

# K-88

**Material Safety Data Sheet**  
**Effective Date 8/89**

## SECTION 1 Hazardous Ingredients

OSHA ingredient permissible exposure limit: None

ACGIH ingredient TLV-TWA: None

## SECTION 2 Physical Data

|                      |                       |
|----------------------|-----------------------|
| pH                   | 9.5-10                |
| Flash point          | >200°F Seta cc        |
| Vapor Pressure       | 17mmHg @ 20°C (water) |
| Viscosity            | Water thin            |
| Evaporation rate     | < 1(Ether=1)          |
| Physical State       | Milky white liquid    |
| Odor                 | Ammoniacal            |
| Sp. Gr.              | 1.1                   |
| % solubility (water) | Infinite              |

## SECTION 3 Reactivity Data

Stable. Thermal decomposition yields oxides of C, N, and Halogens if present.

## SECTION 4 Health Hazard Effects

|                     |  |
|---------------------|--|
| Skin Effects        | Irritating to skin upon repeated or prolonged contact.                                 |
| Eye Effects         | Slightly irritating to the eyes.   |
| Respiratory Effects | Vapor of mist can cause headache, nausea and irritation of the nose, throat and lungs. |

## SECTION 5 First Aid Instructions

|                     |   |
|---------------------|---|
| Skin Contact        | Remove contaminated clothing. Wash exposed area with a large quantity of soap solution or water for at least 15 minutes.      |
| Eye Contact         | Immediately flush with water for at least 15 minutes. Contact a physician immediately for additional treatment.               |
| Inhalation Exposure | Remove victim from contaminated area to fresh air. Apply appropriate first aid treatment as necessary.                        |
| Ingestion           | Do not feed anything by mouth to unconscious or convulsive victim. Dilute contents of stomach. Contact physician immediately. |

## SECTION 6 Spill, Disposal and Fire Instructions

|                                    |   |
|------------------------------------|---|
| Spill Instructions                 | Contain and absorb on absorbent material. Place in waste disposal container. The waste<br>The waste characteristics of the absorbed material or any contaminated soil should be<br>Determined in accordance with RCRA regulations. Dike and contain spill with inert material<br>Such as sand and earth. Spill area may be slippery, use caution. |
| Disposal Instructions              | Water contaminated with this product may be sent to a sanitary sewer in accordance with<br>Any local agreement, a treatment facility, or discharged under a NPDES permit. Bury in<br>Approved landfill.   |
| Fire Extinguishing<br>Instructions | Firefighters should wear positive pressure, self-contained breathing apparatus (full face piece<br>type). Extinguishing medium may be chemical, carbon dioxide, foam or water. Foam or<br>Water may create a slippery condition, spread sand or grit.   |

## SECTION 7 Special Protective Equipment

|                                       |   |
|---------------------------------------|---|
| Ventilation Equipment<br>Recommended  | Adequate ventilation. Mechanical ventilation in confined areas.<br>If ventilation is inadequate or significant product exposure is likely, use of a NIOSH/MSHA<br>approved respirator is recommended. |
| Respiratory Protection<br>Recommended | Rubber gloves and full coveralls  |
| Skin<br>Protection<br>Recommended     | Splash proof chemical goggles.  |
| Eye Protection                        |   |

## SECTION 8 Storage and Handling Precautions

|                       |  |
|-----------------------|--|
| Storage Instructions  | Keep in a dry environment, off of floor. |
| Handling Instructions | Normal chemical handling.                |

## SECTION 9 Federal Regulations

FIFRA (40 CFR) –EPA Reg. No. Not applicable.  
OSHA (29 CFR Sec. 1910) – Safety and Health Standards-See Section 1.  
FDA (21 CFR) Ingredients authorized under – None.

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