

MATERIAL SAFETY DATA SHEET

I. GENERAL INFORMATION

TRADE NAME (as labeled): Top Bond Mist
Description: Mist Adhesive

DATE PREPARED/ REVISED:

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MANUFACTURER'S NAME

Chemical Consultants, Inc.
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PREPARER

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II. COMPONENT SAFETY DATA

| Chemical Names | CAS Numbers | % | Exposure Limits in Air (give units) | | Other (specify) |
|-----------------------|-------------|-------|-------------------------------------|----------|-----------------|
| | | | ACGH TLV | OSHA PEL | |
| Acetone | 67-64-1 | 10-25 | 750 PPM | 1000 PPM | |
| Hexane | 110-54-3 | 40-50 | 50 PPM | 500 PPM | |
| Dimethyl Ether | 115-10-6 | 20-30 | No Info | 1000 PPM | |
| Ethane, 1, 1-difluoro | 75-37-6 | 10-15 | No Info | 1000 PPM | |

III. PHYSICAL PROPERTIES

Vapor density (air =1): N/E
Specify gravity: Concentrate only =.814
Solubility in water: Insoluble
Vapor pressure, mmHg at 20 °C: PSIG@70°F (Aerosols)=Max.60
Appearance and odor: Off-white conical mist, with acetone odor.

Melting point or range, °F
Boiling point or range, °F N/A
Evaporation rate (butyl acetate =1): N/E
pH (1% solution):

IV. FIRE AND EXPLOSION

Flash point, °F (give method): Level 3 Aerosol Extremely Flammable
Auto ignition temperature, °F: N/E
Flammable limits in air volume %: lower (LEL) N/E upper (UEL) N/E
Fire extinguishing materials: water spray foam carbon dioxide dry chemical other _____

Special fire fighting procedures:

Self-contained breathing apparatus. Use water fog to cool containers to prevent rupturing & exploding containers. Provide shielding for personnel.

Unusual fire and explosion hazards:

Do not expose aerosols to temperatures above 130°F or the container may rupture.

V. REACTIVITY DATA

Stability: Stable Unstable _____

Conditions to avoid:

Open flame, welding arcs, heat, sparks.

Incompatibility (materials to avoid):

Strong oxidizing agents.

Hazardous decomposition products (including combustion products):

Carbon dioxide, carbon monoxide.

Hazardous polymerization: May occur _____ Will not occur

Conditions to avoid:

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure.

Inhaled: High vapor/aerosol concentrations (greater than approximately 100 PPM) are irritation to the eyes and the respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.

Skin: Irritation due to defatting of skin/ Eye contact: Irritation.

Swallowed: may cause irritation of mouth and throat. Nausea and gastric distress. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury possible minimal toxicity. Possible chemical pneumonitis if aspirated into lungs.

HEALTH EFFECTS OR RISKS FROM EXPOSURE: Explain in lay terms.

Acute: Skin irritation, defatting of natural oils. Possible respiratory irritation.

Chronic: Vapors can be absorbed in toxic amounts with continued over-exposure. Excessive inhalation of solvents may cause brain and other nervous system damage. Aspiration into lungs may cause lung damage.

FIRST AID EMERGENCY PROCEDURES:

Eye contact: Flush immediately with water for at least 15 minutes. Contact a physician.

Skin contact: Remove contaminated clothing. Wash skin with soap and water if irritation occurs, seek medical aid.

Inhaled: Remove victim to fresh air. Provide oxygen if breathing is difficult. Resuscitate if necessary. Get medical aid.

Swallowed: Do not induce vomiting. Drink two large glasses of water.
Note to physician: Gastric lavage using a cuffed endotracheal tube may be performed at your discretion.

CARCINOGENICITY? YES: _____ **NO:**

This product's ingredients are found in this list. Federal OSHA _____ **NTP** _____ **IARC** _____ **ACGIH** _____

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: May aggravate existing eye, skin, or upper respiratory conditions.

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill response procedures (include employee protection measures): Absorb with suitable material
Extinguish all ignition sources. Place in closed container for proper disposal.

Disposal Methods: Aerosol cans when vented to atmospheric pressure through normal use pose no disposal hazard.
Incinerate or landfill according to local, state or federal regulations. DO NOT FLUSH TO SEWER.

NOTE: Dispose of all wastes in accordance with federal, state, and local regulations.

VIII. SPECIAL HANDLING PROCEDURES

Respiratory protection (type): None required under normal use conditions. In situations where vapor concentrations exceed the recommended exposure limits, a NIOSH approved organic vapor cartridge or air supplying respirator should be worn.

Ventilation and engineering controls: Local exhaust to maintain below TLV. Explosion proof exhaust system.

Eye protection (type): Safety glasses.

Gloves (specify material): Nitrile or neoprene gloves to prevent direct skin contact.

Other clothing and equipment: Adequate protective clothing to prevent skin contact.

Work practices, hygienic practices: Wash hands thoroughly after handling. Wash hands before eating or smoking.

Other handling and storage requirements: Store away from ignition sources. Do not store at temperatures above 120°F.
Do not puncture or incinerate containers.

IX. REPORTING REQUIREMENTS & ADDITIONAL INFORMATION

HMIS Code System Rating = Health 2; Flammability 3; Reactivity 0.

NFPA 704 Code System Rating = Health 2; Flammability 3; Reactivity 0.

Volatile Organic Compound (VOC) Mist Spray adhesive: Carb <65%

D.O.T. Proper shipping name: ORM-D Consumer Commodity

Contains no ozone depleting chemicals.

This product complies with current applicable CARB standard.

This product contains a chemical subject to the reporting requirements of SARA TITLE III.