### MATERIAL SAFETY DATA SHEET PPRC-20G BLACK 1

Version Number 1.1 Revision Date 04/10/2013

Page 1 of 6 Print Date 4/10/2013

POLYONE CORPORATI 33587 Walker Road, Avoi		ОН 44012
Telephone Emergency telephone number	:	1 (440) 930-1000 or 1 (866) POLYONE CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).
Product name	:	PPRC-20G BLACK 1
Product code	:	EM10013438
Chemical Name	:	Mixture
CAS-No.	:	Mixture
Product Use	:	Industrial Applications

## Components CAS-No. Weight percent

Components	CAS-NO.	weight percent
Glass, oxide	65997-17-3	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

<b>Routes of Exposure:</b>	: Inhalation, Ingestion, Eyes, Skin contact
Acute exposure	
Inhalation	: Resin particles, like other inert materials, can be mechanically irritating.
Ingestion	: May be harmful if swallowed.
Eyes	: Resin particles, like other inert materials, are mechanically irritating to eyes.
Skin	: Avoid skin contact. Product contains unreacted organic peroxides which may cause mild skin irritation.
Chronic exposure	: Refer to Section 11 for Toxicological Information.

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## MATERIAL SAFETY DATA SHEET **PPRC-20G BLACK 1**

Version Number 1.1 Revision Date 04/10/2013 Page 2 of 6 Print Date 4/10/2013

Aggravated by Exposure:	bronchitis, etc.) may be adversely affected by any airborne contaminant.
	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 seek medical attention.
	5. FIREFIGHTING MEASURES
Flash point	: not applicable
Flammable Limits Upper explosion limit Lower explosion limit Auto-ignition temperature Suitable extinguishing media Special Fire Fighting Procedures	<ul> <li>not applicable</li> <li>not applicable</li> <li>Not relevant</li> <li>Carbon dioxide blanket, Water spray, Dry powder, Foam.</li> <li>Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants.</li> </ul>
Unusual Fire/Explosion Hazards	: 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.
	7. HANDLING AND STORAGE
Handling	: Take measures to prevent the build up of electrostatic charge. Heat



## MATERIAL SAFETY DATA SHEET PPRC-20G BLACK 1

storage       :       Keep containers dry and tightly closed to avoid moisture absorption and contamination. Keep in a dry, cool place. Keep away from heat. Excessive storage temperature and humidity can degrade product performance. Store below 149 °F (65 °C). Rotate stock. Product shelf life is normally 1 year maximum.         Storage       S. EXPOSURE CONTROLS/PERSONAL PROTECTION         Respiratory protection       :       No personal respiratory protective equipment normally required when handling the product itself. See "Engineering Measures" section below for precatuons to be taken when heating or processing this material.         Eye/Face Protection       :       Safety glasses with side-shields         Hand protection       :       Long sleeved clothing         Additional Protective       :       Safety shoes         Measures       :       Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.         Engineering measures       :       Heat only in areas with appropriate exhaust ventilation. During processing and cross-linking, product can give off by-product such as action such as adequate ventilation to prevent accumulation and ignition of vapors. Adequate ventilation of prevent accumulation and giption or vapors. Adequate ventilation and/or appropriate respiratory protection may also be necessary to minimize comployee exposure to processing vapors.         Exposure limit(s)       :       :         Persuection       :       :         Safety shoes       :       : </th <th>rsion Number 1.1 vision Date 04/10/2013</th> <th></th> <th>Page 3 of Print Date <i>4/10/201</i></th>	rsion Number 1.1 vision Date 04/10/2013		Page 3 of Print Date <i>4/10/201</i>	
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### MATERIAL SAFETY DATA SHEET PPRC-20G BLACK 1

Version Number 1.1 Revision Date 04/10/2013 Page 4 of 6 Print Date 4/10/2013

Stability	: The product is stable if stored and handled as prescribed.
Hazardous Polymerization	: Will not occur.
Conditions to avoid	: Keep away from oxidizing agents and open flame. To avoid therma decomposition, do not overheat.
Incompatible Materials	: Strong acids, Oxidizing agents, Reducing agents
Hazardous decomposition products	: Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), other hazardous materials, and smoke are all possible. Trace of alcohols, acetophenone, alpha-methylstyrene, acetone, methane, ethane, or other byproducts may be liberated during processing or decomposition.
	11. TOXICOLOGICAL INFORMATION

**Toxicity Overview** 

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

ility : Not readily	ICAL INFORMATION	
	biodegradable.	
· Chemicals		
polymer ma	2	they are bound within the
	•	they are bound within the
: not applicat	ble	
13. DISPOSA	L CONSIDERATIONS	
waste class	ification, transportation an	d disposal in accordance with
waste class	ification, transportation an	d disposal in accordance with
	in ontainfails polymer matrix inot application 13. DISPOSA The general waste class applicable The general waste class	<ul> <li>in the polymer matrix.</li> <li>in the applicable</li> <li>13. DISPOSAL CONSIDERATIONS</li> <li>The generator of waste material has the waste classification, transportation and applicable federal, state/provincial applicab</li></ul>

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# MATERIAL SAFETY DATA SHEET PPRC-20G BLACK 1

Version Number 1.1 Revision Date 04/10/2013 Page 5 of 6 Print Date 4/10/2013

	14. TRANSPORT INFORMATION
U.S. DOT Classification	: Not regulated for transportation.
ICAO/IATA	: Refer to specific regulation.
IMO/IMDG (maritime)	: Refer to specific regulation.
	15. REGULATORY INFORMATION
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 Hazardo	us Substances (40 CFR 302)
not applicable	
California Propositio	n : Not applicable
California Propositio 65	n : Not applicable
65	n : Not applicable Extremely Hazardous Substance
65 SARA Title III Section 302 I	
65 SARA Title III Section 302 I	Extremely Hazardous Substance
65 SARA Title III Section 302 I Unless specific chemicals are	Extremely Hazardous Substance e identified under this section, this product is Not Applicable under this regulation
65 SARA Title III Section 302 I Unless specific chemicals are SARA Title III Section 313 7	Extremely Hazardous Substance e identified under this section, this product is Not Applicable under this regulati Foxic Chemicals:
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65 SARA Title III Section 302 I Unless specific chemicals are SARA Title III Section 313 T Unless specific chemicals are Canadian Regulations: National Pollutant Re	Extremely Hazardous Substance e identified under this section, this product is Not Applicable under this regulati Foxic Chemicals: e identified under this section, this product is Not Applicable under this regulati lease Inventory (NPRI)

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## MATERIAL SAFETY DATA SHEET **PPRC-20G BLACK 1**

Version Number 1.1 Revision Date 04/10/2013 Page 6 of 6 Print Date 4/10/2013

National Inventories:

Australia AICS	: Not determined
China IECS	: Not determined
Europe EINECS	: Listed
Japan ENCS	: Not determined
Korea KECI	: Not determined
Philippines PICCS	: Not determined

#### **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.