

## WESTERN RESERVE CHEMICAL

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# MATERIAL SAFETY DATA SHEET

## OBSH

CAS #

**80-51-3**

### 1. Product Identifications

Product Name: OBSH  
Chemical Name: p,p' oxybis (benzene sulfonyl) hydrazide  
Formula:  $C_{12}H_{14}N_4O_5S_2$

### 2. Physical Description/Properties

Specific Gravity: 1.53  
PH Value: 6-8  
Appearance: White powder  
Decomposition Point: 157-163°C  
Solubility in water: Insoluble

### 3. Hazard Information

Flammable solid. May cause skin, eye and respiratory tract irritation.  
May emit irritating and toxic gases if ignited.

Eye Contact: Avoid eye contact. Prolonged eye contact with dust may cause irritation such as itching, reddening, tearing and burning.

Skin Contact: Avoid skin contact. Repeated or prolonged contact with skin may cause irritation such as itching, reddening, tearing and burning.  
Not absorbed through skin.

Ingestion: Non-toxic.

Inhalation: Exposure to dust can cause respiratory tract irritation.

**4. First Aid Information**

Skin:	Slightly irritating, avoid skin contact. Infrequent skin contact is not expected to cause damage to skin. Repeated or prolonged contact with skin may cause reddening, itching and inflammation.
Ingestion:	Nontoxic, ingestion of large amounts is unlikely. Ingestion of small amounts is not likely to cause acute toxicity or internal damage. Possible mild gastrointestinal irritation with nausea, diarrhea and vomiting if large amounts are ingested.
Eyes:	Nonirritant, but avoid eye contact. Prolonged eye contact with dust may cause irritation such as itching, reddening, tearing and burning.
Inhalation:	Single exposure to dust is not expected to irritate. No incidents of dust inhalation health effects have been reported.

**5. Handling and Storage**

Storage:	Store in a dry well-ventilated area avoiding direct exposure to sunlight
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**6. Employee Protection Recommendations**

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**

Oral LD50 (Rat)	2,300mg/kg
Dermal LD50 (Rabbit)	>200mg/kg

**8. Fire and Explosion Data**

Decomposition point:	157-163°C
Exposure standard limits:	Not available
Extinguish Media:	Spray with water or dry chemical

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### **9. Reactivity**

Chemical stability: Stable when stored in original container protected from heat and moisture. Store below 50°C.

Hazardous Polymerization: Does not occur.

Materials to avoid: Strong oxidizers, acids and bases. Avoid contact with nitrates.

Hazardous products of decomposition: Heated above 200°C can generate oxides of nitrogen, sulfur and carbon.

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

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.

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

### **11. Transportation Information**

DOT shipping name	Self-reactive, flammable, solid, type D (benzene sulfonyl hydrazide), 4.1, UN3226, PGII
DOT reportable qty. (lbs)	1,001
UN/NA number	3226

### **12. Regulation Information**

TSCA (USA):	All components are listed
Canadian DSL:	All components are listed
Canadian NDSL:	Not Applicable. Listed on the DSL.
EINECS/ELINCS (Europe):	All components are listed.

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US Regulatory Rules	
SARA Section 302:	None found
SARA 311/312 Hazard Categories:	Immediate health hazard
SARA 313 Chemical:	None
Other Regulations:	
California Proposition 65:	None
New Jersey Right-to-Know List:	Not Applicable.
Pennsylvania Right-to-Know List:	Not Applicable.
Florida Right-to-Know List:	Not Applicable.
Minnesota Right-to-Know List:	Not Applicable.
MA Right-to-Know List:	Not Applicable.
FDA Status 21 CFR:	Regulated for Use under the following sections of 21 CFR: 177.2600 Rubber Articles intended for repeated use in food contact.

### **13. Other Information**

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.