



## SAFETY DATA SHEET

### SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: **Westco RB 1756-70**

Other means of identification:

Product Description: Polybutadiene functionalized with Maleic Anhydride  
Synonyms: CARBOXYLATED POLYBUTADIENE ON SILICA

Recommended use of the chemical and restrictions on use:

Chemical distributor, or other responsible party Name, address, and telephone number:

Distributor Name: Western Reserve Chemical Corporation  
Address: 4837 Darrow Road  
Stow, OH 44224  
USA  
General Phone Number: 330 650 2244  
General Fax Number: 330 650 2255

Emergency phone number::

Emergency Phone Number: Chemtrec 1 800 424 9300 USA  
Website: www.wrchem.com

### SECTION 2 : HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with CFR 1910.1200(d)(f):

GHS Pictograms:



GHS Class: Acute oral, dermal and inhalation toxicity, Category 4. Eye Irritant, Category 2.

Hazard Statements: May cause slight irritation to eyes, skin, and respiratory system.

Precautionary Statements: Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapours/spray. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF SWALLOWED: Rinse mouth. Do not induce vomiting.

Hazards not otherwise classified that have been identified during the classification process:

Route of Exposure: Eyes. Skin. Inhalation. Ingestion. Eyes. Skin. Inhalation. Ingestion.

Eye: This product is expected to be a mild eye irritant. Symptoms may include redness, excessive tearing and blinking.

Skin: This product is expected to be a mild skin irritant. This product is not expected to be a skin absorption hazard.

Inhalation: This product is not expected to be an inhalation hazard. This product may be a slight respiratory tract irritant. Symptoms may include coughing, mucous production and shortness of breath.

Ingestion: This product is expected to be practically non-toxic if swallowed.

Chronic Health Effects: No known effect based on information supplied.

### SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
1,3-Butadiene polymer, maleinized	68608-94-6	>70 %	

## SECTION 4 : FIRST AID MEASURES

### Description of necessary measures:

<b>Eye Contact:</b>	In case of contact, immediately flush eyes with plenty of water. Get medical attention if irritation persists.
<b>Skin Contact:</b>	Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists. Remove contaminated clothing.
<b>Inhalation:</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
<b>Ingestion:</b>	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical attention immediately if symptoms occur.

### Indication of immediate medical attention and special treatment needed:

**Note to Physicians:** In case of serious or persistent conditions, call a doctor or emergency medical care.

## SECTION 5 : FIRE FIGHTING MEASURES

### Suitable and unsuitable extinguishing media:

<b>Suitable Extinguishing Media:</b>	Use CO2, dry chemical, or foam. Cool containers / tanks with water spray.
<b>Unsuitable extinguishing media:</b>	Water jet.

### Special protective equipment and precautions for fire-fighters:

<b>Protective Equipment:</b>	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Fire Fighting Instructions:</b>	In case of fire and/or explosion, do not breath fumes. In case of fire, risk of formation of toxic products. Cool the container with sprayed water and eliminate hot points.

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures:

**Personal Precautions:** Ensure adequate ventilation. See section 8 for personal protective gear.

### Environmental precautions:

**Environmental Precautions:** Do not allow to enter sewer system or waterways.

### Methods and materials for containment and cleaning up:

<b>Methods for containment:</b>	Contain spreading. Prevent dust cloud. Recover product by vacuuming. Collect the product in container pending disposal.
<b>Methods for cleanup:</b>	Avoid creating dust. Sweep up and vacuum into suitable containers for disposal.

## SECTION 7 : HANDLING and STORAGE

### Precautions for safe handling:

<b>Handling:</b>	Fine dust dispersed in air may ignite. Prevent dust accumulation to minimize explosion hazard. Keep away from heat, sparks and flame. Keep container closed. Ground/bond container and equipment. Avoid contact with skin and clothing. Wash thoroughly after handling. Avoid contact with eyes. Avoid breathing vapors or mists. Use only with adequate ventilation.
<b>Hygiene Practices:</b>	Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and immediately after handling the product.

### Conditions for safe storage, including any incompatibilities:

<b>Storage:</b>	Minimize the potential for dust explosion by eliminating or controlling ignition sources and controlling dust. Use good housekeeping practices. Electrical equipment must be grounded; suitable for the classification of the area where it is installed and conform to the National Electric Code (see NFPA 70). Refer to the latest edition of the National Fire Protection Association (NFPA) 654, Standard for the Prevention of Fire & Dust Explosions in the Chemical, Dye, Pharmaceutical, and Plastics Industries. Do not store near combustible materials.
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## SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

### EXPOSURE GUIDELINES:

### Appropriate engineering controls:

**Engineering Controls:** Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Ventilate thermal processing equipment to control gases and fumes that may be generated during processing.

**Individual protection measures:**

**Eye/Face Protection:** Eye protection such as chemical splash goggles and/or face shield must be worn when possibility exists for eye contact due to splashing/spraying liquid, airborne particles, or vapors.

**Skin Protection Description:** Depending on conditions of use, protective gloves, apron, boots, head and face protection should be worn. The equipment must be cleaned thoroughly after each use.

**Hand Protection Description:** Impervious gloves

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

**PPE Pictograms:**



## SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

**PHYSICAL AND CHEMICAL PROPERTIES:**

**Physical State:** Solid

**Physical State Appearance:** Powder

**Color:** Light Gray

**Odor:** Mild Hydrocarbon-like

**Boiling Point:** No information available.

**Melting Point:** No information available.

**Specific Gravity:** 1.3

**Vapor Pressure:** No information available.

**pH:** No information available.

**Viscosity:** ~ 140000 cps @ 55 C

**Flash Point:** > 121 °C / > 250 °F

**Flash Point Method:** Cleveland Open Cup (C.O.C).

**VOC Content:** negligible

## SECTION 10 : STABILITY and REACTIVITY

**Chemical Stability:**

**Chemical Stability:** Stable under recommended storage conditions

**Possibility of hazardous reactions:**

**Hazardous Polymerization:** Hazardous polymerization may occur at >121C/250 F. A polymerization reaction can generate sufficient heat to continue spontaneously.

**Conditions To Avoid:**

**Conditions to Avoid:** Strong oxidizing and reducing agents Temperatures above 87°C

**Incompatible Materials:**

**Incompatible Materials:** Strong oxidizing and reducing agents Strong acids Combustible materials

**Hazardous Decomposition Products:**

**Special Decomposition Products:** 1,3-butadiene. Maleic anhydride. Hydrocarbons.

## SECTION 11 : TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION:**

**Acute Toxicity:** Not expected to present a significant hazard under anticipated conditions of normal use.  
Amorphous Silica:  
LD50 Oral: 500 mg/kg Rat  
LD Dermal: 2000 mg/kg (Rabbit)  
LC50 Inhalation: 2.2 mg/l (Rat) 1h

**Eye:** This product has not been tested This product is expected to be a mild eye irritant

**Skin:** This product has not been tested This product is expected to be a mild skin irritant

**Inhalation:** This product has not been tested This product is not expected to be an inhalation hazard.

**Ingestion:** This product has not been tested This product is expected to be practically non-toxic if swallowed.

## SECTION 12 : ECOLOGICAL INFORMATION

### Ecotoxicity:

**Ecotoxicity:** The environmental impact of this product has not been fully investigated.  
Amorphous Silica:  
Toxicity to algae: EC50 Pseudokirchneriella subcapitata 72h 440 mg/L  
Toxicity to fish: LC50 Brachydanio rerio 96h 5000 mg/L  
Toxicity to daphnia and other aquatic invertebrates: EC50 Ceriodaphnia dubia 48h 7600 mb/L

**Notes :** Important Note: This information relates to the specific product described herein and may not be valid for this material when used in combination with other raw materials. The information provided is without warranty regarding its accuracy or completeness. The information may not be valid under all conditions. The user has the final responsibility for determining the suitability of the product in a given application.

## SECTION 13 : DISPOSAL CONSIDERATIONS

### Description of waste:

**Waste Disposal:** This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, or if chemical additions are made to it.

**Contaminated Packaging:** Dispose of in accordance with local regulations.

## SECTION 14 : TRANSPORT INFORMATION

**DOT Shipping Name:** Self-heating solid, organic, n.o.s. (polybutadiene resin)

**DOT UN Number:** 3088

**DOT Hazard Class:** 4.2

**DOT Packing Group:** II

**DOT Pictograms:**



**IATA Shipping Name:** Self-heating solid, organic, n.o.s. (polybutadiene resin)

**IATA UN Number:** 3088

**IATA Hazard Class:** 4.2

**IATA Packing Group:** II

**IATA Pictograms:**



**IMDG UN Number :** 3088

**IMDG Shipping Name :** Self-heating solid, organic, n.o.s. (polybutadiene resin)

**IMDG Hazard Class :** 4.2

**IMDG Packing Group :** II

## SECTION 15 : REGULATORY INFORMATION

### Safety, health and environmental regulations specific for the product:

**US Federal:** Export Control Classification Number (ECCN): EAR99 (No license required)

**TSCA Inventory Status:** This product does not contain any substances at concentrations above the limits defined in OSHA 29 CFR 1910.1200 that are regulated under the US EPA Toxic Substance Control Act (TSCA).

**EINECS Inventory Status:** Complies

**SARA:** SARA 311/312 Hazard Categories  
Acute Health Hazard - No  
Physical Hazard. - No  
Chronic Health Hazard - No  
Fire Hazard- Yes  
Sudden Release of Pressure Hazard - No  
Reactive Hazard - No

**CERCLA Section 302:** This product, as supplied, does not contain any substances at concentrations above the limits defined in OSHA 29 CFR 1910.1200 that are regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**Clean Air Act:** This product does not contain any substances at concentrations above the limits defined in OSHA 29 CFR 1910.1200 that are regulated as pollutants under the Clean Water Act (CWA).

**California PROP 65:** This product does not contain any Proposition 65 chemicals.

**Risk Phrases:** R36/37/38 - Irritating to eyes, respiratory system and skin. R10 - Flammable.  
**Safety Phrase:** S 7/47 - Keep container tightly closed in steel container and at a temperature not exceeding .35°C.  
S 3/9/14/49 - Keep only in the original container in a cool, well-ventilated place away from heat, sparks and flame.  
. S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

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**SECTION 16 : ADDITIONAL INFORMATION**

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**HMIS Ratings:**

HMIS Health Hazard: 1  
HMIS Fire Hazard: 2  
HMIS Reactivity: 1  
HMIS Personal Protection: J

<b>Health Hazard</b>	<b>1</b>
<b>Fire Hazard</b>	<b>2</b>
<b>Reactivity</b>	<b>1</b>
<b>Personal Protection</b>	<b>J</b>

**SDS Creation Date:** October 23, 2018

**SDS Revision Date:** October 23, 2018

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