



SAFETY DATA SHEET

1. Identification Of The Substance/Mixture and of the Company/Undertaking

Product identifier	TBEZX	
Other means of identification		
Product code	TB EZX	
Recommended use	Pallet Adhesive APEO & NPEO Free	
Recommended restrictions	None known.	
Manufacturer/Importer/Supplier/Distributor information		
Manufacturer		
Company name	Tekmar	
Address	P.O Box 4700 Santa Barbara, CA 93140 United States	
Telephone	Product Stewardship	805-965-0704
	Transportation	800-564-1096
Website	http://tekmarltd.com/	
E-mail	techsupport@tekmarltd.com	
Emergency phone number	Chemtrec	800-424-9300
	Emergency Phone	805-965-0704
	International	++703 527-3887
Supplier	Refer to Manufacturer	

2. Hazard Identification

Precautionary statements

Obtain special instructions before use.

IF exposed or concerned: Get medical advice/attention.

Do not handle until all safety precautions have been read and understood. Wear protective gloves/ eye protection/ face protection.

Store locked up.

Dispose of contents/container to .

in accordance with local/regional/national/international regulations (to be specified).

3. Composition/information on ingredients

Components	CAS-No	Percent %
VA/E/EHA/AA copolymer		50 - 56
Water	7732-18-5	44 - 46
Vinyl acetate	108-05-4	0.2

4. First aid measures

General Information

Wash contaminated clothing before re-use.

Skin

Wash off with soap and water. If symptoms persist, call a physician.

Eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. If conscious, drink plenty of water. Do not induce vomiting without medical advice.

5. Fire-fighting measures

NFPA

Health: 1

Flammability: 0

Instability: 0

Suitable extinguishing media

The product in solution form does not burn. The product will burn only after the water it contains is driven off. For dry polymer, use alcohol resistant foam, carbon dioxide (CO₂) or dry chemical.

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases

Under conditions giving incomplete combustion, hazardous gases produced may consist of Carbon monoxide

Carbon dioxide (CO₂)

Combustion gases of organic materials must in principle be graded as inhalation poisons

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

Other Information

This is a water-based product and presents no particular fire or explosion hazard

6. Accidental release measures

Personal precautions

Contaminated surfaces will be extremely slippery. Avoid contact with the skin and the eyes.

Environmental precautions

Do not flush into surface water or sanitary sewer system.

Methods for cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Dispose of in accordance with local regulations.

7. Handling and storage

Advice on safe handling

Product may contain hazardous volatile ingredients which could accumulate in the unvented headspace of drums or containers. Open containers in ventilated area. Do not breathe vapor. During longer storage small amounts of carbon monoxide may form. To the best of our knowledge, no OEL (occupational exposure limit) is exceeded during the intended use. Containers/tanks may only be entered after thoroughly executed ventilation while considering national regulations and international standards for inspection of containers/tanks. In any case of doubt a measurement of the CO concentration is necessary.

Protection - fire and explosion:

No special protective measures against fire required.

Technical measures/Storage conditions

Keep tightly closed in a dry and cool place. No special technical protective measures required.

Material storage

Protect from frost. To maintain product quality, do not store in heat or direct sunlight. Keep at temperatures between 5°C and 35°C (40°F and 95°F). Agitate before use. Keep tightly closed in a dry and cool place.

Incompatible products

Materials that react with water

8. Exposure controls / personal protection

OSHA Exposure Limits

Components	STEL
Vinyl acetate	20 PPM

ACGIH Exposure Limits

Components	TWA
Vinyl acetate	10 PPM

Components	STEL
Vinyl acetate	15 PPM

Mexico National Exposure Limits

Components	LMPE - PPT	
Vinyl acetate	30 mg/m ³	10 PPM

Components	STEL	
Vinyl acetate	60 mg/m ³	20 PPM

Components	Mexican Carcinogen Category
Vinyl acetate	A3

Exposure controls

Engineering measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Protective equipment

A safety shower and eyebath should be readily available.

General advice

Avoid contact with skin and eyes.

Respiratory protection

Based on workplace contaminant level and working limits of the respirator, use a respirator approved by NIOSH. The following is the minimum recommended equipment for an occupational exposure level. To estimate an occupational exposure level see Section 8 and Section 11.

For concentrations > 1 and < 10 times the occupational exposure level: Use air-purifying respirator with full facepiece and organic vapor/acid gas cartridge(s) or air-purifying full facepiece respirator with an organic vapor/acid gas canister or a full facepiece powered air-purifying respirator fitted with organic vapor/acid gas cartridge(s). The air purifying element must have an end of service life indicator, or a documented change out schedule must be established. Otherwise, use supplied air.

Skin protection:

Wear impervious clothing and gloves when there is a reasonable chance for skin contact..

Eye/face protection:

safety glasses with side-shields

9. Physical and chemical properties

Appearance

Form	liquid
Color	milky white
Odor	sweet (212°F)
pH	4.5 - 6.0
Viscosity	2000-10000 mPa*s @ 25°C
Specific Gravity	1.0804
Method	Brookfield Visc. RVT Sp. 2 / 20 r.p.m.

10. Stability and reactivity

Chemical stability

Stable under recommended storage conditions

Conditions to avoid

Do not freeze

Incompatible Materials

Materials that react with water

Possibility of hazardous reactions

No hazards to be especially mentioned.

11. Toxicological information**Potential health effects**

Routes of exposure Skin, Eyes, Inhalation

Immediate effects

Skin	Prolonged or repeated exposure may cause: skin irritation
Eyes	May cause eye irritation.
Ingestion	May cause gastrointestinal irritation.
Other:	Product contains residual Vinyl Acetate, an IARC 2B possible human carcinogen based on animal data

Toxicological data are not available. Observe the usual hygienic measures for handling chemicals.

12. Ecological Information

Biodegradation:	> 80 %
Method:	Zahn-Wellens-Test
Toxicity to bacteria	EC0: 1000 mg/l
Method:	OECD 209
Chemical Oxygen Demand (COD)	1200 mg/g
Method:	calculated
Acute fish toxicity	LC50: > 500 mg/l
Durations: (hours)	96 h
Method:	OECD 203

13. Disposal considerations**Disposal considerations**

Dispose of spilled material in accordance with state and local regulations for waste that is non-hazardous by Federal definition. Note that this information applies to the material as manufactured; processing, use, or contamination may make this information inappropriate, inaccurate, or incomplete.

Note that this handling and disposal information may also apply to empty containers, liners and rinsate. State or local regulations or restrictions are complex and may differ from federal regulations. This information is intended as an aid to proper handling and disposal; the final responsibility for handling and disposal is with the owner of the waste.

14. Transport information

US Department of Transportation Not regulated

TDG Not regulated

Mexico Transport Information Not regulated

ICAO/IATA Not restricted

IMDG Not regulated

15. Regulatory Information**US State Regulations**

Chemicals associated with the product which are subject to the state right-to-know regulations are listed along with the applicable state(s):

Vinyl acetate 108-05-4

Pennsylvania	Listed
New York	Listed
New Jersey	Listed
Illinois	Listed
Louisiana	Listed
Massachusetts	Listed
Rhode Island	Listed

U.S. FEDERAL REGULATIONS**Environmental Regulations:****TSCA Inventory:**

This product complies with the U.S. Toxic Substances Control Act (TSCA).

SARA 313 Chemicals

Vinyl acetate (108-05-4) 0.3 %

Vinyl acetate 108-05-4

EPCRA Section 313	Listed
CERCLA Hazardous Substance	Listed
Extremely Hazardous Substance	Listed

SARA 311:**INTERNATIONAL REGULATIONS****CANADIAN REGULATIONS**

WHMIS Classification: Classification D2A is due to the presence of residual vinyl acetate, which may be released during storage or thermal processing.

WHMIS Ingredient Disclosure List IDL:

This product does not contain substances required to be disclosed according to the Canada WHMIS Ingredient Disclosure List.

16. Other information

NFPA:	Health: 1	Flammability: 0	Instability: 0
HMIS:	Health: 1	Flammability: 0	Physical Hazard: 0

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Abbreviation and Acronym:

ADR = Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 CAS = Chemical Abstracts Service (division of the American Chemical Society)
 CLP = Classification, Labelling and Packaging
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IATA = International Air Transport Association
 ICAO = International Civil Aviation Organization
 IMDG = International Maritime Code for Dangerous Goods
 LD50 = Lethal Dose
 LC50 = Lethal Concentration
 RID = Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 R-Phrases = Risk Phrases
 S-Phrases = Safety Phrases