



SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: **Westco BPH-50**

Other means of identification:

Product Description: BPH-50 is a 50% dispersion of DBPH organic peroxide on an inert carrier for easier handling and improved working conditions.

Synonyms: E(DBPH)50; 2,5 dimethyl-2,5 di(t-butylperoxy)hexane on an inert filler

Recommended use of the chemical and restrictions on use:

Product Use/Restriction: Westco BPH-50 can be used to cure polyethylene and most elastomers, including EPDM, CSM, NBR, SBR, and Silicone.

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: DANGER! CAUTION!

GHS Class: Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Eye Irritation, Category 2A

Hazard Statements: Heating may cause a fire.
Causes skin irritation.
Causes serious eye irritation.

Precautionary Statements: Keep away from heat, sparks, open flames or hot surfaces. No smoking.
Keep and store away from clothing and combustible materials.
Keep only in original container
Wash hands thoroughly after handling.
Wear protective gloves, protective clothing, and eye/face protection.
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.
Specific treatment see section 4.
If skin irritation occurs, get medical advice/attention.
If eye irritation persists, get medical advice or attention.
Take off contaminated clothing and wash before re-use.
Protect from sunlight.
Store in cool place.
Store away from other materials.
Dispose of contents and containers per section 13.

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

2,5-Dimethyl-2,5-di- (tert-butylperoxy)hexane

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

Eye: Causes eye irritation.

Skin: Causes skin irritation. May be harmful if absorbed through the skin.

Inhalation: May be harmful if inhaled.

Ingestion: May cause irritation of the digestive tract.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
2,5-Dimethyl-2,5-di- (tert-butylperoxy)hexane	78-63-7	45.00-55.00 %	
Polyolefin Polymer	N/A	45.00-55.00 %	

SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin Contact: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Ingestion: Do NOT induce vomiting. Get medical aid. Wash mouth out with water.

Indication of immediate medical attention and special treatment needed:

Note to Physicians: Treat symptomatically and supportively.

SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Strong oxidizer. Contact with other material may cause fire. Will burn if involved in a fire. Flammable liquid and vapor.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

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

Methods and materials for containment and cleaning up:

Spill Cleanup Measures: Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition. Use a spark-proof tool.

SECTION 7 : HANDLING and STORAGE

Precautions for safe handling:

Handling: Use spark-proof tools and explosion proof equipment. Avoid breathing dust, mist, or vapor. Avoid contact with skin and eyes. Avoid mechanical shock and friction.

Hygiene Practices: Follow good industrial hygiene practices when handling this material.

Conditions for safe storage, including any incompatibilities:

Storage: Store in a tightly closed container. Keep away from strong acids. Keep away from reducing agents. Keep away from polymerization catalysts. Do not exceed 60°C (140°F).

Specific end use(s):

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

Notes : Contamination and high temperature can cause decomposition with a force if confined.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Appropriate engineering controls:

Engineering Controls: Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Individual protection measures:

Eye/Face Protection: Wear chemical splash goggles.

Skin Protection Description: Wear appropriate protective clothing to prevent skin exposure.

Hand Protection Description: Wear appropriate protective gloves to prevent skin exposure.

Respiratory Protection: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

PPE Pictograms:



SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Solid
Physical State Appearance: Polymeric slabs or 5mm cubes
Color: White
Specific Gravity: 1.00 ± .10
Flash Point: No Information Provided.
Lower Flammable/Explosive Limit: No Information Provided.
Auto Ignition Temperature: No Information Provided.

SECTION 10 : STABILITY and REACTIVITY

Chemical Stability:

Chemical Stability: Stable.

Possibility of hazardous reactions:

Hazardous Polymerization: Will not occur

Conditions To Avoid:

Conditions to Avoid: Data not available

Incompatible Materials:

Incompatible Materials: Strong acids, Strong oxidizing agents, Reducing agents, Accelerators, brass and copper and Iron.

Hazardous Decomposition Products:

Special Decomposition Products: Carbon oxides, Hazardous organic compounds

SECTION 11 : TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

2,5-Dimethyl-2,5-di- (tert-butylperoxy)hexane :

ACGIH: Not Listed.

IARC: Not Listed.

NTP: Not Listed.

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity:

Ecotoxicity: No data available for this material.

SECTION 13 : DISPOSAL CONSIDERATIONS

Description of waste:

2,5-Dimethyl-2,5-di- (tert-butylperoxy)hexane :

Waste Disposal: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name:	Organic peroxide type E, solid, (2,5-DIMETHYL-2,5-Di(tert-butylperoxy)hexane, <77%)
DOT UN Number:	UN3108
DOT Hazard Class:	5.2 ORGANIC PEROXIDE
DOT Packing Group:	II
DOT Pictograms:	
IATA Shipping Name:	Organic peroxide type E, solid, (2,5-DIMETHYL-2,5-Di(tert-butylperoxy)hexane, <77%)
IATA UN Number:	3108
IATA Hazard Class:	5.2 - ORGANIC PEROXIDE
IATA Packing Group:	II
IATA Pictograms:	
IMDG UN Number :	3108
IMDG Shipping Name :	Organic peroxide type E, solid, (2,5-DIMETHYL-2,5-Di(tert-butylperoxy)hexane, <77%)
IMDG Hazard Class :	5.2 - ORGANIC PEROXIDE
IMDG Packing Group :	II
ADR UN Number:	3108
ADR Shipping Name :	Organic peroxide type E, solid, (2,5-DIMETHYL-2,5-Di(tert-butylperoxy)hexane, <77%)
ADR Hazard Class:	5.2 - ORGANIC PEROXIDE
ADR Packing Group :	II
RID UN Number :	3108
RID Shipping Name :	Organic peroxide type E, solid, (2,5-DIMETHYL-2,5-Di(tert-butylperoxy)hexane, <77%)
RID Hazard Class :	5.2 - ORGANIC PEROXIDE
RID Packing Group :	II
ICAO UN Number :	3108
ICAO Shipping Name:	Organic peroxide type E, solid, (2,5-DIMETHYL-2,5-Di(tert-butylperoxy)hexane, <77%)
ICAO Hazard Class :	5.2 - ORGANIC PEROXIDE
ICAO Packing Group :	II
Notes :	Additional Transport Information: ERG # 145

SECTION 15 : REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product:

2,5-Dimethyl-2,5-di- (tert-butylperoxy)hexane :

TSCA Inventory Status:	All ingredients of this product are listed or exempted from the EPA TSCA Inventory.
Section 302 EHS:	Not listed
Section 304 RQ:	Not listed
Section 313:	Not listed
California PROP 65:	Not listed
New Jersey:	Not listed
Massachusetts:	Not listed
Pennsylvania:	Not listed
Michigan:	Not listed
New York:	Not listed

Polyolefin Polymer :

TSCA Inventory Status:	All ingredients of this product are listed or exempted from the EPA TSCA Inventory.
Section 302 EHS:	Not listed
Section 304 RQ:	Not listed
Section 313:	Not listed
California PROP 65:	Not listed
New Jersey:	Not listed
Massachusetts:	Not listed
Pennsylvania:	Not listed

Michigan: Not listed
 New York: Not listed
 Risk Phrases: R10 - Flammable. R36 - Irritating to eyes. R38 - Irritating to skin.
 Safety Phrase: S15 - Keep away from heat. S16 - Keep away from sources of ignition - No smoking. S17 - Keep away from combustible material. S49 - Keep only in the original container. S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection. S28 - After contact with skin, wash immediately with plenty of water.



SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

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

Health Hazard	2
Fire Hazard	2
Reactivity	2
Personal Protection	J

SDS Creation Date: November 23, 2015

SDS Revision Date: November 23, 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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