MATERIAL SAFETY DATA SHEET

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Emergency Phone: 214-985-8677 Chemtrec Emer. No: 800-424-9300

202-483-7616 DC:

HAZARD RATING (HMIS) HEALTH : 1

CAS Number

FLAMMABILITY REACTIVITY

FERSONAL FROTECTION: J

IDENTITY

Product Name Gustafson Captan 30-DD Seed Protectant

Mixture Chemical Name & Synonyms

N-(trichloromethyl) thio-4-cyclohemene-1 2-dicarboximide

Trade Name & Synonyms

Captan

Chemical Formula

Chemical Family

Mi::ture

Mixture

HAZARDOUS INGREDIENTS

OSHA FEL ACGIH TLV Other TLV Hazardous Components (CAS No.) % 5 mg/m³ 5 mg/m³ Captan and related derivatives 30.0 (133-06-2)

Rhodamine Dye (81-88-5)

1.7

NE NE

NE

Proprietary Binder

Trade Secret¹

5 mg/m³ 5 mg/m³

NE

*Identity available as provided in 29 CFR 1910.1200(i).

PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

pr (As Is) Appearance 4.0 - 6.8Liquid Color Vapor Density

Sp. Grav. Freezing Ft. 1.18 20°F Bulk Density

Boiling Foint 215°F. 9.8 lb/gal

Red Sol. (Water) Vapor Fressure Miscible NE

Odor Fungent % Volatiles NE

Flash Foint

Extingushing Media

Water fog, CO2, Foam 32009F (COC) Special Fire Fighting Frocedures: Wear full protective clothing and self-contained breathing apparatus if involved in fire.

Unusual Fire Or Explosion Hazards: May decompose under fire conditions to give off toxic materials.

HEALTH HAZARDS

Oral LDso >5000 mg/kg (Rat) Dermal LDeo >2000 mg/kg

Inhalation LCoo NE

Effects To Eyes Moderate Severe eye irritant

Effects To Skin

Route(s) of Entry Dermal, Inhalation

Effects of Acute Overexposure: Lacrimation, depression, labored breathing, irritability, oliguria, alkalinuria, glycosuria, hematuria and mortality. May cause allergic skin reaction.

Effects Of Chronic Overexposure: Captan and Rhodamine have caused cancer in laboratory animal testing. Captan has caused reproductive effects in laboratory animal testing.

Emergency First Aid Frocedures

Skin: Wash skin with soap and warm water. If additional symptoms develop, see a physician.

Eyes: Wash eyes with flowing water for at least 15 minutes. Obtain immediate medical attention. . . .

Ingestion: If conscious, induce vomiting. Call a physician. Inhalation: If not breathing, administer CPR. Remove to fresh air if irritation or any symptoms develop. If symptoms persist, call a physician.

NORMAL HANDLING FROCEDURES

Frecautions To Be Taken In Handling And Storage: Do not get into eyes, on skin or on clothing. Do not take internally. Avoid breathing fumes or mist. Upon contact, wash exposed areas with soap and warm water. Store in a cool, dry area away from food or feed in an area designated for pesticides.

Corrosive Action On Materials (Metals, Flastic, Rubber, Etc.): NE

FROTECTIVE EQUIPMENT
Eyes: Goggles or face shield
Gloves: Impervious
Other: NIOSH/MHSA approved
respirator, coveralls

VENTILATION REQUIREMENTS Local exhaust or general ventilation required when dictated by local conditions.

SPILL OR LEARAGE PROCEDURES (CONTROL PROCEDURES)

Steps To Be Taken In Case Material Is Released Or Spilled: Wear appropriate safety equipment. Absorb on suitable dry absorbant and shovel or sweep up and place into approved DOT container and seal. Scrub contaminated area with detergent and handle as above. Repeat as necessary. Flush area with water while observing proper environmental considerations.

In case of large spills, notify emergency telephone number on front of this sheet.

Waste Disposal Method: Festicide wastes are acutely hazardous.

Improper disposal of excess pesticides, wastes or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Festicide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EFA regional office for guidance.

REACTIVITY DATA

Stable [X] Hazardous May Occur [X]
Unstable [] Folymerization Will Not Occur [X]
Conditions to Avoid: Captan decomposes at temperatures above 300 F.
Incompatibility (Material To Avoid): Strong alkaline and oxidizing agents. sulfur, and sulfur with moisture.
Hazardous Decomposition Froducts: Incomplete combustion can produce HCl, phosgene and carbon monoxide.

SHIPPING DATA

D.O.T. Shipping Name
RO Captan Mixture ORM-E NA9099
D.O.T. Hazard Classification
Frimary: ORM-E
D.O.T. Labels Required
NA

Reportable Quantity Under CERCLA 3.3 lbs

Secondary: NA
Freight Classification
Insecticide or Fungicide,
Agricultural, N.O.I., Liquid

Froduct No: 7501-9 Issue Date: 10/85 Issued By: JCR Reason For Issue: Revise MSDS

NE-Not Established NA-Not applicable

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