

MATERIAL SAFETY DATA SHEET

NDemand K-Man

I. NAME

PRODUCT/TRADE NAME: NDEMAND K-MAN
EPA REGISTRATION #: None
CHEMICAL NAME/COMMON NAME:
Urea/Urea
1,3,5-Triazin-2-one, Tetrahydro/Triazone
Potassium Thiosulfate/KTS
Dipotassium Salt of Manganese EDTA/Manganese EDTA
Diammonium salt of Zinc Ethylenediaminetetraacetic Acid/Zinc EDTA
Ortho Boric Acid/Boric Acid

II. HAZARDOUS INGREDIENTS

| | CAS# | OSHA PEL | ACGIH TLV |
|----------------|------------|-----------------------------|-----------------------------|
| Urea | 57-13-6 | NE | NE |
| Triazone | 7098-14-8 | NE | NE |
| KTS | 10294-66-3 | NE | NE |
| Manganese EDTA | 68015-77-0 | 5 mg/m ³ ceiling | 5 mg/m ³ ceiling |
| Zinc EDTA | 67859-51-2 | NE | NE |
| Boric Acid | 10043-35-3 | NE | NE |

III. PHYSICAL DATA

SPECIFIC GRAVITY (H₂O = 1): 1.29
MELTING POINT: 133 Deg. C
VAPOR DENSITY (AIR = 1): NA
% VOLATILES BY VOL.: NA
ODOR: Amine
APPEARANCE: Clear Liquid
FLASH POINT/METHOD: NA
VAPOR PRESSURE (mmHg): NA
SOLUBILITY IN H₂O: Complete

IV. FIRE & EXPLOSION HAZARD

EXTINGUISHING MEDIA: Water Fog Foam Alcohol Foam
 CO₂ Dry Chemical Other

FIRE FIGHTING PRECAUTIONS & HAZARDS:

Fight fire upwind. Wear positive pressure self-contained breathing apparatus. Avoid smoke and spray mist. Avoid fallout and runoff. Dike to prevent entering drains, sewers and watercourses. Evacuate people downwind.

V. CARCINOGEN STATUS

OSHA NTP IARC No Listing Type:

VI. REACTIVITY

Stable HAZARDOUS POLYMERIZATION
 Unstable May Occur Will Not Occur
AVOID: Chlorine, Alkalies, Nitrates, Hypochlorates and Oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS: CO_x, SO_x, NO_x, NH₃

VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL: Wear appropriate respiratory and personal protective equipment. Absorb with inert material and vacuum or sweep into approved disposal containers.

DECONTAMINATION: Treat area with detergent and water. Repeat as necessary until area is clean.

ENVIRONMENTAL HAZARDS: May be toxic to aquatic organisms. Dike to prevent entering drains, sewers or water courses.

DISPOSAL: Dispose of in accordance with all Federal, state and local regulations.

VIII. HEALTH PRECAUTION DATA

INGESTION: Acute Oral LD₅₀ (rat) >2500 mg/kg (TKerley*). Do not ingest. Wash Kthoroughly before eating, drinking or smoking.

INHALATION: No PEL/TLV established. Can cause respiratory tract irritation. Wear proper respiratory protection for the exposures encountered.

SKIN ABSORPTION: May cause skin irritation. Wear proper personal protective equipment to minimize exposure.

EYE EXPOSURE: Keep out of eyes. May cause eye irritation. Wear proper eye protection to reduce exposure. If exposed, flush a minimum of 15 minutes with water.

EFFECTS OF OVEREXPOSURE: Can cause respiratory tract, skin and eye irritation. Not considered toxic and is medically used as a diuretic. Can cause anuria in animals. Prolonged breathing of dust may cause Pneumoconiosis. Preexisting medical conditions involving the above symptoms may be aggravated by exposure. FIRST AID: In all cases, get prompt medical attention. If ingested, give several glasses of water and induce vomiting. Do not induce vomiting if person is unconscious. For skin contact, remove contaminated clothing and wash with soap and water. For eye exposure, irrigate eyes with water for a minimum of 15 minutes. If inhaled, remove to fresh air and administer CPR if necessary.

IX. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Wear only NIOSH/MSHA-approved respiratory protection for organic vapors. Positive pressure self-containing breathing apparatus should be used for confined space entry and high exposure operations.

PERSONAL PROTECTIVE EQUIPMENT: Work gloves, safety goggles or glasses with side shields and brow protection.

VENTILATION: General ventilation.

X. SPECIAL PRECAUTIONS

Keep out of the reach of children. Read and follow all label instructions.

XI. REGULATORY DATA

SARA HAZARD CLASS: Acute Chronic Flammable
 Pressure Reactive None

SARA 313: Yes No Chemical: Mn & Zn Compounds

SARA 302: Yes No Chemical:

TPQ:

CERCLA: Yes No Chemical:

RQ:

RCRA: Yes No

NFPA HAZARD RATING:

Health: [1]

Fire: [1]

Reactivity: [0]

Special: []

HMIS CODES:

Health: [1]

Fire: [1]

Reactivity: [0]

NFPA HAZARD RATING SCALE:

0 = Minimal 3 = Serious

1 = Slight 4 = Severe

2 = Moderate

HMIS HAZARD RATING SCALE:

0 = Minimal 3 = Serious

1 = Slight 4 = Severe

2 = Moderate

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REVISED DATE:

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*Technical Material NE - Not Established NA - Not Applicable

24 Hour Emergency Phone Number
CHEMTREC: (800) 424-9300



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