

For chemical emergency, spill, leak, fire, exposure, or accident,
call Chemtrec - day or night 1-800-424-9300

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF PRODUCT

Manufacturer's Name: Continental Sulfur
Company, LLC
P.O.Box 191
Kilgore, TX 75662

Emergency Phone No: Chemtrec
(800) 424-9300
(24 hours)

**Trade Name
and Synonyms:** CSC Thioben 90

**Chemical Name
and Synonyms:** Sulfur

Chemical Family: Sulfur

**EPA Registration
Number:** 55429-4

Unusual Fire and Explosion Hazards: Contain run
off by diking to prevent contamination of water
supplies. Dusts may form explosive mixtures with
air. Temperature

NFPA Hazard Rating

0	Least		
1	Slight	2	Health
2	Moderate	1	Flammability
3	High	1	Reactivity
4	Severe		

2. PRODUCT COMPONENTS

Component:	%	Threshold Value (units):
Sulfur (CAS No. 7704-34-9)	90.0	None established

Contains no substances
listed as toxic by SARA
313. Contains no substances
known to be carcinogens. 10.0 —

3. PHYSICAL INFORMATION

Appearance and Odor: Solid amber crystals,
characteristic odor

Solubility in Water: Insoluble

Bulk Density: 30 - 40 lbs./cu.ft.

Melting Point: 115 °C/214 °F

4. FIRE AND EXPLOSION HAZARD INFORMATION

Flash Point (test method): 207 °C (INRS)

Explosive Limits in Air:
Lower -35 g/m₃
Upper - 1400 g/m₃

Fire Extinguishing Media: Dry chemical, carbon
dioxide, foam, water spray or fog

Auto Ignition Temperature: 232 °C

Special Fire Fighting Procedures: Use self-contained
breathing apparatus.

Hazards Classification (40CFR370):

Immediate Health: YES

Delayed Health: NO

Fire: YES

Sudden Pressure: NO

Reactivity: NO

Section 313 (40CFR372): This product contains the
following chemicals subject to SARA Section 313
reporting requirements: Sulfur.

5. REACTIVITY INFORMATION

Stability: Stable

Conditions to Avoid: Strong oxydizers

Hazardous Decomposition

Products: None

Hazardous Polymerization: None

Conditions to Avoid: Open flames, sparks, ignition
sources

6. HEALTH INFORMATION

Toxicological Test Data:

Oral (Acute)

LD₅₀> 2,000 mg/kg

Dermal (Acute)

LD₅₀> 2,000 mg/kg

Inhalation (Acute)

LC₅₀> 1.35 mg/L (4HR)

Chronic, Subchronic, etc.

There are no known risks of oncogenic,
teratogenic or reproductive hazards
associated with sulfur.

CSC90.214

Effects of Overexposure: Route of entry: ingestion, inhalation, eyes and skin contact. Most likely route of entry: dermal, inhalation. Product is considered to be of low to moderate toxicity. May be harmful if swallowed or inhaled. May cause irritation of eyes, nasal passages, throat and skin. Prolonged or repeated exposure may increase irritation, particularly to eyes and mucous membranes. Overexposure can lead to nausea, diarrhea, gastrointestinal distress, headaches, weakness, and in severe cases possible liver and kidney damage.

Emergency and First Aid Procedures: *Call a physician immediately in all cases of suspected poisoning,*

Ingestion: Induce vomiting; give plenty of water.

Eyes: Flush with plenty of water for at least 15 minutes while holding eyelids open. If irritation persists, get medical attention.

Skin: Remove all contaminated clothing. Wash skin and hair thoroughly with soap and water. Wash clothing before reuse.

Inhalation: Remove to fresh air. If irritation persists, get medical attention.

Medical Conditions Aggravated by Exposure: Preexisting skin or respiratory disorders may be aggravated by excessive exposure to this material,

Potential Carcinogen Status: None listed by IARC, NTP or OSHA.

7. SPILL OR LEAK PROCEDURES

Steps to Be Taken in Case Material is Leaked or Spilled: Contain spill; vacuum, scoop or sweep up and place in container for disposal.

Waste Disposal Method: Check local, state and Federal regulations for disposal.

8. SPECIAL PROTECTION INFORMATION

Protective Clothing:

Eye Protection (Type): Safety goggles

Gloves (Type): Rubber gloves

Respiratory Protection: If dusts exceed acceptable levels, or if irritation occurs, wear MSHA/NIOSH-approved mask or respirator for protection against pesticide dust.

Other Clothing: Long-sleeved shirt and long pants, shoes and socks.

Ventilation:

Local Exhaust: Provide in confined areas

Mechanical (General): If ventilation is not adequate, provide vents

Special: Not normally required

Other: Work in a well-ventilated area

EPA HANDLER REQUIREMENTS

Worker Protection Standard

40 CFR 170

Note: the following PPE requirements address handler/applicator requirements under FIFRA and may differ from what is felt necessary to address a clean up, needs during formulation/manufacturing or other times of involvement with the product.

Personal Protective Equipment: Applicators and other handlers must wear long-sleeved shirt and long pants, chemical-resistant gloves, and shoes plus socks

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry

9. SPECIAL PRECAUTIONS

Handling and Storage: Store in a cool, dry place away from children, food and feed products. Keep work and storage area clean

Other Precautions: Toxic to fish and other aquatic organisms.

10. REGULATORY INFORMATION

SARA TITLE III HAZARD CATEGORY:

Immediate: YES

Delayed: NO

Fire: YES

Reactive: NO

Sudden Release of Pressure: NO

SUBSTANCES REGULATED UNDER SARA, TITLE III, SECT. 313:

DATE OF ISSUE: 7/15/2000

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