

HCR-103

SECTION I

HARVARD CHEMICAL RESEARCH

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| | | |
|--------------|---|------------|
| HEALTH | 1 | 0=Least |
| FLAMMABILITY | 0 | 1=Slight |
| REACTIVITY | 0 | 2=Moderate |
| | | 3=High |
| | | 4=Extreme |

SECTION II HAZARDOUS INGREDIENTS/INFORMATION

| HAZARDOUS COMPONENTS | CAS# | OSHA / PEL | ACGIH / TLV | OTHER / STEL |
|----------------------|------|------------|-------------|--------------|
|----------------------|------|------------|-------------|--------------|

NONE
Surfactant blend

SECTION III -PHYSICAL/CHEMICAL CHARACTERISTICS

| | | |
|-------------------------------|------------|--|
| Boiling Point: >212°F | Appearance | and odor: Clear liquid with pleasant odor. |
| Vapor Pressure (mm Hg): ND | | Specific Gravity (H2O=1): 1.03 |
| Vapor Density (Air=1): >1 | | Melting Point: NA |
| Solubility in Water: COMPLETE | | Evaporation Rate:(Butyl Acetate=1) <1 |

SECTION IV-FIRE AND EXPLOSION HAZARD DATA

| | | |
|---|----------------------------|----------|
| Flash Point (Method Used): NONE | Flammable Limits: LEL: N/A | UEL: N/A |
| Extinguishing Media: Carbon dioxide, dry chemical, or alcohol foam. | | |
| Special Fire Fighting Procedures: NONE | | |
| Explosion Hazards: NONE | | |

SECTION V-REACTIVITY DATA

Stability: Stable
Incompatibility (Materials to Avoid): Oxidizers or strong acids.
Hazardous Decomposition or Byproducts: Heat, carbon dioxide, and carbon monoxide.
Hazardous Polymerization: Will not occur.

SECTION VI-HEALTH HAZARD DATA

Health Hazards (Acute and Chronic): NONE KNOWN
Routes of Entry, Signs of Exposure, and Symptoms of Exposure:
SKIN and EYES: Severe irritant to eyes.
INHALATION: Irritation and difficulty in breathing
INGESTION: Gastric pain and vomiting.
Medical Conditions Generally Aggravated by Exposure: Unknown
Carcinogenic: NONE
Emergency and First Aid Procedures:
SKIN & EYE CONTACT: Rinse skin with clear water.
For eye contact immediately flush with clear running water for 15 minutes. Get medical attention.
INHALATION: Remove to fresh air. If breathing does not return to normal, get medical attention.
INGESTION: Immediately drink large quantities of water. Get medical attention.

SECTION VII-PRECAUTIONS FOR SAFE HANDLING AND USE

SPILLS: Dilute with water and flush to sanitary sewer, comply with federal and state regulations.
Handling and Storing: Keep container closed when not in use. Do not freeze. Follow label instructions.
Other Precautions: Keep this and all chemicals out of the reach of children.

SECTION VIII-CONTROL MEASURES

Respiratory Protection (Specify Type): For exposure above established limits (see section II) use NIOSH/MSMA approved dust/mist mask.
Ventilation: Mechanical Recommended.
Protective Gloves: Rubber or neoprene.
Eye Protection: Safety glasses.
Other Protective Clothing or Equipment: Drenching safety shower and eye wash station.

SECTION IX-ADDITIONAL INFORMATION