



**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**

**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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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 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 used 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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