

# MATERIAL SAFETY DATA SHEET

Drexel Chemical Co.  
1700 Channel Avenue  
Memphis, TN 38113  
(901) 774-4370

Emergency Telephone No.

1-800-424-9300 (ChemTrec)

## SECTION I – GENERAL INFORMATION

TRADE NAME: CAPTAN 4L  
CHEMICAL NAME: N-Trichloromethylthio-4 Cyclohexene-1, 2-Dicarboximide  
CHEMICAL FAMILY: Dicarboximide (Fungicide)  
EPA REG. NO.: 19713-156  
SIGNAL WORD: DANGER

## SECTION II – INGREDIENTS (Class = H (Hazardous), NH (Non-Hazardous))

NAME	CAS NO.	% (by wt.)	TLV	CLASS
Captan	133-06-2	37.99	5.0mg/m <sup>3</sup>	H
Related derivatives	N/A	0.58	N/A	H
Inerts	N/A	61.43	N/A	NH

## SECTION III – PHYSICAL DATA

Boiling Point: >212°F Specific Gravity: 1.24 gms/cc  
Vapor Pressure: NK % Volatiles: N/A  
Vapor Density: N/A Solubility in Water: dispersible  
pH: 4.0-5.0 Appearance/Odor: Tan colored liquid, mild odor

## SECTION IV – FIRE & EXPLOSION DATA

Flash Point: 200°F (Non-combustible)  
Extinguishing Media: Carbon dioxide, dry chemical, foam, water spray  
Fire Fighting Procedures: Smoke may present unusual hazards. In an enclosed building wear self-contained breathing apparatus. Contain water runoff.

## SECTION V – REACTIVITY DATA

Stability: Stable  
Conditions to Avoid: Extreme temperatures  
Incompatibility: Avoid contact with strong alkalis  
Hazardous Decomposition Products: May produce oxides of sulfur, nitrogen, toxic chlorine compounds, possible CO  
Hazardous Polymerization: Will not occur

## SECTION VI – HEALTH HAZARD DATA

Carcinogenicity: N/A  
Toxicity Data: Oral LD50 (Rat) = 9 gms/kg (Tech)  
Dermal LD50 (Rabbit) = >2,000 mg/kg (Tech)  
TLV: 5.0 mg/m<sup>3</sup>  
N.F.P.A.: Health: 3, Fire: 0, Reactivity: 0  
(Rating: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Insignificant)  
Effects of Overexposure: Causes irritation of skin, diarrhea, difficulty in breathing. Avoid ingestion.

## SECTION VII – EMERGENCY PROCEDURES

**If in Eyes:** Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**If Swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious or convulsing person.

**If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

**If on Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378 Monday through Friday, 7:30 am to 3:30 pm PST.

**Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

## SECTION VIII- SPILL OR LEAK PROCEDURES

Steps to be taken in case of material leak or spill  
Pick up spills with absorbent material and place in suitable containers. Prevent runoff if possible. Assure that protective equipment is worn.

Waste Disposal Method  
Dispose of in accordance with Local, State, and Federal Regulations.

## SECTION IX – SPECIAL PROTECTION INFORMATION

Respiratory Protection: NIOSH approved pesticide respirator  
Ventilation: General recommended  
Protective Gloves: Chemical resistant  
Eye Protection: Chemical goggles  
Other: Long-sleeved shirt and pants, shoes plus socks and a chemical-resistant apron when cleaning, mixing or loading.

**SECTION X – SPECIAL PRECAUTIONS**

Precautions To Be Taken In Handling & Storage

KEEP OUT OF REACH OF CHILDREN. FOLLOW LABEL DIRECTIONS CAREFULLY.

Store in a cool, dry place. Keep away from children and away from food or feed. Avoid eye or skin contact. Toxic to fish and wildlife.

D.O.T. Description: UN-3082, Environmentally Hazardous Substance, Liquid, N.O.S., (Captan), 9, PG-III, RQ 10 lbs.

Freight Description: Agricultural Fungicide, Liquid, N.O.S.

E.R.G. Guide Sheet: 171

ICAO/IATA Classification

Proper shipping name: Environmentally hazardous substance, liquid, N.O.S.

Class: 9

UN ID #: UN-3082

Packing group: III

Reportable Quantity: 10 Lbs.

The information presented herein for consideration, while not guaranteed, is true and accurate to the best of our knowledge. No warranty, or guaranty is expressed or implied regarding the accuracy or reliability of such information and we shall not be liable for any loss or consequential damages arising out of the use thereof.

Date Prepared: 12-18-2012