

KRISS PREMIUM PRODUCTS, INC.
3400 EAST 42ND STREET
MINNEAPOLIS, MN 55406

EMERGENCY NUMBER:
CHEM TREC 1-800-424-9300 (24 hrs)
INFORMATION: 612-722-8485

MATERIAL SAFETY DATA SHEET

Trade Name: CWT - 30

TSCA INVENTORY/CAS # 142-59-6/128-04-01

EPA REG NO. 31910-02-58592

EPA ESTABLISHMENT NO: 58592-MN-1

CHEMICAL NAME: DISODIUM ETHYLENEBISDITHIOCARBAMATE/SODIUM DIMETHYLDITHIOCARBAMATE

SECTION 1: HAZARDOUS INGREDIENTS

<u>Hazardous Ingredient</u>	<u>OSHA-TWA,ppm</u>	<u>ACGIH-TWA,ppm</u>
DISODIUM ETHYLENEBISDITHIOCARBAMATE	NE	NA
ETHYLENE THIOUREA	NE	NA
ETHYLENEDIAMINE	10 PPM	10 PPM
DIMETHYLAMINE	10 PPM	5 PPM
SODIUM DIMETHYLDITHIOCARBAMATE	NE	NA

SECTION 2: PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: (F/C) > 212/100

Specific Gravity: (H₂O = 1) 1.176 20 DEGREES C

Vapor Pressure (mm Hg) : N/A

Melting Point: N/A

Vapor Density (Air – 1): N/A

Evaporation Rate (Water = 1) 1

Solubility in Water: COMPLETE

Freezing Point (F/C): 32/0

Percent volatile: 70, water

Typical pH: 10.5 to 12.4

Appearance and Odor: Yellow-green solution with a characteristic sulfur odor.

SECTION 3: FIRE AND EXPLOSION HAZARD DATA

Flash Point: Non-flammable as supplied

Flammability Limits: LEL: Non-flammable

UEL: Non-Flammable

Extinguishing Media:

Use water spray, dry chemical, or Carbon Dioxide as an extinguishing agent.

Special Fire Fighting Procedures:

Wear self contained breathing apparatus while extinguishing fire.

Key: 0 –MINIMAL, 1-SLIGHT, 2-MODERATE, 3-SERIOUS, 4-SEVERE

NR: NOT REQUIRED, NE: NOT ESTABLISHED, N/A: NOT APPLICABLE

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SECTION 3: FIRE AND EXPLOSION HAZARD DATA cont'd

Unusual Fire Explosion Hazards:

Product is non-flammable as supplied. Do not depend on ambient air for breathing air supply during fires. Fire may result into release of toxic gases such oxides of carbon, nitrogen, and sulfur.

NFPA RATINGS: **HEALTH: 2** **FIRE: 0** **REACTIVITY: 0** **SPECIFIC: -**

PROTECTIVE EQUIPMENT: 2

SECTION 4 – REACTIVITY DATA

Stability: STABLE

Hazardous Polymerization:

Will not occur.

Conditions to Avoid:

Acidification release flammable gases.

Materials to Avoid:

Mineral acids such as sulfuric, nitric, and hydrochloric.

Hazardous Decomposition Products:

A - Thermal decomposition may release gases such as amines and carbon disulfide.

B - Combustion of dry film may release oxides of carbon, nitrogen, and sulfur.

SECTION 5: HEALTH HAZARDS

Routes of Entry/Effects of Exposure:

Inhalation: Vapors may be irritating to nose, throat, and respiratory tract producing symptoms of nausea in poorly ventilated areas.

Eye Contact: Possibly irritating to eyes.

Skin Contact: Slightly irritating to skin.

Ingestion (swallowing): May cause nausea and vomiting.

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SECTION 5: HEALTH HAZARDS CONT'D

Routes of Entry/Effects of Exposure Cont'd:

Target Organ Effect: Product contains < 1% Ethylene thiourea which has been determined to be a teratogen and oncogen in laboratory animals.

Toxicity:

Oral LD 50 – Rats	1.4 gm/Kg
Dermal LD 50 – Albino rabbit	> 2.0 gm/Kg
Acute Inhalation LD 50 – Rats	> 21.7 mg/liter

Delayed Effects: NE

Carcinogenicity: Product contains < 1% Ethylene thiourea which has been determined to be a carcinogen in laboratory animals.

SECTION 5: HEALTH HAZARDS

Emergency and First Aid Data:

Eye Contact:

Flush thoroughly with water for 15 minutes while holding eyelids open for maximum irrigation. Seek medical attention.

Skin Contact:

Wash contaminated area with soap and water. Seek medical attention.

Inhalation: Remove victim from area to fresh air. Seek medical attention.

Ingestion:

If swallowed, dilute by drinking copious amounts of water and obtain medical attention.

SECTION 6: SPECIAL PROTECTION INFORMATION

Respiratory Protection:

None required if good ventilation is maintained. Otherwise, wear self-contained breathing apparatus. (Pressure Demand, MSHA/NIOSH approved or equivalent)

Ventilation type:

Local exhaust: Yes

Mechanical (general): Yes

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SECTION 6: SPECIAL PROTECTION INFORMATION cont'd

Skin Protection:

Impervious gloves and rubber apron if splashing possible

Eye Protection:

Chemical splash goggles or face shield

Other Protection:

Long sleeve shirt, long pants, and boots. Have eyewash and/or chemical shower immediately available.

Work/hygienic practices:

Wash with soap and water before eating, drinking, or using toilet facilities. Always wear protective equipment when handling this chemical.

SECTION 7: SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURE

Spill and Leak Procedure:

Soak up spills with absorbent material and scoop into drums. Follow all local, state, and federal regulations for disposal. Do not discharge into lakes and streams. The floor may be slippery. Use caution to avoid falls.

Waste Disposal:

Hazardous Waste. Recycle or dispose of recovered material in accordance with all federal, state and county regulations.

Precautions to be taken in handling and storing:

Wear safety goggles or face shield, rubber gloves, hat, long sleeve shirt, long pants, and boots and handling.

SECTION 8 – REGULATORY INFORMATION

Department of Transportation

Proper Shipping Name: Unclassified Water Treatment Chemical, Liquid

Hazard Class: None

UN ID Number: None

Label Requirements: None

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SECTION 8 – REGULATORY INFORMATION cont'd

SARA Title III – Ingredient information

NAME: ETHYLENE THIOUREA

CAS NO: 96-45-7

APPLICABLE SARA SUBSECTIONS: 304, 313

THRESHOLD PLANNING QUANTITY: NONE

THRESHOLD PLANNING QUANTITY: 10 LB

NAME: ETHYLENEDIAMINE

CAS NO: 107-15-3

APPLICABLE SARA SUBSECTIONS: 302, 304

THRESHOLD PLANNING QUANTITY: 10,000 LBS

THRESHOLD PLANNING QUANTITY: 5000 LBS

NAME: DIMETHYLAMINE

CAS NO: 124-40-3

APPLICABLE SARA SUBSECTIONS: 304

THRESHOLD PLANNING QUANTITY: NONE

THRESHOLD PLANNING QUANTITY: 1000 LBS

NAME: ETHYLENEBISDITHIOCARBAMIC ACIDS, SALTS, AND ESTERS (EBDC'S)

CAS NO: 142-59-6

(category code: N171)

APPLICABLE SARA SUBSECTIONS: 313

THRESHOLD PLANNING QUANTITY: NONE

THRESHOLD PLANNING QUANTITY: 5000 LBS

NAME: SODIUM DIMETHYLDITHIOCARBAMATE

CAS NO: 128-04-1

APPLICABLE SARA SUBSECTIONS: 313

THRESHOLD PLANNING QUANTITY: 10,000 LBS

THRESHOLD PLANNING QUANTITY: NONE

Date prepared: revised 12/20/03

Notice: We believe that the information contained on this Material Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily adequate in every circumstance. These suggestions should not be confused with or followed in violation of applicable laws, regulations, rules or insurance requirements. The seller makes no warranty expressed or implied concerning the accuracy or any results to be obtained from the use of any information and no warranty expressed or implied concerning the use of the products. The buyer assumes all risks of the use and/or handling.

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