



# SAFETY DATA SHEET

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**EYES:** Flush with large amounts of water for 15 minutes, lifting upper and lower eyelids. If irritation persists seek medical attention.

**SKIN CONTACT:** Wash contaminated area with soap and water. Remove and launder contaminated clothing.

**INGESTION:** If a large amount is ingested, give water or milk and induce vomiting. Seek medical attention.

**INHALATION:** Remove victim to fresh air and provide oxygen if breathing is difficult. If breathing has stopped administer artificial respiration. Seek medical attention if condition persists.

**MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:**

**EYES:** Direct contact with eyes may cause irritation.

**SKIN:** Prolonged or repeated contact may cause irritation.

**INHALATION:** Inhalation of vapor or mist can cause irritation of nose, throat and lungs and lead to headaches and nausea.

**INGESTION:** Not an anticipated route of exposure. Small amounts are not expected to be harmful.

**CHRONIC HEALTH EFFECTS:**

No anticipated chronic effects.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:**

No known effects on other illnesses.

**INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:**

Treat symptomatically.

===== **SECTION 5 - FIRE AND EXPLOSION HAZARD DATA** =====

**SUITABLE EXTINGUISHING MEDIA:**

This material will not burn in its liquid state unless heated above its flash point. Dried films may burn and can be extinguished by water spray, foam, dry chemical or carbon dioxide.

**SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:**

In the event of fire, harmful vapors including carbone monoxide, carbond dioxide, and others may be released. There is the possibility of pressure buildup in closed containers when heated. Water spray may be used to cool these containers.

**SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:**

Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment. Isolate danger area, keep unauthorized personnel out.

===== **SECTION 6 - ACCIDENTAL RELEASE MEASURES** =====

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:** Evacuate area and keep unnecessary and

unprotected personell from entering the spill area. Use proper personal protective equipment listed in section 8.

**ENVIRONMENTAL PRECAUTIONS:** Keep runoff from storm sewars, ditches, streams, lakes and other ground waters and waterways.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP:**

Contain all spills. Absorb with oil-dri or similar inert material. Sweep or scrape up and containerize. Collect into suitable cantaners and dispose of properly in accordance with all applicable regulations. (See Section 13) Rinse affected area thoroughly with water.

===== **SECTION 7 - HANDLING AND STORAGE** =====

**PRECAUTIONS FOR SAFE HANDLING:**

Employees who come in contact with this material must be trained in accordance to 1910.1200 of the Hazard Communicatin Standard. Wear chemical resistant gloves and protective clothing to minimize contact. The use of respiratory protection is advised when spraying because of mist and dust overspray.

**PRECAUTIONS FOR SAFE STORAGE:**

Keep from freezing; material may coagulate. The minimum recommended storage temperature is 34F/1C, the maximum recommended storage temperature is 120F/49C. Keep away from incompatable materials (see section 10). Keep containers tightly closed. It is advised that material be used within 1 year of manufacture, rotate stock.

**OTHER PRECAUTIONS:**

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All empty containers should be disposed of in an environmentally safe manner in accordance with all governmental regulations.

## =====**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**=====

CONTROL PARAMETERS: SEE SECTION 3 FOR OCCUPATIONAL EXPOSURE LIMIT VALUES

ENGINEERING CONTROLS: General room ventilation is adequate.

PERSONAL PROTECTIVE EQUIPMENT:

### RESPIRATORY PROTECTION:

No special requirements under normal use conditions. In confined areas, or areas with poor ventilation, engineering controls should be used to minimize exposure. Use NIOSH/MSHA approved respirator if conditions warrant.

### PROTECTIVE GLOVES:

Prevent prolonged or repeated contact by wearing chemical resistant gloves and other appropriate protective clothing. Launder contaminated clothing before reuse.

### EYE PROTECTION:

Wear safety glasses to reduce eye contact potential. Chemical safety goggles (ANSI Z87.1 or approved equivalent) are appropriate if splashing is likely. Eye washes must be available where eye contact can occur.

### OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

A source of clean water should be available for flushing eyes and skin. Showers should be available if larger spills are possible.

WORK/HYGIENIC PRACTICES:

Efforts should be made to minimize contact and spills. Always wash hands before eating, drinking, or smoking. Clean up spills promptly. Follow OSHA and company guidelines.

## =====**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**=====

APPEARANCE/PHYSICAL STATE: Liquid

COLOR: Various colors

ODOR: Amine or ammonia odor

pH: Not Determined

ODOR THRESHOLD: Not measured

SOLUBILITY IN WATER: Dilutable

MELTING/FREEZING POINT: Not Determined

BOILING POINT/RANGE:

SPECIFIC GRAVITY (H2O=1): 1.08

VAPOR DENSITY: Greater Than Air

EVAPORATION RATE: Not Determined

FLAMMABILITY: Not determined

FLASH POINT: No flashn/a

VAPOR PRESSURE: Not Determined

UPPER EXPLOSION LIMIT: n/a

AUTO-IGNITION TEMPERATURE: Not Determined

LOWER EXPLOSION LIMIT: n/a

PARTITION COEFFICIENT: Not Available

DECOMPOSITION TEMPERATURE: Not Available

VISCOSITY: Not Determined

COATING V.O.C.: 4 g/l (0.03 lb/gal)

## =====**SECTION 10 - STABILITY AND REACTIVITY DATA**=====

REACTIVITY: Will not occur.

CHEMICAL STABILITY:

Stable under normal conditions and handling.

POSSIBILITY OF HAZARDOUS REACTIONS:

No hazardous reactions if stored and handled as prescribed/indicated.

CONDITIONS TO AVOID:

None known

INCOMPATIBLE MATERIALS:

None known. Materials which are not compatible with water or ordinary organics will not be compatible with this material.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Combustion may liberate toxic byproducts such as carbon dioxide, and carbon monoxide, various oxides of carbon and nitrogen. Thermal decomposition may liberate acrylic monomers and ammonia.

## =====**SECTION 11 - TOXICOLOGICAL INFORMATION**=====

SENSITIZATION:

None known.

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## CARCINOGENICITY:

There is no data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.

## REPRODUCTIVE TOXICITY:

There is no data available to indicate any components present at greater than 0.1% may present reproductive toxicity.

## TERATOGENICITY (BIRTH DEFECTS):

There is no data available to indicate any components present at greater than 0.1% may cause birth defects.

## MUTAGENICITY:

There is no data to indicate that any component present at greater than 0.1% will alter DNA.

## SECTION 12 - ECOLOGICAL INFORMATION

### ECOTOXICITY:

No data available.

### PERSISTENCE AND DEGRADABILITY:

Not readily degradable.

### BIOACCUMULATIVE POTENTIAL:

No data available.

### MOBILITY IN SOIL:

No data available.

OTHER ADVERSE EFFECTS: No known effects or critical hazards. No data available.

## SECTION 13 - DISPOSAL CONSIDERATIONS

This product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261, however, state and local regulations may be more restrictive. Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. Incinerate liquid and contaminated solids in accordance with local, state, and federal regulations.

## SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: (UN #, SHIPPING NAME, HAZARD CLASS, PACKING GROUP)

Not regulated.

## SECTION 15 - REGULATORY INFORMATION

### US TOXIC SUBSTANCE CONTROL ACT (TSCA):

All ingredients of this product are listed, or are excluded from listing, on the US Toxic Substances Control Act (TSCA) chemical substance inventory.

SARA 302 EXTREMELY HAZARDOUS SUBSTANCE: None

SARA 311/312 HAZARDOUS CHEMICAL: See Section 3

### SARA 313 (TRI REPORTING):

This product does not contain a chemical subject to the reporting requirements of SARA Title III, Section 313 (40CFR 372) above de minimis concentrations.

STATE LISTED COMPONENTS	CAS NUMBER	STATE CODE
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### CALIFORNIA PROPOSITION 65

This product does not contain a chemical known to the state of California to cause cancer, birth defects or reproductive harm, subject to the requirements of California Proposition 65.

## SECTION 16 - OTHER INFORMATION

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This version replaces all previous versions. The information contained in this SDS and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Although certain hazards are described herein, The Sierra Company, LLC, cannot guarantee that these are the only hazards that exist. Recipients of

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