

MATERIAL SAFETY DATA SHEET

I. GENERAL INFORMATION

TRADE NAME (as labeled): Top Bond Web
Description: Web Adhesive Aerosol

DATE PREPARED/ REVISED:

January 29, 2008

MANUFACTURER'S NAME

Chemical Consultants, Inc.
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PREPARER

H.S.D.

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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	<25	500 PPM	1000 PPM	
Propane	74-98-6	<25	2500 PPM	1000 PPM	
Isohexane	107-83-5	<25	500 PPM	Not-Est'd	
Dimethyl Ether	115-10-6	<15	Not-Est'd	Not-Est'd	
N-Pentane	109-66-0	<5	600 PPM	1000 PPM	

III. PHYSICAL PROPERTIES

Vapor density (air =1): heavier than air
Specify gravity: Concentrate only =.78
Solubility in water: negligible
Vapor pressure, mmHg at 20 °C: N.D.
Appearance and odor: yellow liquid with mint odor when wet

Melting point or range, °F
Boiling point or range, °F -44 - 150
Evaporation rate (butyl acetate =1): >1
pH (1% solution): N/A

IV. FIRE AND EXPLOSION

Flash point, °F (give method): -156 F (PENSKE-MARTENS C.C.)
Auto ignition temperature, °F: N.D.
Flammable limits in air volume %: lower (LEL) 1% upper (UEL) 18%
Fire extinguishing materials: water spray foam carbon dioxide dry chemical other _____

Special fire fighting procedures:

Wear self-contained breathing apparatus with a full facepiece operated in pressure-demand or other positive pressure mode when fighting fires. Keep fire exposed containers cool with water fog.

Unusual fire and explosion hazards:

Vapors are heavier than air and travel along the ground or may be moved by ventilation and ignited by ignition sources at locations distant from material handling point. 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, pilot lights, static electricity or other source of ignition.

Incompatibility (materials to avoid):

Strong oxidizing agents, acids, amines, reducing agents, strong oxidizers, very strong acid, caustic or oxidizing agents

Hazardous decomposition products (including combustion products):

Carbon dioxide, carbon monoxide, various hydrocarbons, sulfur dioxide, sulfur monoxide

Hazardous polymerization: May occur _____ Will not occur

Conditions to avoid:

VI. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure.

- Inhaled:** Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and even asphyxiation.
- Skin:** Prolonged or repeated contact can cause moderate irritation defatting, dermatitis. / Eye contact: Can cause severe irritation, redness, tearing, blurred vision.
- 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: Overexposure to this material (or it components) has apparently been found to cause the following effects in laboratory animals: kidney damage, eye damage, liver 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 if conscious. Never give anything by mouth to an unconscious person. Get medical attention immediately.

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): Eliminate sources of ignition and ventilate area. Persons not properly equipped should be excluded from area. Stop spill at source - prevent spreading. Avoid inhalation of vapors. Avoid skin contact with liquid. Soak up on absorbant material and place into proper container for disposal. Use non-sparking scoops for flammable material

Disposal Methods: Aerosol cans when vented to atmospheric pressure through normal use pose no disposal hazard.
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/MSHA 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. More extensive protection may be necessary depending on how product is used.

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 store in direct sunlight.

Keep from reach of children. Do not puncture or incinerate containers or place in compactors. Containers may be hazardous when emptied since they may retain product residues.

IX. REPORTING REQUIREMENTS & ADDITIONAL INFORMATION

HMIS Code System Rating = Health 2; Flammability 4; Reactivity 1.

NFPA 704 Code System Rating = Health 2; Flammability 4; Reactivity 1.

Volatile Organic Compound (VOC) Web Spray adhesive: Carb <55%

D.O.T. Proper shipping name: Aerosols ORM-D Consumer Commodity (ground shipments)

D.O.T. Hazard Class: 2.1 D.O.T. UN/NA Number: UN1950 Packaging group: none Hazard Subclass: none

Contains no ozone depleting chemicals.

This product complies with current applicable CARB standard.

This product contains no chemicals subject to the reporting requirements of SARA Title III, Section 313.

All components listed in this product are listed on the US Environmental Protection Agency's Toxic Substances Control Act (TSCA)