

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **TRA-BOND FDA2 Resin**

Date Printed: 8/31/00

TRA-CON, INC.
 45 Wiggins Avenue
 Bedford, MA 01730
 781-275-6363
 1-800-872-2661

Revision Date: 7/9/98

Revision: B

Emergency Telephone: 1-800-424-9300 (24 hours, CHEMTREC)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	%	OSHA ACGIH	TWA ppm	mg/m3	STEL ppm	mg/m3	Ceiling ppm	mg/m3
Phenol,4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl) oxirane	025068-38-6	80 - 100							

3. HAZARDS IDENTIFICATION

Effects of Overexposure: Repeated contact or breathing of vapors may cause irritation; material is also a strong sensitizer. Eye and skin contact may cause transient irritation.

4. FIRST AID MEASURES

Eyes	Flush with water, get medical attention.
Skin	Wash with soap and water; remove contaminated clothing.
Inhalation	Remove to fresh air.
Ingestion	No known antidote but give milk or water; induce vomiting if large amount swallowed.

5. FIREFIGHTING MEASURES

Flashpoint	> 200°F
Flashpoint Method	COC
Extinguishing Media	Dry chemicals, chemical foam, carbon dioxide, water.
Special Firefighting Measures	Avoid breathing smoke. Addition of water may reduce flame intensity.
Fire and Explosion Hazards	Toxic gases may be liberated; handle as combustible; store in a cool place.
Flammable Limits	N/A
LEL	N/A
UEL	N/A

6. ACCIDENTAL RELEASE MEASURES

Spill and Leak Procedures	Prevent skin and eye contact. Soak up in absorbent material or scrape up and transfer to disposal container. Wipe up remaining residue with solvents observing solvent flammability cautions, or use detergents.
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7. HANDLING AND STORAGE

Special Sensitivity	Store in cool place in closed containers.
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Local Exhaust	Recommended
Mechanical Exhaust	Recommended

Eye Protection Requirements	Safety glasses or goggles
Glove Requirements	Rubber or plastic disposable
Other Protection	As required to prevent all body contact; eye or bath and/or safety shower
Respirator Requirements	Air supplied or organic canister, mask in confined areas.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor	Light amber liquid, mild odor.
Boiling Point (°F)	> 350
Solubility in Water	low
Specific Gravity (H ₂ O=1)	1.3
Evaporation Rate (BuAc=1)	low
Vapor Pressure (mm Hg.)	< 1
Vapor Density (air = 1)	> 1
Percent Volatile	< 0.2

10. STABILITY AND REACTIVITY

Stability	Stable
Conditions to Avoid (Stability)	Avoid uncontrolled excess heating over long periods; avoid uncontrolled amine reactions
Incompatibility (Materials to Avoid)	Strong acids and bases, strong oxidizing agents.
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide, aldehydes, phenol.
Hazardous Polymerization	Will Not Occur
Conditions to Avoid (Reactivity)	High temperatures, strong acids; certain organics, metallic acids.

11. TOXICOLOGICAL INFORMATION

Primary Entry Route(s)	Skin, eyes, inhalation.
Oral, LD50	LD50 (rats) > 4 grams/kg.

12. ECOLOGICAL INFORMATION

Not available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods	Dispose of as hazardous waste according to local, state and federal regulations. Disposal method can be land burial or chemical incineration as regulated by all governmental agencies.
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14. TRANSPORTATION INFORMATION

Not Applicable

15. REGULATORY INFORMATION

TSCA: All components are on the TSCA inventory.

STATE LAWS:

The information given and the recommendations made herein apply to our product(s) alone and are not combined with other product(s). Such are based on our research and on data from other reliable sources and are believed to be accurate. No guaranty of accuracy is made. It is the purchaser's responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes.

16. OTHER INFORMATION

MSDS Date: 7/9/98

Revision: B

HMIS Coding: H: 1 F: 1 R: 0