

WESTERN RESERVE CHEMICAL

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MATERIAL SAFETY DATA SHEET

WESTCO ODES

CAS #

13752-51-7

1. Product Identifications

Product Name: Westco ODES
Chemical Name: N-oxydiethylenethiocarbamyl-N'-oxydiethylene Sulfenamide

2. Physical Description/Properties

Specific Gravity: 1.35
Melting Point (C° Min): 130
Appearance: White to off-white powder
Odor: Slight Odor
Taste: Slight Bitter
Solubility: Soluble in Toluene and Methyl alcohol;
insoluble in water.
Volatiles % <0.5
Ash % <0.5
Sieve residue(63um) <0.5

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.

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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 in a dry well-ventilated area avoiding direct exposure to sunlight
Stability in storage:	two years

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: 5100mg/kg

LD50 acute skin for rats: >10,000mg/kg

8. Fire and Explosion Data

Flash point: Not available

Exposure standard limits: Not available

Flammable

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

9. Reactivity

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

Hazardous Polymerization: Does not occur.

Materials to avoid: Strong oxidizers.

Hazardous products of decomposition: 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 Status	Not regulated
DOT shipping name	None
DOT reportable qty. (lbs)	None
ICAO/IATA Status	Not regulated
Proper shipping name	None
UN/NA number	None
IMDG Status	Not regulated
TDG Canada	Not regulated

12. Regulatory Information

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

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Phillipines (PICCS) Inventory:	Listed
China (CLECS):	Listed
US Regulatory Rules	
SARA Section 302:	Hazardous chemicals: Nitrosomorpholine, Morpholine
SARA 311/312 Hazard Categories:	Immediate, delayed health hazard
SARA 313 Chemical:	Nitrosomorpholine, Morpholine
CERCLA:	Hazardous substance: Nitrosomorpholine: 1 lb.
Other Regulations:	
California Proposition 65:	This product contains ingredients that the state of California has found to cause cancer: Nitrosomorpholine.
New Jersey Right-to-know List:	Nitrosomorpholine
Pennsylvania Right-to-Know List:	Nitrosomorpholine; Morpholine
Florida Right-to-Know:	Morpholine
Minnesota Right-to-Know:	Morpholine
MA Right-to-Know Law:	Nitrosomorpholine; Morpholine
New Jersey:	Nitrosomorpholine; Morpholine
Illinois:	Morpholine
Connecticut:	Morpholine
R.I.:	Morpholine
LA:	Morpholine

13. Other Information

HMIS Classification Health 2 Flammability 1 Reactivity 0

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.

5/07