

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Company Phone Number: (336) 475-6600
24-Hour Emergency Phone: 1-800-424-9300 CHEMTREC

Issue Date: 04/23/2009

Emergency Overview:	Color: Amber Form: Liquid Odor: Mild
Potential Health Effects:	See Section 11 for more information
Primary Route of Entry:	Dermal
Skin Contact:	▪ Prolonged or repeated exposure may cause skin irritation and redness. ▪ Skin sensitization or allergic reaction may occur in some individuals.
Eyes:	▪ Contact may cause irritation, redness, tearing and blurred vision.
Inhalation:	▪ No known health information on inhalation of vapors.
Ingestion:	▪ Low oral toxicity.
Chronic:	▪ None known

Component	CAS #	TLV	STEL	PEL	CONTENT.
Formaldehyde, Polymer with (chloro methyloxirane) and Phenol	9003-36-5	none	none	none	55 – 65%
Neopentyl Diglycidyl Ether (NDE)	17557-23-2	none	none	none	30 – 40%
Oxirane (chloromethyl)	106-89-8	2ppm	5ppm	none	<2ppm

Inhalation:

- Remove victim from exposure.
- If difficulty with breathing, administer oxygen and seek immediate medical assistance.

Eyes:

- Flush with water, lifting upper and lower lids occasionally for 15 minutes.
- Seek medical attention

- Skin:
- Wash with soap and water; get medical attention if irritation persists.
- Ingestion:
- Do not give liquid if victim is unconscious or very drowsy; otherwise give no more than two glasses of water or milk and induce vomiting with two tablespoons of Syrup of Ipecac or by touching finger to back of victim's throat.
 - Keep victim's head below hips while vomiting.
 - Seek medical attention.

Section 5: FIRE FIGHTING MEASURES

- Flash Point: >250 F (PMCC)
- Auto-ignition Temperature: Not Determined
- Limits of Flammability: LEL: Not Determined UEL: Not Determined
- Extinguishable Media: Carbon Dioxide, foam, dry chemical and water fog
- Special Fire & Unusual Hazards: Self-contained respirator equipment and full protective clothing required when smoke or fumes are generated. Electrical grounding not recommended.

Section 6: ACCIDENTAL RELEASE MEASURES

- Action to take for Spills and Leaks:
- Wear appropriate protective gear.
 - Contain leak/spill. Salvage.
 - Clean up residue with absorbent material.

Section 7: HANDLING AND STORAGE

- Handling:
- Ventilation is recommended.
 - Air movement must be designed to insure turnover at all locations in work area to prevent build-up of heavy vapors.
- Storage:
- Store at room temperature. Do not allow to freeze

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

- Personal Protection:
- Use eye protection. Selection of specific items such as gloves, boots, and apron will depend on the operation.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

- Boiling Point: >100 C
- Percent Volatile: Negligible
- Freezing Point: Not Determined
- Vapor Pressure @ 20C: Not Determined
- Vapor Density: Heavier than air
- Odor Threshold: Not Determined
- Appearance: Amber liquid
- Water/Oil Distribution Coefficient: Not Determined
- Solubility in Water: Minimal
- Specific Gravity: 1.1
- pH: Not Determined
- Evaporation Rate: Not Determined
- Odor: Mild

Section 10: STABILITY AND REACTIVITY

Stability:	▪ This product must be mixed with another component to react at room temperature. ▪ Excessive heat and fume generation can occur if improperly handled. ▪ Not sensitive to mechanical impact.
Incompatibility:	▪ Strong acids and strong bases. ▪ Amines and mercaptans may initiate possible hazardous polymerization.
Hazardous Decomposition Products:	▪ Carbon monoxide and dioxide, aldehydes, various hydrocarbons from incomplete combustion
Hazardous Polymerization:	▪ May occur if product is not handled per instructions

Section 11: TOXICOLOGY INFORMATION

Oral LD ₅₀	CAS 9003-36-5	5g/kg (rat)
	CAS 17557-23-2	8.8g/kg (rat)

Section 12: ECOLOGICAL INFORMATION

No information available.

Section 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method:	▪ Handle disposal of waste material in a manner which complies with local, state, province, and federal regulations. ▪ Landfill if solidified or incinerate at agency approved waste-disposal facility
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Section 14: TRANSPORTATION INFORMATION

DOT Proper Shipping Name:	Epoxy resin mixture, not regulated
DOT Hazard Class or Division:	Not regulated
Identification Number:	N/A
Packing Group:	N/A
Labels Required:	N/A
WHMIS Labeling:	Stylized T
Storage Conditions:	Keep containers tightly sealed. Store in dry and cool areas. Avoid freezing conditions.
Shelf Life:	18 months, minimum

Section 15: REGULATORY INFORMATION

California Prop. 65:	Oxirane, (chloromethyl) trace, CAS 106-89-3
WHMIS Classification:	Class B, Div. 3; Class D, Div. 2, Sub. B

Section 16: OTHER INFORMATION**HMIS**

Health Rating:	2 (Moderate Hazard)
Flammability Rating:	1 (Slight Hazard)
Reactivity Rating:	1 (Slight Hazard)
Personal Protection	C (Safety Glasses, Gloves, Apron)

The information given herein is given in good faith. No warranty, expressed or implied, is made regarding the accuracy of these data or the results obtained from the use thereof. All materials may present unknown health hazards and must be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Material Safety Data Sheet

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Flint Trading, Inc.
115 Todd Court
Thomasville, NC 27360

Company Phone Number: (336) 475-6600
24-Hour Emergency Phone: 1-800-424-9300 CHEMTREC

Product Name: **TopMark® Sealer₁ Part B**

Issue Date: 04/23/2009

Section 2: HAZARDS IDENTIFICATION

Emergency Overview: Color: Black Form: Liquid Odor: Ammoniacal

Potential Health Effects: See Section 11 for more information

Primary Route of Entry: Dermal, Inhalation

Inhalation:

- Due to low vapor pressure of this product, fumes will be minimal below 90F.
- At higher temperatures, fumes will be irritating.

Eyes:

- Contact can cause severe burns, irritation, redness, tearing and blurred vision

Skin Contact:

- Short single exposure may cause moderate irritation to mild burn.
- Prolonged or repeated exposure may cause a severe burn.
- May result in an allergic reaction or sensitization in some individuals.

Ingestion:

- Intake can cause gastrointestinal irritation, nausea, vomiting, diarrhea, headache and drowsiness. Can result in burns of mouth esophagus and stomach.

Chronic:

- None known

Section 3: COMPOSITION INFORMATION

Component	CAS #	TLV	STEL	PEL	CONTENT.
Benzene-1,3-dimethanamine	1477-55-0	N/E	N/E	0.1 mg/m3	10 – 15%
Trimethylhexanediamine	3236-53-1	N/E	N/E	N/E	8 – 13%
Tris-2,4,6-dimethylamino methylphenol	90-72-2	N/E	N/E	N/E	1 - 5%

N/E = Not established

Section 4: FIRST AID MEASURES

Eyes:

- Flush eyes with water and/or 1% boric acid, lifting upper and lower lids occasionally for 30 minutes.
- Seek prompt medical attention

Skin:

- Wash with soap and water for at least 15 minutes.
- Remove contaminated clothing and wash before re-use.
- Destroy contaminated leather.
- Seek medical attention if irritation persists

Ingestion:

- Do not induce vomiting.

- Give large quantities of water or vinegar diluted with water.
- Get immediate medical attention
- If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquids into lungs.
- Do not give anything by mouth to an unconscious person.

Inhalation:

- Remove victim from exposure.
- If difficulty with breathing, administer oxygen and seek immediate medical assistance.

Section 5: FIRE FIGHTING MEASURES

Flash Point: 230 F (PMCC)
 Auto-ignition Temperature: N/D
 Limits of Flammability: LEL: N/D UEL: N/D
 Extinguishable Media: Carbon Dioxide, Foam, Dry Chemical & Water Fog
 Special Fire & Unusual Hazards: Self-contained respirator equipment and full protective clothing required when smoke or fumes are generated. Electrical grounding not recommended.

Section 6: ACCIDENTAL RELEASE MEASURES**Action to take for Spills and Leaks:**

- Ventilate area
- Wear appropriate protective gear.
- Contain leak/spill.
- Clean up residue with absorbent material.
- Wash down area with water and diluted acetic acid

Section 7: HANDLING AND STORAGE**Handling:**

- Ventilation is recommended.
- Air movement must be designed to insure turnover at all locations in work area to prevent build-up of heavy vapors.

Storage:

- Store at room temperature. Do not allow to freeze

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**Personal Protection:**

- Use eye protection. Selection of specific items such as gloves, boots, and apron will depend on the operation.
- Wear respirator protection whenever airborne concentrations exceed TLV ceilings or TWA, use NIOSH approved respirators for listed hazard.
- Confined spaces, rooms or tanks are areas where concern for TLV's is especially important.
- Reference OSHA regulation CFR 29 1910.134 for recommended respiratory protection.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	>150 C	Percent Volatile:	Negligible
Freezing Point:	Not Determined	Vapor Pressure @ 20C:	<0.1mm Hg
Vapor Density:	Heavier than air	Odor Threshold:	Not Determined
Appearance:	Black liquid	Water/Oil Distribution Coefficient:	Not Determined
Solubility in Water:	Slight	Specific Gravity:	>1.2
pH:	Basic	Evaporation Rate:	Not Determined
Odor:	Ammoniacal		

Section 10: STABILITY AND REACTIVITY**Stability:**

- Stable
- This product must be mixed with another component to react.
- Not sensitive to mechanical impact.

- Incompatibility: ▪ Strong oxidizing agents, acids, epoxy resins, isocyanates and organic peroxides may result in violent explosive reactions.
- Hazardous
Decomposition
Products: ▪ Carbon monoxide and dioxide, nitrogen oxides, aldehydes and various hydrocarbons from incomplete combustion.
- Hazardous
Polymerization: ▪ Will not occur unless product is mixed with epoxy resins, isocyanates or urethane prepolymers.

Section 11: TOXICOLOGY INFORMATION

- Skin Absorption LD₅₀: ▪ CAS 90-72-2 1.28 g/kg(rabbit)
- Ingestion LD₅₀: ▪ CAS 90-72-2 168g/kg (rat) CAS 1477-55-0 1.75 g/kg (rat)
 ▪ CAS 3236-53-1 1.75 g/kg(rat)

Section 12: ECOLOGICAL INFORMATION

No information available.

Section 13: DISPOSAL CONSIDERATIONS

- Waste Disposal Method: ▪ Handle disposal of waste material in a manner which complies with local, state, province, and federal regulations.
 ▪ Landfill if solidified or incinerate at agency approved waste-disposal facility

Section 14: TRANSPORTATION INFORMATION

- DOT Proper Shipping Name: Alkylamines, liquid, corrosive, n.o.s (Benzene-1,3-dimethaneamine mixture)
- DOT Hazard Class or Division: 8
- Identification Number: UN 2735
- Packing Group: III
- Labels Required: Corrosive
- WHMIS Labeling Test tube, hand.
- Shelf Life: 18 months, minimum

Section 15: REGULATORY INFORMATION

- WHMIS Classification: Class B, Div. 3; Class D, Div. 2, Sub. A&B; Class E.

Section 16: OTHER INFORMATION

HMIS

- Health Rating: 3 (Serious Hazard)
- Flammability Rating: 1 (Slight Hazard)
- Reactivity Rating: 1 (Slight Hazard)
- Personal Protection C (Safety Glasses, Gloves, Apron)

The information given herein is given in good faith. No warranty, expressed or implied, is made regarding the accuracy of these data or the results obtained from the use thereof. All materials may present unknown health hazards and must be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.