

MATERIAL SAFETY DATA SHEET



Date-Issued: 08/01/2010
MSDS Ref. No: MSDS-TBEZ
Date-Revised: 01/01/2013
Revision No: 16 Part MSDS

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: TB-EZ
GENERAL USE: High Strength Screen Printing Adhesive
PRODUCT CODE: TB-EZ

MANUFACTURER

Technical Marketing, Ltd. (TEKMAR)
P.O. Box 4700
Santa Barbara, CA 93140

Contact: Health & Safety
Product Stewardship: (805) 965-0704
Transportation: (800) 564-1096

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (U.S.): (800) 424-9300
Emergency Phone: (805) 965-0704
International (collect): ++703 527-3887

COMMENTS: To the best of our knowledge, this Material Safety Data Sheet conforms to the requirements of US OSHA 29 CFR 1910.1200, 91/155/EEC and Canadian Hazardous Products Act.

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt.%</u>	<u>OSHA/PEL</u>	<u>ACGIH</u>	<u>CAS#</u>	<u>EINECS#</u>	<u>Sec. 313</u>
Vinyl Acetate	<0.1%	10 ppm	10 ppm	108-05-4	200-838-9	Yes
Ethyl Acrylate	<0.1%	25 ppm	25 ppm	140-88-5	204-825-9	Yes
2-Propenoic Acid, Butyl Ester	<0.1%	10 ppm	N/A	141-32-2	265-192-2	Yes
Water and Non-Hazardous Components	>99%	N/A	N/A	N/A	N/A	No

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

- **May cause eye irritation ***

POTENTIAL HEALTH EFFECTS

EYES May cause eye irritation.

CARCINOGENICITY: For hazard communication purposes, under OSHA Standard 29 CFR Part 1910.1200, this does not contain listed carcinogen(s) by IARC, ACGIH and NTP in concentrations of 0.1% (percent) or greater
See section 11

4. FIRST AID MEASURES

EYES: Immediately flush eyes with water also under the eyelid; Remove contact lenses, if present, after the first 5 minutes, then continue flushing eyes for at least 15 minutes.

SKIN: Wash off with plenty of soap and water

INGESTION: Do not induce vomiting without medical advice. Call a physician immediately..

INHALATION: Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility.

MEDICAL CONDITIONS AGGRAVATED: None known.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Not Flammable

FLAMMABLE LIMITS: LFL: N/A. UFL: N/A

AUTOIGNITION TEMPERATURE: Not Available

FLAMMABLE CLASS: Nonflammable

EXTINGUISHING MEDIA: The product itself does not burn. The product will only burn after all the water has been driven off. Use extinguishing media appropriate for surrounding area.

HAZARDOUS COMBUSTION PRODUCTS: When dried polymer burns, Water, Carbon Dioxide, Carbon Monoxide and smoke are produced

FIRE FIGHTING PROCEDURES: The product as supplied is not combustible.

FIRE FIGHTING EQUIPMENT No special procedures are required.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL (less than 100 Gallons) : Construct temporary dikes of dirt, sand, or any appropriate readily available material to prevent spreading of the material. Wearing the appropriate personal protective equipment designated in Section 8, move the leaking container to a containment area or rotate the container so that the opening is above the liquid level. Disposal to municipal or industrial waste facility is normally acceptable Obtain approval from these Authorities before disposal.

LARGE SPILL: Construct temporary dikes of dirt, sand, or any appropriate readily available material to prevent spreading of the material. Wearing the appropriate personal protective equipment designated in Section 8, close or cap valves and/or block or plug hole in leaking container and transfer to another container. Contain material as described above and dispose through licensed waste disposal facility is suggested. The product can be incinerated, although chemical or biological treatment is sufficient..

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Use appropriate containment to avoid runoff or release to sewer or waterways.

LAND SPILL: Use appropriate containment to avoid runoff or release to ground.

COMMENTS: Spilled emulsion is extremely slippery. Use care to avoid falls. See Section 13 for disposal information and Section 15 for regulatory requirements. Large and small spills may have a broad definition depending on the user's handling system. Therefore, the spill category must be defined at the point of release by technically qualified personnel.

7. HANDLING AND STORAGE

HANDLING: Use only in well ventilated areas. Avoid contact with eyes. Gloves or other protective equipment should be worn if skin contact is likely. When using do not eat, drink or smoke.

STORAGE: KEEP FROM FREEZING. Keep containers tightly closed when not in use.. Store in a cool, dry place. Prevent contamination with microorganisms. Minimize exposure to air.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS No special controls needed.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields or goggles when handling this material.

SKIN: Use of Gloves recommended. Rubber, Vinyl, Polyethylene, PVC, Nitrille, Butyl are all acceptable.

RESPIRATORY: Not required during normal use.

WORK HYGIENIC PRACTICES: Facilities storing or using this material should be equipped with an eyewash facility and a safety shower. Good personal hygiene practices should always be followed.

COMMENTS: No established Exposure Limits for product as supplied. See Section 2 for Exposure limits of component parts.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Sweet Odor

APPEARANCE: White Liquid

COLOR: White

pH: 5.0

VAPOR PRESSURE: >18.5.0 mm/Hg @ 21° C (70° F)

VAPOR DENSITY: As water

BOILING POINT: 100 °C(212°CF)

FREEZING POINT: < 5 °C

SOLUBILITY IN WATER: Dispersible

EVAPORATION RATE: 1.0 As water

SPECIFIC GRAVITY: 1.02 g/cm³

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: No

CONDITIONS TO AVOID: Not applicable

STABILITY: Stable under recommended storage conditions. Coagulation may occur after freezing, thawing or boiling

HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous decomposition products depend upon temperature, air supply and the presence of other materials. Hazardous decomposition products may include and are not limited to Carbon Dioxide, Carbon Monoxide, Aldehydes and Acetic Acid

INCOMPATIBLE MATERIALS: Not Applicable

11. TOXICOLOGICAL INFORMATION: (See Section 3 for Potential Health Effects).

DERMAL LD50: dermal LD50 has not been determined.

SKIN ABSORPTION: No data available. .

ORAL LD₅₀: The oral LD50 has not been determined.

INHALATION LC₅₀: Not Available

EYE EFFECTS: This material may cause irritation to the eyes.

SKIN EFFECTS: This material does not cause irritation to the skin.

SENSITIZATION: Not Available

TARGET ORGANS: None known

MUTAGENICITY: Not Available

REPRODUCTIVE EFFECTS: Not Available

TERATOGENIC EFFECTS: Not Available

CARCINOGENICITY:

IARC: Listed by IARC - No

NTP: Listed by NTP - No

OSHA: Listed by OSHA - No

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA:

ECOTOXICOLOGICAL INFORMATION: No data is available on the product itself regarding toxicity to aquatic and other organisms.

DISTRIBUTION: Not Available

CHEMICAL FATE INFORMATION: Not Available

13. DISPOSAL CONSIDERATIONS: (Waste from residues / Unused products)

DISPOSAL METHOD: All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator

FOR SMALL SPILLS (< 100 Gallons): Disposal to municipal or industrial waste water treatment plants is normally acceptable. The Product does impart a white, milky color to water, which may not be removed or sufficiently diluted by the treatment facility. The Product may also foam when agitated. The Product can be chemically or biologically degraded.

FOR LARGE SPILLS: Disposal to licensed waste disposal facilities is suggested. The Product can be incinerated, although chemical or biological treatment is sufficient. Chemical precipitation/coagulation can be used to facilitate removal of solids. .

EMPTY CONTAINER: Contaminated bags should be cleaned and disposed of in the same manner as the product in accordance with applicable regulations.

GENERAL COMMENTS: As supplied the Product (foam included) when splashed on automobiles or other personal property is difficult to remove if allowed to dry.

14. TRANSPORT INFORMATION

Not considered a Dangerous Good.

CFR / DOT (U.S. DEPARTMENT OF TRANSPORTATION): Not Regulated

AIR (ICAO/IATA): Not Regulated

VESSEL (IMO/IMDG): Not Regulated

CTC: Not Regulated

15. REGULATORY INFORMATION

UNITED STATES FEDERAL REGULATIONS

REPORTABLE QUANTITY (RQ): N/A

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT) “Vinyl Acetate”, “Ethyl Acrylate” and “2-Propenoic Acid,Butyl Ester” are subject to the reporting requirements of Section 313 of Title III of the 1986 Superfund Amendments and Reauthorization Act.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)
REPORTABLE QUANTITY (RQ): N/A

TSCA (TOXIC SUBSTANCE CONTROL ACT): All ingredients are listed on the TSCA Inventory.

NATIONAL RESPONSE CENTER: U.S. Coast Guard National Center telephone # 1-800-424-8802

CANADA

WHMIS (WORKER HAZARDOUS MATERIALS INFORMATION SYSTEM): The Canadian Workplace Hazardous Materials Information System (WHMIS) Classification for this product is:

D2B - eye or skin irritant

Refer elsewhere in the MSDS for specific warnings and safe handling information. Refer to the employer's workplace education program.

CPR STATEMENT: This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

EUROPEAN COMMUNITY

EUROPEAN COMMUNITY REGULATORY: All intentional ingredients are listed on the European's EINECS Inventory.

MEXICO This product is considered to be an irritant according to Mexican Standard, Instruction No. 9, ANNEX 1.

STATE REGULATIONS Not Available

REGULATIONS

STATE REGULATIONS: Not Available

LOCAL REGULATIONS: Not Available

16. OTHER INFORMATION

REASON FOR ISSUE: New 16 Part MSDS
APPROVED BY: Nicholas Kondrats **TITLE:** General Manager
PREPARED BY: Product Stewardship Department
INFORMATION CONTACT: Product Stewardship Analyst

HMIS RATING		NFPA CODES	
HEALTH:	0	HEALTH:	0
FLAMMABILITY:	0	FLAMMABILITY:	0
PHYSICAL HAZARD:	0	REACTIVITY:	0
PERSONAL PROTECTION:	SEE SEC. 8		

MANUFACTURER DISCLAIMER: Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user. Nothing is intended as a recommendation for uses which infringe valid patents or as extending license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users.