# 6/3/2024: File reviewed, more current MSDS/SDS not available. CAS



water management

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# MATERIAL SAFETY DATA SHEET - A-224

SECTION 1 PRODUCT IDENTIFICATION;

A-224 SYNONYMS: Biocide, "Thione" DATE PREPARED: 1/23/93

# SECTION 2

COMPONENTS; Tetrahydro-3,5-dimethyl-2H-1,3,5thiadiazine-2-thione Sodium hydroxide CAS# 1310-73-2 Formaldehyde CAS# 50-00-0 less than 1,4%

# SECTION 3

PHYSICAL DATA: BOILING POINT; approx 200 F VAPOR PRESSURE; (water) pH; 13.4 APPEARANCE/ODOR; straw colored liquid with a pungent odor SPECIFIC GRAVITY; 1.16 EVAP RATE (BUTYL ACETATE=1): less than 1

#### SECTION 4

FIRE AND EXPLOSION DATA: FEASH POINT; >200 F EXTINGUISHING MEDIA; water, foam, CO2, dry chemical SPECIAL FIRE FIGHTING PROCEDURES; wear self-contained breathing apparatus

#### SECTION 5

REACTIVITY DATA: STABILITY; Stable CONDITIONS TO AVOID; temps >212 F, freezing, direct skin contact IMCOMPATABILITY; strong acids, high temperatures

## ADDITIONAL INFORMATION;

Formaldehyde is ACGIH human carcinogen Hazardous decomp products: H2S, CS3 Keep from freezing SECTION 6

HEALTH HAZARD DATA: ROUTES OF ENTRY; INHALATION ... y SKIN...y INGESTION ... y HEALTH HAZARDS AND SYMPTOMS; May cause loss of vision, burning of skin and eyes, irritation, and rash. May cause nausea, weakness, and vomiting if ingested. EMERGENCY AND FIRST AID; Flush skin and eyes with water for at least 15 minutes. Remove and launder contaminated clothing. If inhaled, remove to fresh air. If ingested, do not induce vomiting. Give large quantity of milk, egg whites, or gelatin solution. Call a physician, CARCINOGENICITY; NTP.y.IARC...OSHA.

# SECTION 7

SAFE HANDLING AND USE: SPILL OR LEAK PROCEDURES; Contain Spill. Wear safety gear. Notify proper personnel. Absorb spill on inert material. Shovel into suitable labeled containers. Hold for proper disposal. Do not let enter natural waterways.

## SECTION 8

PROTECTIVE EQUIPMENT; VENTILATION LOCAL EXHAUST..y...VENT. FAN...y RESPIRATOR...OSHA approved, if vapors RUBBER/NEOPRENE GLOVES.GOGGLES...y FACE SHIELD...n EYE WASH.

#### SECTION 9

REGULATORY INFORMATION; D.O.T. non-hazardous LABELING; SHIPPING NUMBER; SARA TITLE III; subject to reporting SEC 311/312; Reporting required if threshold limit exceeded SEC. 313; subject to reporting