



SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: **Westco DTDC-80**

Other means of identification:

Product Description: Westco DTDC-80 is an 80% dispersion with an EPDM/EVM binder used as a vulcanizing agent for natural and synthetic rubber.

Synonyms: DTDC-80, CLD-80

Recommended use of the chemical and restrictions on use:

Product Use/Restriction: Westco DTDC-80 is used in the manufacture of rubber goods.

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: Eye Irritant, Category 2B. Skin Irritant, Category 3.

Hazard Statements: Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction.

Precautionary Statements: Avoid contact with skin and eyes.
Wear protective gloves/protective clothing/eye protection/face protection.

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

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

Eye: May cause irritation.

Skin: Causes skin irritation. May cause sensitisation by skin contact.

Carcinogenicity: Not classified.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
1,1'-dithiobis[hexahydro-2H-azepin-2-one]	23847-08-7	Approx. 80% by weight	
polymeric binder and partitioning agent	Proprietary	≤20 %	

SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

Eye Contact:	After contact with eyes: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical treatment by eye specialist.
Skin Contact:	After contact with skin: Wash off with soap and plenty of water. Consult a doctor if skin irritation persists.
Inhalation:	After inhalation: Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. In the event of persistent symptoms receive medical treatment.
Ingestion:	After ingestion: Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Seek medical treatment immediately.
Notes :	General information: Remove contaminated soaked clothing immediately. If you feel unwell, seek medical advice. Most important symptoms and effects, both acute and delayed: Irritating to eyes and skin. May cause sensitization by skin contact. Indication of any immediate medical attention and special treatment needed.: Treat symptoms.

SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

Suitable Extinguishing Media:	Suitable: Foam, carbon dioxide (CO2), dry chemical, water-spray.
Unsuitable extinguishing media:	Do not use a solid water spray jet as it may scatter and spread fire.

Specific hazards arising from the chemical:

Hazardous Combustion Byproducts:	Carbon monoxide, carbon dioxide, sulphur oxides and nitrogen oxides (NOX). Hydrogen cyanide(HCN)
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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:	Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.
Notes :	Special hazards arising from the substance or mixture.: In the event of fire the following can be released: Carbon monoxide, carbon dioxide, sulphur oxides and nitrogen oxides (NOX). Hydrogen cyanide (HCN) Ignition temperature: Not Determined

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personal Precautions:	Personal precautions, protective equipment and emergency procedures: Use personal protective clothing. Respirator must be worn if exposed to dust.
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Environmental precautions:

Environmental Precautions:	Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.
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Methods and materials for containment and cleaning up:

Methods for containment:	Pick up mechanically, avoiding dust, and provide disposal in suitable recipients.
Methods for cleanup:	Pick up mechanically, avoiding dust, and provide disposal in suitable recipients.
Notes :	Reference to other sections: Observe protective instructions (see Sections 7 and 8). Information for disposal look up chapter 13.

SECTION 7 : HANDLING and STORAGE

Precautions for safe handling:

Handling:	Avoid contact with skin, eyes and clothing. Avoid the formation of dust. Do not breathe dust. Advice on protection against fire and explosion.: Keep away from heat and sources of ignition. Don't smoke.
Hygiene Practices:	Do not breathe dust. Wash hands before breaks and at the end of workday.

When using, do not eat, drink or smoke.
Remove and wash contaminated clothes before re-use.
Avoid contact with skin, eyes and clothing.

Conditions for safe storage, including any incompatibilities:

Storage: Requirements for storage rooms and vessel: Keep container tightly closed in a dry, cool and well-ventilated place.

Advice on storage compatibility:
Incompatible with:
Oxidizing agents, Acids and bases.

Further information on storage conditions: Keep away from food, drink and animal feeding stuffs.

Specific end use(s):

Work Practices: Safety showers and eye wash stations should be available. Safety showers and eye wash stations should be available.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Appropriate engineering controls:

Engineering Controls: Occupational exposure controls: Provide appropriate exhaust ventilation at machinery and at place where dust can be generated.

Individual protection measures:

Eye/Face Protection: Tightly fitting goggles.
Eye wash bottle with pure water.

Skin Protection Description: long sleeved clothing.

Hand Protection Description: Protective gloves resistant to chemicals made off natural-rubber latex, minimum coat thickness 0.6 mm, permeation resistance (wear duration) approx.480 minutes, i.e, protective glove.
This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 Carried out under lab conditions.
Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the Recommendations given by the manufacturer of protective gloves.

Respiratory Protection: Respirator must be worn if exposed to dust.

PPE Pictograms:



SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Form: Solid, granules.

Color: Beige

Odor: Soft

Melting Point: Not Applicable

Density: Approx. 1.25 g/cm³

Vapor Pressure: not determined

pH: pH value: Not applicable

Flash Point: Not Applicable

9.2. Other information:

Notes : Ignition temperature: Not Determined
Explosive limits: Not Determined

SECTION 10 : STABILITY and REACTIVITY

Reactivity:

Reactivity: No decomposition if stored and applied as directed.

Chemical Stability:

Chemical Stability: Stable under normal conditions.

Conditions To Avoid:

Conditions to Avoid: Keep away from heat and sources of ignition.
To avoid thermal decomposition, do not overheat.

Incompatible Materials:

Incompatible Materials: Oxidizing agents, Acids and bases.

Hazardous Decomposition Products:

Special Decomposition Products: Carbon monoxide, carbon dioxide, sulphur oxides, and nitrogen oxides (NOX).
Hydrogen cyanide gas.

Notes : Possibility of hazardous reactions: Reactions with acids, alkalies and oxidizing agents.

SECTION 11 : TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

1,1'-dithiobis[hexahydro-2H-azepin-2-one] :

Eye:	Eyes irritation(rabbit): Severe irritant
Skin:	Skin irritation (rabbit): Slightly irritating.
Ingestion:	LD50/oral/rat: 3650 mg/kg
Sensitization:	May cause sensitization by skin contact.
Carcinogenicity:	Not classified.
Mutagenicity:	Not classified.

SECTION 12 : ECOLOGICAL INFORMATION

1,1'-dithiobis[hexahydro-2H-azepin-2-one] :

Ecotoxicity:

Ecotoxicity: EC50/Daphnia magna/48h = > 100 mg/l
NOEC/Daphnia magna = 100 mg/l

Environmental Stability: Low hazard to waters.
Do not flush into surface water or sanitary sewer system.

Persistence and degradability:

Biodegradation: Persistence and degradability:
Biodegradable (OECD): 36% (28 d)
Not readily biodegradable.

Bioaccumulative potential:

Bioaccumulation: No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Description of waste:

Waste Disposal: Can be landfilled or incinerated, when in compliance with local regulations.
Where possible recycling is preferred to disposal.

Contaminated Packaging: Empty containers should be taken for local recycling, recovery or waste disposal.
Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.
Packaging that cannot be cleaned should be disposed of like the product.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name:	Non regulated.
IATA Shipping Name:	Non regulated.
IMDG Shipping Name :	Non regulated.
ADR Shipping Name :	Non regulated.
RID Shipping Name :	Non regulated.
ICAO Shipping Name:	Non regulated.
Notes :	No hazardous material as defined by the transport regulations.

SECTION 15 : REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product:

Risk Phrases: Irritating to eyes and skin.
May cause sensitization by skin contact.

Safety Phrase: Avoid contact with skin and eyes.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Wear suitable gloves and eye/face protection.
Dispose of this material and its container at hazardous or special waste collection point.



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: April 13, 2016

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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