

MATERIAL SAFETY DATA SHEET

MUELLER RED

Version Number 1.0 Revision Date 02/14/2003 Page 1 of 6 Print Date 11/10/2011

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	:	MUELLER RED
Product code	:	CC10031470
Chemical Name	:	Mixture
CAS-No.	:	Mixture
Product Use	:	Industrial Applications

2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Components	CAS-No.	Weight %
Titanium dioxide	13463-67-7	1 - 5

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

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.

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 o 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 a least 15 minutes. If eye irritation persists, seek medical attention.
Skin	: Wash off with soap and plenty of water. If skin irritation persists see medical attention.
	5. FIRE-FIGHTING MEASURES
Flash point	: Not applicable
Flammable Limits Upper explosion limit Lower explosion limit Autoignition temperature Suitable extinguishing media	 Not applicable Not applicable Not relevant Carbon dioxide blanket, Water spray, dry powder, foam.
Special Fire Fighting Procedures Unusual Fire/Explosion	 Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants. None
Hazards	
	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 no 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 1 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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	a	nd contamination. Keep in	a dry, cool place.	
8. E	EXPOSURE	CONTROLS / PERSONA	L PROTECTION	
Respiratory protection	: N	to personal respiratory prote	ective equipment norn	nally required.
Eye/Face Protection	: S	afety glasses with side-shie	lds.	
Hand protection	: Protective gloves.			
Skin and body protection	: Long sleeved clothing.			
Additional Protective Measures	: S	afety shoes.		
General Hygiene Considerations		Iandle in accordance with go Vash hands before breaks ar		
Engineering measures		Ieat only in areas with appropriate exhaust ventilation		ation. Provide
Exposure limit(s)				
Components	Value	Exposure time	Exposure typ	e List:
Titanium dioxide	10 mg/m3	Time Weighted Average (TWA):		ACGIH
Titanium dioxide	15 mg/m3	PEL:	Total dust.	OSHA Z
	9. PHYSI	CAL AND CHEMICAL P	ROPERTIES	
Form	: Solid	d Eva	poration rate :	Not applicable.
Appearance	: Pelle		cific Gravity :	Not determined
Color	: RED) Bul	k density :	Not established
Odor	: Very	v faint Var	or pressure :	Not applicable
Melting point/range				Not applicable
Boiling Point:		applicable pH	:	
Water solubility	: Insol			
	10. 5	STABILITY AND REACT	TIVITY	
Stability		STABILITY AND REACT	TVITY	
Stability Hazardous Polymerization	: S			
	: S n : V : K	table.	gents and open flame.	To avoid therma



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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:

13463-67-7	Titanium dioxide	Systemic effects	Respiratory system.		
	12. ECOLOGI	CAL INFORMATION	1		
Persistence and degrada		biodegradable.			
Environmental Toxicity		: Chemicals are not readily available as they are bound within the matrix of the polymer.			
Bioaccumulation Poten		: Chemicals are not readily available as they are bound within the matrix of the polymer.			
Additional advice	: No data avai	lable.			
	13. DISPOSAI	CONSIDERATIONS	9		
Product Contaminated packagin	possible, rec generator of classification applicable fe gg : Recycling is has the respo and disposal	 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. 			
	14. TRANSPO	ORT INFORMATION			
U.S. DOT Classificatio	n : Refer to spec	cific regulation.			
ICAO/IATA	: Refer to spec	cific regulation.			
IMO / IMDG	: Refer to spec	cific regulation.			
	15. REGULAT	ORY INFORMATION	N		

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US Regulations:		
OSHA Status	:	Classified as hazardous based on components.
TSCA Status	:	All components of this product are listed on or exempt from the TSCA Inventory.
US. EPA CERCLA Hazardous	Sub	stances (40 CFR 302)
Not applicable		
California Proposition 65	:	This product does not contain a substance listed by California Prop 65.
SARA Title III Section 302 Ext	rem	ely Hazardous Substance
Not applicable		
SARA Title III Section 313 To:	cic (Chemicals:
	N	ot applicable
Canadian Regulations:		
WHMIS Classification	:	D2B
DSL	:	All components of this product are on the Canadian Domestic Substances List (DSL) or are exempt.
National Inventories:		
Australia AICS	:	Listed.
	: :	Listed.
Australia AICS		
Australia AICS China IECS		Listed.
Australia AICS China IECS Europe EINECS	:	Listed. Not determined.
Australia AICS China IECS Europe EINECS Japan ENCS	:	Listed. Not determined. Not determined.

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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.