



MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFIER: **TEKBOND TB-AR ORANGE**
PRODUCT USAGE: **ADHESIVE REMOVER/CLEANER**
PRODUCT ID NUMBER: **TBAR-ORANGE**

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	2
3 HIGH		
4 EXTREME	REACTIVITY	0

Date Prepared: July 1st 2009

D.O.T. Shipping Information: Non Regulated for Land, Air and Water. Flash Point over 61° C (141° F)

Emergency Telephone No.: ChemTrec: 1-800-424-9300

Other Calls: Tekmar: 1-805-965-0704

SECTION 2 - HAZARDOUS INGREDIENTS

Chemicals/Common Name sec.313 reportable	%	OSHA/PEL	ACGIH/TLV	SARA Title III CAS No.
Proprietary, Biodegradable, High Flash Solvent	50-60	N/A	N/A	Proprietary No
D-Limonene (Orange Distillate Blend)	30-40	N/A	N/A	5989-27-5 No
Nonylphenoxy Poly (Ethyleneoxy) Ethanol	1-10	N/A	N/A	9016-45-9 No

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point:	170°C (338 °F).	Specific Gravity(H ₂ O=1):	0.81	Vapor Pressure	0.1 kPa (1 mm Hg) at 20 °C
Solubility in Water:	100%	Reactivity in Water:	No	Vapor Density(Air=1):	Not Determined
Appearance / Odor:	Amber/Citrus	Physical State:	Liquid	V.O.C.# (By % Calculation):	297.5 G/L

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point: 64° C (144 ° F) Flammable Limits in Air : Not Determined
Auto Ignition: 350° C.(662 ° 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.

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:** **No** **Ingestion:** **No**

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

1. **Inhalation:** None.
2. **Skin:** May cause skin irritation. May cause allergic reactions to certain individuals. Prolonged or repeated contact may Dry skin and cause irritation.
3. **Eyes:** Can cause irritation. Inflammation of the eye is characterized by redness, watering and itching.
4. **Ingestion:** No data on acute toxicity of the product when ingested.

Chronic Health Effects: **None**

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, Do NOT induce vomiting; seek immediate medical attention.

SECTION 9 – PREPARATION INFORMATION

PREPARED BY: TEKMAR – EHS DEPT.

PHONE: (805) 965-0704

DATE: July 1st 2009

THIS MSDS CONFORMS WITH CANADIAN WHMIS STANDARDS