

MATERIAL SAFETY DATA SHEET

RED

Version Number 1.0 Revision Date 10/16/2001 Page 1 of 5 Print Date 11/1/2011

1. PRODUCT AND COMPANY IDENTIFICATION

POLYONE CORPORATION 33587 Walker Road, Avon Lake, OH 44012

NON-EMERGENCY TELEPHONE	:	Product Stewardship (770) 271-5902
Emergency telephone number	:	CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).
Product name	:	RED
Product code	:	CC10003758
Chemical Name	:	Mixture
CAS-No.	:	Mixture
Product Use	:	Industrial Applications

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %
Titanium dioxide	13463-67-7	5 - 10

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This mixture has not been evaluated as a whole. All ingredients are bound and potential for hazardous exposure as shipped is minimal. However, some fumes may be released upon heating or crosslinking and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect his employee from exposure. See Sections 3 and 11 for special precautions.

POTENTIAL HEALTH EFFECTS

Routes of Exposure:	: Inhalation, Ingestion, Skin contact
Acute exposure	
Inhalation Ingestion Eyes	 Resin particles, like other inert materials, can be mechanically irritating. May be harmful if swallowed. Resin particles, like other inert materials, are mechanically irritating to eyes.
Skin	: Experience shows no unusual dermatitis hazard from routine handling.
Chronic exposure	: Refer to Section 11 for Toxicological Information.
Medical Conditions Aggravated by Exposure:	: None known.



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	4. FIRST AID MEASURES
Inhalation	: Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. When symptoms persist or in all cases of doubt seek medical advice.
Ingestion	: Do not induce vomiting without medical advice. When symptoms persist or in all cases of doubt seek medical advice.
Eyes	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, seek medical attention.
Skin	: Wash off with soap and plenty of water. If skin irritation persists seel medical attention.
	5. FIRE-FIGHTING MEASURES
Flash point	: Not applicable
Flammable Limits	
Upper explosion limit	: Not applicable
Lower explosion limit	: Not applicable
Autoignition temperature	: Not relevant
Suitable extinguishing media	: Carbon dioxide blanket, water spray, dry powder, foam.
Special Fire Fighting	: Fullface self-contained breathing apparatus (SCBA) used in positive
Procedures	pressure mode should be worn to prevent inhalation of airborne contaminants.
Unusual Fire/Explosion Hazards	: None
	6. ACCIDENTAL RELEASE MEASURES
Personal precautions	: Wear appropriate personal protection during cleanup, such as impervious gloves, boots and coveralls.
Environmental precautions	: Should not be released into the environment. The product should not be allowed to enter drains, water courses or the soil.
Methods for cleaning up	: Clean up promptly by sweeping or vacuum. Package all material in plastic, cardboard or metal containers for disposal. Refer to Section 12 of this MSDS for proper disposal methods.
	7. HANDLING AND STORAGE
Handling	: Take measures to prevent the build up of electrostatic charge. Heat only in areas with appropriate exhaust ventilation.
Storage	: Keep containers dry and tightly closed to avoid moisture absorption



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General Hygiene Considerations : Handle in accordance with good industrial hygiene and safety pract Wash hands before breaks and at the end of workday. Engineering measures : Heat only in areas with appropriate exhaust ventilation. Provide appropriate exhaust ventilation at machinery. Exposure limit(s)	rision Date 10/16/2001 Print Date 11/1/				
Respiratory protection : No personal respiratory protective equipment normally required. Eye/Face Protection : Safety glasses with side-shields. Hand protection : Protective gloves. Skin and body protection : Long sleeved clothing. Additional Protective : Safety shoes. Measures : General Hygiene : Handle in accordance with good industrial hygiene and safety pract Wash hands before breaks and at the end of workday. Engineering measures : Heat only in areas with appropriate exhaust ventilation. Provide appropriate exhaust ventilation at machinery. Exposure limit(s) : Components Value Exposure time Exposure type List: Titanium dioxide 10 mg/m3 Time Weighted Average (TWA): Total dust. ACGH 9. PHYSICAL AND CHEMICAL PROPERTIES Solid Evaporation rate : Not applicable Form : Solid Evaporation rate : Not applicable Appearance : Pellets Specific Gravity : Not established Odor : Very faint Vapor density : Not applicable Helting point/range : Not applicable pH : Not applicable Boiling Point:		a	nd contamination. Keep in	a dry, cool place.	
Eye/Face Protection : Safety glasses with side-shields. Hand protection : Protective gloves. Skin and body protection : Long sleeved clothing. Additional Protective : Safety shoes. Measures : Safety shoes. General Hygiene : Handle in accordance with good industrial hygiene and safety pract: Considerations : Wash hands before breaks and at the end of workday. Engineering measures : Heat only in areas with appropriate exhaust ventilation. Provide appropriate exhaust ventilation at machinery. Exposure limit(s) : Components Value Exposure time Exposure type List: Titanium dioxide 10 mg/m3 Time Weighted Average Total dust. OSHA 2 Operation rate : Not applicable Appearance : Pellets Specific Gravity : Not applicable Odor : RED Buk density : Not applicable Melting point/range : Not applicable pH : Not applicable Boiling Point: : Not applicable pH : Not applicable Weat solubility : Insolu	8. H	EXPOSURE	CONTROLS / PERSONA	AL PROTECTION	
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Conditions to avoid : Keep away from oxidizing agents and open flame. To avoid therm	-				
	Hazardous Polymerization	n : V	Vill not occur.		
	Conditions to avoid				avoid thermal
Incompatible Materials : Incompatible with strong acids and oxidizing agents.	Incompatible Materials	: Iı	ncompatible with strong aci	ds and oxidizing agents.	



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Hazardous decomposition products

: Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), other hazardous materials, and smoke are all possible.

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.

Toxicity Overview

This product contains the following components which in their pure form have the following characteristics:

CAS-No.	Chemical Name	Effect	Target Organ		
13463-67-7	Titanium dioxide	Systemic effects	Respiratory system.		
	12. ECOLOGIO	CAL INFORMATION	1		
Persistence and degrad	ability : Not readily b	iodegradable.			
Environmental Toxicity	Chemicals ar of the polymo		s they are bound within the matri		
Bioaccumulation Poten		: Chemicals are not readily available as they are bound within the matrix of the polymer.			
Additional advice	: No data avail	: No data available.			
	13. DISPOSAL	CONSIDERATIONS			
Product Contaminated packagir	recycling is p waste materia transportation state/provinc ng : Recycling is has the respo	 Like most thermoplastics the product can be recycled. Where possible recycling is preferred to disposal or incineration. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations. Recycling is preferred when possible. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations. 			
		PRT INFORMATION			
	14. I KANSFU	KI INFORMATION			
U.S. D.O.T. / CA T.D. Classification (Non-bui ground)	e	l for transportation.			
ICAO/IATA	: Not regulated	l for transportation.			
IMO / IMDG	: Not regulated	l for transportation.			
	15 DECHLAT	ORY INFORMATION	T		

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US Regulations:		
OSHA Status	:	Classified as hazardous based on components.
TSCA Status :	:	All components of this product are listed on the TSCA inventory or are exempt.
California Proposition : 65	:	This product does not contain a substance listed by California Prop 65.
Canadian Regulations:		
WHMIS Classification	:	D2B
WHMIS Ingredient Disclos	osu	re List
CAS-No. 150-13-0		
DSL :	:	Listed.
National Inventories:		
Australia AICS :	:	Listed.
China IECS :	:	Listed.
Europe EINECS :	:	Not determined.
Japan ENCS :	:	Listed.
Korea KECI :	:	Listed.
Philippines PICCS :	:	Listed.
		16. OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.