



SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: Westco Retarder E

Other means of identification:

Product Description: Westco Retarder E is an effective scorch retarding additive in rubber compounds, especially in those based on EPDM polymers.

Synonyms: Sulfonamides

Recommended use of the chemical and restrictions on use:

Product Use/Restriction: Commonly used in closed cell EPDM and EPDM blend sponge compounds.

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:



Signal Word: WARNING!

GHS Class: * Skin Sensitizer, Category 1.
* Eye Irritant, Category 2.
* Respiratory tract irritant,.

Hazard Statements: * May cause an allergic skin reaction.
* May cause respiratory irritation.
* May cause eye irritation.

Precautionary Statements: Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Use personal protective equipment as required.

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

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

Eye: May cause redness, tearing and swelling.

Skin: May cause allergic skin reaction

Inhalation: May cause upper respiratory irritation.

Ingestion: Not expected to be toxic.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
N-Phenyl-N-(trichloromethylsulfonyl)-benzenesulfonamide	2280-49-1	≥90 by Mole	
CaCO3	471-34-1	≤6.0 by Mole	
Mineral Oil	64742-54-7	≤2.0 by Mole	

SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

Eye Contact:	Flush with water for 15 minutes. Seek medical attention if irritation persists.
Skin Contact:	Remove contaminated clothing and wash before re-use. Immediately wash contaminated skin with running water.
Inhalation:	Remove person to fresh air. Get immediate medical attention if breathing is difficult or short.
Ingestion:	Immediately rinse mouth with water. Seek immediate medical attention.

SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

Suitable Extinguishing Media:	Water spray, Carbon Dioxide, foam, sand or dry chemical.
Unsuitable extinguishing media:	Do not use solid water stream.
Unusual Fire Hazards:	Irritating or toxic gases may be generated from decomposition/combustion products.

Special protective equipment and precautions for fire-fighters:

Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.
Fire Fighting Instructions:	Clear area of all non-emergency personnel. Do not enter confined fire space without full bunker gear including a positive pressure self-contained breathing apparatus. Isolate fuel supply from fire.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personnel Precautions:	Use proper personal protective equipment as listed in Section 8.
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Environmental precautions:

Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.
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Methods and materials for containment and cleaning up:

Spill Cleanup Measures:	Spills: Sweep and place in closable container. Avoid generation of dust. Wear appropriate protective clothing and safety devices. Do not use water to remove spilled material; prevent from entering sewer system or ground water.
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SECTION 7 : HANDLING and STORAGE

Precautions for safe handling:

Handling:	Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing. Material will accumulate static charges, which may cause an electrical spark (ignition source). Use proper grounding procedures.
Hygiene Practices:	Follow good industrial hygiene practices when handling this material. Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

Conditions for safe storage, including any incompatibilities:

Storage:	Store at 40°C maximum temperature in a dry well-ventilated area avoiding direct exposure to sunlight. Avoid generation of dust. Protect from static discharge. Stability in storage: one year
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Specific end use(s):

Work Practices:	Safety showers and eye wash stations should be available.
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SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Appropriate engineering controls:

Engineering Controls:	Provide local exhaust and/or general ventilation to maintain exposure below regulatory and recommended limits.
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Individual protection measures:

Eye/Face Protection:	Wear chemical safety glasses or goggles
Skin Protection Description:	Skin Protective Requirements: Wear protective clothing such as coveralls if skin contact is expected..

Hand Protection Description: Hand Protective Requirements: Wear protective gloves.
Respiratory Protection: Dust/vapor respirator may be needed depending on ventilation.
PPE Pictograms:



Notes : The employee should wear protective clothes and avoid direct physical contact with the product.

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Appearance: White to beige powder
Odor: Slight
Melting Point: 110 deg.C
Density: Bulk Density (g/cm³): 1.68
Solubility: Soluble in acetone, dichloromethane practically insoluble in water.
Flash Point: NA

SECTION 10 : STABILITY and REACTIVITY

Chemical Stability:

Chemical Stability: Stable when stored in original container protected from heat and moisture.

Possibility of hazardous reactions:

Hazardous Polymerization: Does not occur.

Conditions To Avoid:

Conditions to Avoid: Temperature extremes, open flames or electrical sparks.

Incompatible Materials:

Incompatible Materials: Strong oxidizers.

Hazardous Decomposition Products:

Special Decomposition Products: Hazardous products of decomposition: Oxides of nitrogen, carbon and sulfur, hydrogen chloride

SECTION 11 : TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Acute Toxicity: Low toxicity. LD50 acute oral for rats: >2,500 mg/kg
Skin contact for rabbits: Mild irritation.

Eye: Product could cause redness, tearing and swelling of the eyes, with a burning sensation.

Skin: May cause redness and irritation with prolonged exposure.

Inhalation: Prolonged exposure may result in upper respiratory irritation.

Ingestion: Not expected to be toxic

Sensitization: May cause allergic skin reaction.

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity:

Ecotoxicity: No toxicity information given.

SECTION 13 : DISPOSAL CONSIDERATIONS

Description of waste:

Waste Disposal: Product should be disposed of in an EPA approved incinerator in accordance with all local, state, and/or federal regulations.

Contaminated Packaging: Empty containers should be taken to an approved waste handling site. Do not re-use empty containers.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name: Not Regulated.

DOT Pictograms:



IATA Shipping Name: Not Regulated.

IATA Pictograms:



IMDG Shipping Name : Not Regulated.

ICAO Shipping Name: None

SECTION 15 : REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product:

TSCA Inventory Status: Listed

EINECS Inventory Status: Listed

Section 302 EHS: None

Section 311/312 Hazard Categories: Immediate health hazard

Section 313: None

OSHA Process Safety: Hazardous under OSHA standard 29 CFR 1910.1200

RCRA 261.33 Code: Not a hazardous waste

Canada DSL: Listed

Canada NDSL: Not applicable.

Risk Phrases: R36 - Irritating to eyes. R37 - Irritating to respiratory system. R43 - May cause sensitization by skin contact.

Safety Phrase: S36/39 - Wear suitable protective clothing and eye/face protection.



SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

HMIS Health Hazard: 1

HMIS Fire Hazard: 1

HMIS Reactivity: 0

HMIS Personal Protection: J

Health Hazard	1
Fire Hazard	1
Reactivity	0
Personal Protection	J

SDS Revision Date: October 27, 2015

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.

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