

# WESTERN RESERVE CHEMICAL

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## MATERIAL SAFETY DATA SHEET

### WESTCO BPH-50

CAS #

MIXTURE

#### 1. Product Identifications

Product Name:	Westco BPH-50		
Composition	CAS#	% by WT	
2,5-dimethyl-2,5-di(t-butylperoxy)hexane	78-63-7	>45	
Precipitated silica, non crystalline	112926-00-8	26	
Calcium carbonate	471-34-1	22	
3,3,6,6 tetramethyl-1,2 dioxycyclohexane	22431-89-6	2-3	
di-t-butyl peroxide	110-05-4	1-2	

#### 2. Physical Description/Properties

Specific Gravity:	1.5
Density:	NA
PH Value	NA
Appearance:	White powder
Odor:	Slight
Solubility:	Insoluble in cold water

#### 3. Hazard Information

##### **Combustible dust**

Keep away from heat, sparks and flame. Eye irritant-Can cause redness, tearing and swelling. Skin contact may cause allergic reaction. Inhalation may cause upper respiratory irritation. Slight ingestion hazard.

**4. First Aid Information**

Skin: Remove contaminated clothing and wash before re-use. Immediately wash contaminated skin with running water.

Ingestion: Immediately rinse mouth with water. Do not induce vomiting. Seek immediate medical attention.

Eyes: Flush with water for 15 minutes. Seek medical attention if irritation persists.

Inhalation: Remove person to fresh air. Get immediate medical attention if breathing is difficult or short.

**5. Handling and Storage**

Storage: Store below 100°F, in a dry well-ventilated area avoiding direct exposure to sunlight

Stability in storage: one year

**6. Employee Protection Recommendations**

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

Eye Protection: Wear chemical safety glasses or goggles

Hand Protective Requirements: Wear protective gloves.

Skin Protective Requirements: Wear overalls.

Ventilation: Local exhaust

**7. Toxicological Information**

Low toxicity

LD50 acute oral for rats: 32000mg/kg

LD50 acute skin for rabbits: >2000mg/kg

**8. Fire and Explosion Data**

Flash point: Not available

Exposure standard limits: Not available

Flammable In open flames and sparks of heat.

Extinguish Media: Spray water, Carbon Dioxide, sand or dry chemical.

## **9. Reactivity**

Self accelerating decomposition temperature is 180°F.

Chemical stability: Stable when stored in original container protected from heat, flames, sparks and other ignition sources.

Hazardous Polymerization: Does not occur.

Materials to avoid: Strong oxidizers and acids.

Hazardous products of decomposition: Carbon monoxide, carbon dioxide.

## **10. Accidental Release and Disposal**

Spills: For small spills sweep and place in closable container. Avoid generation of dust. For large spills avoid contact with combustible materials. Do not use metal tools. Keep damp, using water spray. Prevent entry into sewers.

Disposal: Bury waste and empty containers in licensed landfill in adherence to federal, state and local regulations.

## **11. Transportation Information**

DOT Status	Class 5.2, organic peroxide
DOT shipping name	Organic peroxide type E, solid [50% 2, 5 dimethyl-2,5di-(t-butylperoxy)Hexane] UN3108,5.2,PG11.
DOT reportable qty. (lbs)	1001
UN/NA number	3108

## **12. Regulatory Information**

Worldwide Inventory Status	
TSCA (USA):	Listed
Canadian DSL	Listed
EINECS/ELINCS (Europe):	Listed
Japanese Inventory (ENCS):	Listed
Australian Chemical Inventories (AICS):	Listed

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China (CLECS):	Listed
US Regulatory Rules	
SARA Section 302:	2,5-dimethyl-2,5-di(t-butylperoxy) Hexane;
SARA 311/312 Hazard Categories:	Immediate (acute) health Hazard and fire hazard, reactive.
SARA 313 Chemical:	None
RCRA Status:	Hazardous waste code D003
Other Regulations:	
California Proposition 65:	NONE
New Jersey Right-to-know List:	2,5 dimethyl-2,5 di(t-butylperoxy) hexane
Pennsylvania Right-to-Know List:	Di-t-butylperoxide
Florida Right-to-Know:	Di-t-butylperoxide
MA Right-to-Know Law:	Precipitated silica;Di-t- butylperoxide

### **13. Other Information**

OSHA: Hazardous by 29 CFR 1910.1200 standard

HMIS Classification Health 1 Flammability 3 Reactivity 2

Important Note: 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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