



MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFIER: **TEKBOND TB-AR**
PRODUCT USAGE: **CURED ADHESIVE REMOVER**
PRODUCT ID NUMBER: **TB-10**

SECTION 1 - MANUFACTURER

Technical Marketing, Ltd.
P.O. Box 4700
927 Indio Muerto St.
Santa Barbara, Ca. 93140

HAZARD RATING

0 LEAST	HEALTH	1
1 SLIGHT		
2 MODERATE	FIRE	3
3 HIGH		
4 EXTREME	REACTIVITY	0

Date Prepared: February 24, 2003

D.O.T. Shipping Information: Alcohol N.O.S. (Ethyl Alcohol); 3 (Flammable Liquid); U.N.# 1987; Packing Group III
This product is regulated for Air, Ocean or Ground Transportation

Emergency Telephone No.: ChemTrec: 1-800-424-9300
Other Calls: Tekmar: 1-805-965-0704

SECTION 2 - HAZARDOUS INGREDIENTS

Chemicals/Common Name	%	OSHA/PEL	ACGIH/TLV	CAS No.	SARA Title III sec.313 reportable
Ethyl Alcohol	80-90%	1000	1000	64-17-5	No
2-Propanol	5-10%	400	400	67-63-0	Yes
Water and Non-Hazardous Components	5-10%	N/A	N/A	N/A	No

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point:	158 - 220° F.	Specific Gravity(H ₂ O=1):	0.914	Vapor Pressure (mm Hg):	26.5
Solubility in Water:	100%	Reactivity in Water:	No	Vapor Density(Air=1):	1.2
Appearance / Odor:	Clear / Alcoholic Odor	Physical State:	Liquid	V.O.C.# (By % Calculation):	600 G/L

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point: 64° F. Flammable Limits in Air % By Volume (@25°C): LEL (Lower) 3.3% UEL (Upper) 18.7%

Auto Ignition: 670° F. Extinguishing Media: Use Foam, CO₂, or Dry Chemical

Fire Fighting Procedures: Use of self-contained breathing apparatus is recommended for Fire Fighters. Water may be helpful in keeping adjacent areas cool. Avoid spreading burning liquid with water used for cooling purposes

Unusual Fire/Explosion Hazards: Low flash point. Keep work areas free of hot metal surfaces and other sources of ignition.

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability: Stable

Conditions to Avoid: Avoid open flames, hot surfaces or any ignition source

Incompatibility: This product is incompatible with strong oxidizing agents. strong acids or bases, alkali metals halogens and strong alkalis.

Hazardous Reactivity: Will not occur.

Hazardous Decomposition: Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide. Above 200° C. acetaldehyde, crotonaldehyde and acetone

DISCLAIMER

All information appearing herein concerning our products is based upon tests and data believed to be reliable; however it is the users responsibility to determine the safety, toxicity, and suitability of the product for their own use. Since the actual use by others is beyond our control, no guarantee expressed or implied, is made by Tekmar as to the effects of such use, the results to be obtained, or the safety and toxicity of the product nor does Tekmar assume any liability arising out of the use by others, of the product referred to herein. Nor is the information herein to be construed as absolutely complete since additional information may be necessary when particular conditions exist or because of applicable laws or government regulations.

SECTION 6 - HEALTH HAZARDS (Toxicological Properties)

Routes of entry: Skin contact: Yes Skin Absorption: Yes Eye Contact: Yes Inhalation: Yes Ingestion: Yes

Acute Health Effects and Routes of Potential Entry, Plus Symptoms of Overexposure

- 1. Inhalation:** Irritates eyes, nose, throat, and respiratory tract. May cause central nervous system depression, including one or more of the following: Headache, Dizziness, Incoordination, Unconsciousness.
- 2. Skin:** Exposure to liquid can cause defatting, drying and irritation.
- 3. Eyes:** Irritation to Conjunctiva.
- 4. Ingestion:** Gastrointestinal irritation, blindness, dizziness, headache, nausea and vomiting leading to severe illness, unconsciousness and perhaps even death.

Chronic Health Effects: Classic alcohol symptoms including bizarre behavior, slurred speech and lack of coordination. Possible liver and kidney damage. Defatting of skin, chronic conjunctivitis and central nervous system depression.

Symptoms of Exposure: Overexposure to fumes results in nausea and light-headedness.

Medical Conditions Generally Aggravated by Exposure:

Preexisting eye, skin, central nervous system or respiratory disorders may be aggravated by exposure.

Chemicals Listed As a Potential Carcinogens: NTP: No I.A.R.C. Monographs: No OSHA: No
This product is not believed to pose measurable carcinogenic risk .

SECTION 7 - SPECIAL PROTECTION INFORMATION AND PREVENTIVE MEASURES

- Respiratory:** The use of respiratory protection depends on vapor concentrations above the time-weighted TLV: Use a NIOSH approved cartridge respirator or gas mask.
- Ventilation:** Local exhaust (Explosion proof ventilation)
- Protective Gloves:** Impermeable gloves for sensitive individuals.
- Eye Protection:** Chemical safety glasses, goggles or face shields.
- Protective Equipment:** Eye washes and safety showers are always recommended in work area.
- Hygienic Practices:** Contaminated clothing should be removed and washed in hot water with soap.
- Waste Information:** Dispose of according to all local and provincial regulations.
- Handling And Storage:** Store away from open flames, heat and sparks. Store only in areas approved for Flammable Liquids. Repackage only into D.O.T. approved glass, polyethylene or epoxy lined metal containers. If transferred, all new containers must contain product labels required for proper identification, safety, handling and storage.
- Other Precautions:** Water may be unsuitable as an extinguishing media, but helpful in keeping adjacent area cool. Avoid spreading burning liquid with water used for cooling purposes. Empty containers may contain vapors that are Flammable and/or Explosive.
- In Case of Spill:** Keep sources of ignition and hot metal surfaces isolated from the spill. Flush spilled material into suitable retaining areas or containers. Small amounts of spilled material may be collected with standard absorbents.

SECTION 8 - FIRST AID MEASURES

Routes of Entry (Emergency and First Aid Procedures)

- 1. Inhalation:** If light headed or having breathing difficulties expose victim to fresh air and/or oxygen. If breathing stops, begin artificial respiration and seek medical attention
- 2. Skin:** Wash with soap and warm water. If irritation from contact persists, seek medical attention.
- 3. Eyes:** Flush immediately with cold water for 15 minutes. If irritation from contact persists, seek medical attention.
- 4. Ingestion:** If this product is swallowed, induce vomiting if the victim is conscious; seek immediate medical attention.

SECTION 9 – PREPARATION INFORMATION

PREPARED BY: TEKMAR – EHS DEPT.

PHONE: (805) 965-0704

DATE: FEB-24-03

THIS MSDS CONFORMS WITH CANADIAN WHMIS STANDARDS