. Pigment Yellow 53)	OSHA PEL (1993-06-30) TWA 1 mg/m3 (as Ni) OSHA PEL 1989 (1989-03-01) TWA 0.1 mg/m3 (as Ni) Form: Soluble ACGIH TLV (1998-09-01) TWA 0.1 mg/m3 (as Ni) Form: Inhalable fraction OSHA PEL (1993-06-30) TWA 1 mg/m3 (as Ni) OSHA PEL 1989 (1989-03-01) TWA 1 mg/m3 (as Ni)
Carbon black	OSHA PEL 1989 (1989-03-01) TWA 3.5 mg/m3 OSHA PEL (1993-06-30) TWA 3.5 mg/m3 NIOSH REL (1994-06-01) TWA 3.5 mg/m3 TWA 0.1 mgPAH/m <sup>3</sup> ACGIH TLV (2010-12-06) TWA 3 mg/m3 Form: Inhalable fraction
Appropriate engineering controls :	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Environmental exposure controls :	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Individual protection measures	
Hygiene measures :	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection :	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to





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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 **Body protection** : on the task being performed and the risks involved and should be approved by a specialist before handling this product. Appropriate footwear and any additional skin protection measures Other skin protection : 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 : liquid [liquid]	
Color : GREY	
Odor : Faint odor.	
Odor threshold : Not available.	
<b>pH</b> : Not available.	
Melting point : Not available.	
Boiling point : Not available.	
Flash point : Not available.	
Burning time : Not available.	
Burning rate : Not available.	
<b>Evaporation rate</b> : Not available.	
Flammability (solid, gas) : Not available.	
Lower and upper explosive : Lower: Not availabl	e.
(flammable) limits Upper: Not available	le.
Vapor pressure:Not available.	
Vapor density:Not available.	
<b>Relative density</b> : Not available.	
Solubility : Not available.	
Solubility in water : insoluble in water.	

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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 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 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

Product/ingredient name	Result	Species	Dose	Exposure		
Carbon black	Carbon black					
	LD50 Oral	Rat	15,400 mg/kg	-		
Remarks - Inhalation:	No applicable toxi	city data				
Remarks - Dermal:	No applicable toxi	city data				
Nickel antimony yellow rutile	Nickel antimony yellow rutile (C.I. Pigment Yellow 53)					
Remarks - Oral:	No applicable toxicity data					
Remarks - Inhalation:	No applicable toxicity data					
Remarks - Dermal:	No applicable toxicity data					
Miscellaneous Compounds Distillates, petroleum, hydrotreated middle						
Remarks - Oral:	No applicable toxicity data					
Remarks - Inhalation:	No applicable toxicity data					



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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/Summary	• Mixtu	re Not fully tested		

Conclusion/Summary

: Mixture.Not fully tested.

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium dioxide	Skin - Mild	Human		72 hrs	-
	irritant				
<b>Conclusion/Summary</b>					
Skin		ixture.Not ful			
Eyes		ixture.Not ful			
Respiratory	: M	ixture.Not ful	lly tested.		
Sensitization					
Conclusion/Summary					
Skin	: M	ixture.Not ful	lly tested.		
Respiratory	: M	ixture.Not ful	lly tested.		
<u>Mutagenicity</u>					
Conclusion/Summary	: M	ixture.Not fu	lly tested.		
<b>Carcinogenicity</b>					
Conclusion/Summary	: M	ixture.Not ful	llv tested.		
Classification	•				
Product/ingredient name	OSHA	IARC	NTP		
Carbon black		2B			
Nickel antimony yellow rutile (C.I. Pigment		1			
Yellow 53)					
Titanium dioxide		2B			
<u>Reproductive toxicity</u>					
Conclusion/Summary	: M	ixture.Not fu	lly tested.		
<b>Teratogenicity</b>					

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Conclusion/Summary

: Mixture.Not fully tested.

<u>Specific target organ toxicity (single exposure)</u> Not available.

<u>Specific target organ toxicity (repeated exposure)</u> Not available.

Aspiration hazard					
Product/ingredient name			Result		
Miscellaneous Compounds Distillates, petroleum,		oleum,	ASPIRATION HAZARD - Category 1		
hydrotreated middle					
Information on likely routes of exposure	:	Not available	5.		
Potential acute health effects					
Eye contact	:		gnificant effects or critical hazards.		
Inhalation	:		gnificant effects or critical hazards.		
Skin contact	:		gnificant effects or critical hazards.		
Ingestion	:	No known si	gnificant effects or critical hazards.		
Symptoms related to the physical, c	hemi	cal and toxico	logical characteristics		
Eye contact	: No specific data.				
Inhalation	: No specific data.				
Skin contact	:	No specific d	lata.		
Ingestion	:	No specific d	lata.		
<u>Delayed and immediate effects as w</u> <u>Short term exposure</u>	<u>ell as</u>	s chronic effec	ts from short and long-term exposure		
Potential immediate effects	:	Not available	a		
Potential delayed effects	-	Not available.			
Long term exposure					
Potential immediate effects	:	: Not available.			
Potential delayed effects	:				
Potential chronic health effects					
Conclusion/Summary	:	Mixture.Not	fully tested.		
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General	:	No known significant effects or critical hazards.
Carcinogenicity	:	No known significant effects or critical hazards.
Mutagenicity	:	No known significant effects or critical hazards.
Teratogenicity	:	No known significant effects or critical hazards.
Developmental effects	:	No known significant effects or critical hazards.
Fertility effects	:	No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Oral	171,815.6 mg/kg
Route	ATE value
Inhalation (dusts and mists)	17.92 mg/l

# 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	No applicable toxicity data		
plants:				
Remarks - Chronic - Fish:	No applicable toxicity data			
Remarks - Chronic -	No applicable toxicity data			
Aquatic invertebrates.:				
Nickel antimony yellow rutile	(C.I. Pigment Yellow 53)			
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.:				
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		11	
<u>^</u>	stillates, petroleum, hydrotreated midd	lle	
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			
	Acute LC50 > 1,000 Mg/l Marine	Fish - Fish	96 h
	water		
Remarks - Acute - Fish:	Acute		
	Acute LC50 3 Mg/l Fresh water	Aquatic invertebrates.	48 h
		Crustaceans	
Remarks - Acute - Aquatic	Acute		
invertebrates.:			
	Acute LC50 6.5 Mg/l Fresh water	Aquatic invertebrates.	48 h
		Daphnia	
Remarks - Acute - Aquatic	Acute		
invertebrates.:			
Remarks - Acute - Aquatic	No applicable toxicity data		
plants:			
Remarks - Chronic - Fish:	No applicable toxicity data		
Remarks - Chronic -	No applicable toxicity data		
Aquatic invertebrates.:	•		
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Remarks - Acute - Aquatic	Dangerous for the environment: May	y cause long term adverse e	effects in the aquatic
invertebrates.:	environment.	-	-
Conclusion/Summary	: Dangerous for the envir	onment: May cause long te	erm adverse effects
-	in the aquatic environme	ent.	
	•		

#### Persistence and degradability

Conclusion/Summary

: Not available.

#### **Bioaccumulative potential**

Not available.

#### Mobility in soil

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Soil/water partition coefficient	:	Not available.
(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	:	<ul> <li>United States - TSCA 12(b) - Chemical export notification: None of the components are listed.</li> <li>United States - TSCA 4(a) - Final Test Rules: Not listed</li> <li>United States - TSCA 4(a) - ITC Priority list: Not listed</li> <li>United States - TSCA 4(a) - Proposed test rules: Not listed</li> </ul>
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United States - TSCA 4(f) - Priority risk review: Not listed United States - TSCA 5(a)2 - Final significant new use rules: Not listed United States - TSCA 5(a)2 - Proposed significant new use rules: Not listed United States - TSCA 5(e) - Substances consent order: Not listed United States - TSCA 6 - Final risk management: Not listed United States - TSCA 6 - Proposed risk management: Not listed United States - TSCA 8(a) - Chemical risk rules: Not listed United States - TSCA 8(a) - Dioxin/Furane precusor: Not listed United States - TSCA 8(a) - Chemical Data Reporting (CDR): Not determined United States - TSCA 8(a) - Preliminary assessment report (PAIR): Not listed United States - TSCA 8(c) - Significant adverse reaction (SAR): Not listed United States - TSCA 8(d) - Health and safety studies: Not listed United States - EPA Clean water act (CWA) section 307 - Priority pollutants: Listed Nickel antimony yellow rutile (C.I. Pigment Yellow 53) 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

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	:	Not listed
Chemicals)		

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

not applicable

#### SARA 311/312

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Classification

Not applicable.

:

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

No products were found.

Name	%	Classification
Carbon black	>= 0.3 - <= 1	CARCINOGENICITY - Category 2
Nickel antimony yellow	>= 5 - <= 10	CARCINOGENICITY - Category 1A
rutile (C.I. Pigment Yellow		
53)		
Miscellaneous Compounds	>= 5 - < 10	ACUTE TOXICITY - inhalation - Category 4
Distillates, petroleum,		SKIN IRRITATION - Category 2
hydrotreated middle		ASPIRATION HAZARD - Category 1
Titanium dioxide	>= 50 - <= 75	CARCINOGENICITY - Category 2

#### SARA 313

	Product name	CAS number	%
Form R - Reporting	Rutile, antimony chromium	68186-90-3	5 - 10
requirements	buff		
	Nickel antimony yellow rutile (C.I. Pigment Yellow 53)	8007-18-9	5 - 10
	Aluminum oxide	1344-28-1	1 - 3
Supplier notification	Rutile, antimony chromium buff	68186-90-3	5 - 10
	Nickel antimony yellow rutile (C.I. Pigment Yellow 53)	8007-18-9	5 - 10
	Aluminum oxide	1344-28-1	1 - 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 components are listed.
New York	: None of the components are listed.
New Jersey	: The following components are listed:

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Carbon black Aluminum oxide Nickel antimony yellow rutile (C.I. Pigment Yellow 53) Rutile, antimony chromium buff Titanium dioxide : The following components are listed: Carbon black Aluminum oxide Nickel antimony yellow rutile (C.I. Pigment Yellow 53) Rutile, antimony chromium buff Titanium dioxide

#### California Prop. 65

Japan

Taiwan

New Zealand

**Republic of Korea** 

Philippines

Pennsylvania

**WARNING:** This product can expose you to chemicals including Carbon black, Nickel antimony yellow rutile (C.I. Pigment Yellow 53), 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
Carbon black	No.	No.
Nickel antimony yellow rutile (C.I. Pigment Yellow 53)	No.	No.
Titanium dioxide	No.	No.

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

:

:

:

:

:

Not determined.

Not determined.

Not determined.

Not determined.

Not determined.

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Turkey United States Not determined.

:

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>Instory</u>		
Date of printing	:	05/10/2019
Date of issue/Date of revision	:	05/09/2019
Date of previous issue	:	05/07/2015
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 = Intermediate Bulk Container
		IMDG = International Maritime Dangerous Goods
		LogPow = logarithm of the octanol/water partition coefficient
		MARPOL = International Convention for the Prevention of Pollution From
		Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine
		pollution)
		UN = United Nations
References	:	Not available.

#### Notice to reader

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Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Particularly this information may not be valid for such material used in conjunction with any other materials or in any process, unless specified in the text.