

## MATERIAL SAFETY DATA SHEET

## **RED 193**

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## 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 193
Product code	:	CC10001471
Chemical Name	:	Mixture
CAS-No.	:	Mixture
Product Use	:	Industrial Applications

#### 2. COMPOSITION/INFORMATION ON 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. 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

<b>Routes of Exposure:</b>	: Inhalation, Ingestion, Skin contact
Acute exposure	
Inhalation Ingestion Eyes	<ul> <li>Resin particles, like other inert materials, can be mechanically irritating.</li> <li>May be harmful if swallowed.</li> <li>Resin particles, like other inert materials, are mechanically irritating to eyes.</li> </ul>
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 Procedures	: Fullface self-contained breathing apparatus (SCBA) used in positive 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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	a	nd contamination. Keep in a c	łry, cool place.	
8. H	EXPOSURE	CONTROLS / PERSONAL	PROTECTION	
Respiratory protection	: N	o personal respiratory protect	ive equipment normally	required.
Eye/Face Protection	: S	afety glasses with side-shields	S.	
Hand protection	: P	rotective gloves.		
Skin and body protection	: L	ong sleeved clothing.		
Additional Protective Measures	: S	afety shoes.		
General Hygiene Considerations		andle in accordance with good Vash hands before breaks and		afety practic
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):		ACGIH
	15 mg/m3	PEL:	Total dust.	OSHA Z
	10 mg/m3	Time Weighted Average (TWA):	as Ti	MX OEI
	9. PHYSIC	CAL AND CHEMICAL PRO	OPERTIES	
Form	: Solid	l Evapo	oration rate : Not	applicable.
Appearance	: Pelle			determined.
Color	: RED		2	established
Odor	: Very			applicable
Melting point/range Boiling Point:				applicable
Water solubility	: Not applicable pH : Not applicabl : Insoluble			
water solubility				
	10. 8	STABILITY AND REACTIV	VITY	
Stability	: S	table.		
Hazardous Polymerization	n : W	/ill not occur.		



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Incompatible Materials	: Incom	patible with strong a	acids and	oxidizing agents.
Hazardous decomposition products				noxide (CO), oxides of nitrogen and smoke are all possible.
	11. TOXIC	OLOGICAL INFO	ORMATI	ION
This mixture has not been health data for the indivi				sure effects listed are based on exis
Toxicity Overview This product contains th	e following compor	nents which in their	pure form	n have the following characteristics
CAS-No.	Chemical Na	me Ef	fect	Target Organ
13463-67-7	Titanium dioxide	Systemic	c effects	Respiratory system.
	12. ECOI	LOGICAL INFOR		N
Persistence and degrada	bility : Not rea	adily biodegradable	•	
Environmental Toxicity		cals are not readily a polymer.	available	as they are bound within the matrix
Bioaccumulation Potent		cals are not readily a polymer.	available	as they are bound within the matrix
Additional advice	: No dat	a available.		
	13. DISP	OSAL CONSIDE	RATION	S
Product	recycli waste transpo	ng is preferred to di material has the resp	isposal or ponsibilit l in accor	act can be recycled. Where possible incineration. The generator of y for proper waste classification, rdance with applicable federal, ns.
Contaminated packaging	has the and dis	: 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.		
	14. TRA	NSPORT INFORM	MATION	1
U.S. D.O.T. / CA T.D.G Classification (Non-bulk ground)		gulated for transport	tation.	
			tation	
ICAO/IATA	: Not reg	gulated for transport	tation.	



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	15	. REGULATORY INFORMATION
US Regulations:		
OSHA Status	:	Classified as hazardous
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
DSL	:	Listed.
National Inventories:		
Australia AICS	:	Listed.
China IECS	:	Listed.
Europe EINECS	:	Not Listed.
Japan ENCS	:	Not Listed.
Korea KECI	:	Not Listed.
Philippines PICCS	:	Not 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.