MATERIAL SAFETY DATA SHEET

PG 70054.00 RD PE

Version Number 1.0 Revision Date 05/17/2005

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1. PRODUCT AND COMPANY IDENTIFICATION

POLYONE CORPORATION 33587 Walker Road, Avon Lake, OH 44012

Telephone Emergency telephone number	:	Product Stewardship (770) 271-5902 CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).
Product name	:	PG 70054.00 RD PE
Product code	:	CC10070054
Chemical Name	:	Mixture
CAS-No.	:	Mixture
Product Use	:	Industrial Applications

2. COMPOSITION/INFORMATION ON REGULATED INGREDIENTS

Components	CAS-No.	Weight %
Titanium dioxide	13463-67-7	10 - 30

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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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. Skin : Wash off with soap and plenty of water. If skin irritation persists see medical attention. Flash point : Not applicable Flash point : Not applicable Lower explosion limit : Not applicable Suitable extinguishing media : Carbon dioxide blanket, water spray, dry powder, foamnone. Special Fire Fighting : Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants. Unusual Fire/Explosion : Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOX), other hazardous materials, and smoke are all possible. 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		4. FIRST AID MEASURES
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. Skin : Wash off with soap and plenty of water. If skin irritation persists see medical attention. Skin : Not applicable Flash point : Not applicable Flammable Limits : Not applicable Upper explosion limit : Not applicable Suitable extinguishing media : Carbon dioxide blanket, water spray, dry powder, foamnone. Special Fire Fighting : Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants. Unusual Fire/Explosion : Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), other hazardous materials, and smoke are all possible. 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. THANDLING AND STORAGE </td <td>Inhalation</td> <td>overheating or combustion. When symptoms persist or in all cases</td>	Inhalation	overheating or combustion. When symptoms persist or in all cases
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Storage : Keep containers dry and tightly closed to avoid moisture absorption	Storage	: Keep containers dry and tightly closed to avoid moisture absorption

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8. H	XPOSURE	CONTROLS / PERSO	NAL I	PROTECTION	
Respiratory protection	: N	lo personal respiratory p	rotectiv	ve equipment norma	lly required.
Eye/Face Protection	: S	afety glasses with side-s	hields.		
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 Vash hands before breaks			
Engineering measures		leat only in areas with appropriate exhaust ventil			on. Provide
Exposure limit(s)					
Components	Value	Exposure time		Exposure type	List:
Titanium dioxide	10 mg/m3	Time Weighted Aver (TWA):	age	1 71	ACGIH
	15 mg/m3	PEL:		Total dust.	OSHA Z1
	9. PHYSIC	CAL AND CHEMICAI	L PRO	PERTIES	
Form	: Solid	1	Evanor	ation rate :	Not applicable
Appearance	: Pelle				Not determined
Color	: RED		Bulk de		Not established
Odor	: Very				Not applicable
Melting point/range	: Not o	determined	Vapour	density :	Not applicable
Boiling Point:			pН	:	Not applicable
Water solubility	: Insol	uble			
	10. 8	STABILITY AND REA	CTIV	ITY	
Stability	: S	table.			
Hazardous Polymerization	n : W	Vill not occur.			
Conditions to avoid		eep away from oxidizin ecomposition, do not ov		ts and open flame.	Γo avoid thermal



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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. ECOLOGI	CAL INFORMATION	1			
Persistence and degrada	bility : Not readily b	viodegradable.				
Environmental Toxicity	: Chemicals ar polymer mat		as they are bound within the			
Bioaccumulation Poten	tial : Chemicals ar polymer mat		as they are bound within the			
Additional advice	: No data avai	lable				
	13. DISPOSAL	CONSIDERATIONS	}			
Product Contaminated packagin	g : Recycling is has the respo and disposal	 Like most thermoplastic plastics 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 materia has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations. 				
	14. TRANSPO	PRT INFORMATION				
U.S. DOT Classification	n : Not regulated	l for transportation.				
ICAO/IATA (air)	: Refer to spec	ific regulation.				
IMO / IMDG (maritime	e) : Refer to spec	ific regulation.				
	15. REGULAT	ORY INFORMATION	N			

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US Regulations:					
OSHA Status	:	Classified as hazardo	us based on compo	onents.	
TSCA Status	:	All components of th Inventory.	is product are listed	l on or exemp	ot from the TSCA
US. EPA CERCLA Hazardou	s Sub	stances (40 CFR 302)			
Not applicable					
California Proposition 65	:	Not applicable			
SARA Title III Section 302 E Not applicable	xtrem	ely Hazardous Substan	ice		
SARA Title III Section 313 T	oxic (Chemicals:			
Not applicable Canadian Regulations:					
National Pollutant Rele	ease I	nventory (NPRI)			
Chemical Name Aluminum oxide			CAS-No. 1344-28-1	Weight % 0.24	NPRI ID# 13
					·
WHMIS Classification	ı :	Not controlled.			
DSL	:	All components of th Substances List (DSL		he Canadian	Domestic
National Inventories:					
Australia AICS	:	Listed			
China IECS	:	Listed			
	:	Not determined			
Europe EINECS					
Europe EINECS Japan ENCS	:	Listed			
-	:	Listed Listed			
Japan ENCS	: : :				



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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 when used in combination with any other materials and/or in any particular process or processing conditions.