



# MATERIAL SAFETY DATA

Chemtrec 24-Hour Emergency Telephone

Domestic North America (800) 424-9300

International (800) 527-3887

*This MSDS complies with 29 CFR 1910.1200 (Hazard Communications)*

## 1. Product and Supplier Identification

**Product Name:** Fiberthane Primer Catalyst (Part B)  
200140207, 200140208, 200140210

**Date of Prep:** 04/21/10

**Product Type:** Catalyst

**Supplier:** Fiberlay Inc.  
24 S. Idaho S.  
Seattle, Wa 98134  
(206)782-0660

## 2. Composition/Information On Ingredients

| % (w/w) | CAS Number  | Ingredient                         | Units   | Vapor Pressure |
|---------|-------------|------------------------------------|---|----------------|
| 28      | 110-43-0    | Methyl n-Amyl Ketone               | ACGIH TLV 50 PPM<br>OSHA PEL 100 PPM  | 3.855 mm       |
| 0.2     | 91-08-7     | Toluene-2,6-diisocyanate<br>(max.) | ACGIH TLV Not Available<br>OSHA PEL Not Available                           |                |
| 0.8     | 584-84-9    | Toluene-2,4-diisocyanate<br>(max.) | ACGIH TLV 0.005 PPM<br>ACGIH TLV 0.02 PPM STEL<br>OSHA PEL 0.02 PPM CEILING |                |
| 73      | Proprietary | Toluene Diisocyanate<br>Polymer    | ACGIH TLV Not Available<br>OSHA PEL Not Available                           | 0.05           |

## 3. Hazards Identification

### ROUTES OF EXPOSURE

INHALATION of vapor or spray mist.

EYE or SKIN contact with the product, vapor or spray mist.

### EFFECTS OF OVEREXPOSURE

**EYES:** Irritation.

**SKIN:** Prolonged or repeated exposure may cause irritation.

**INHALATION:** Irritation of the upper respiratory system.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

Prolonged overexposure to hazardous ingredients in Section 2 may cause adverse chronic effects to the following organs or systems:

- the liver
- the urinary system

## Fiberthane Catalyst

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

May cause allergic respiratory and/or skin reaction in susceptible persons or sensitization. This effect may be delayed several hours after exposure.

Persons sensitive to isocyanates will experience increased allergic reaction on repeated exposure.

### CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

**HMIS CODES: H 3\* / F 2 / R 1**

## 4. First Aid Measures

**EYES:** Flush eyes with large amounts of water for 15 minutes. Get medical attention.

**SKIN:** Wash affected area thoroughly with soap and water.

Remove contaminated clothing and launder before re-use.

**INHALATION:** If any breathing problems occur during use, **LEAVE THE AREA** and get fresh air. If problems remain or occur later, **IMMEDIATELY** get medical attention.

**INGESTION:** Do not induce vomiting. Get medical attention immediately.

## 5. Fire Fighting Measures

**FLASH POINT:** 120°F PMCC

**LOWER EXPLOSIVE LIMIT:** 1.1

**UPPER EXPLOSION LIMIT:** 7.9

**FLAMMABILITY CLASSIFICATION:** Combustible, Flash above 99 and below 200 °F

**EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode when exposed to extreme heat.

Application to hot surfaces requires special precautions.

During emergency conditions overexposure to decomposition products may cause a health hazard.

Symptoms may not be immediately apparent. Obtain medical attention.

### SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

## 6. Accidental Release Measures

### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate the area.

All personnel in the area should be protected as in Section 8.

Cover spill with absorbent material. Deactivate spilled material with a 10% ammonium hydroxide solution (household ammonia). After 10 minutes, collect in open containers and add more ammonia. Cover loosely.

Wash spill area with soap and water.

## 7. Handling and Storage

### STORAGE CATEGORY

DOL Storage Class II

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Contents are COMBUSTIBLE. Keep away from heat and open flame.

Consult NFPA Code. Use approved Bonding and Grounding procedures. Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. **Do not take internally.**

**Keep out of the reach of children.**

## 8. Exposure Controls, Personal Protection

### PRECAUTIONS TO BE TAKEN IN USE

**NO PERSON SHOULD USE THIS PRODUCT, OR BE IN THE AREA WHERE IT IS BEING USED, IF THEY HAVE CHRONIC (LONG-TERM) LUNG OR BREATHING PROBLEMS OR IF THEY EVER HAD A REACTION TO ISOCYANATES.**

Use only with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m<sup>3</sup> (total dust), 3 mg/m<sup>3</sup> (respirable fraction), OSHA PEL 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction).

### VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits.

Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

### RESPIRATORY PROTECTION

Where overspray is present, a positive pressure air supplied respirator (TC19C NIOSH/MSHA approved) should be worn. If unavailable, a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2 may be effective. Follow respirator manufacturers directions for use. Wear the respirator for the whole time of spraying and until all vapors and mists are gone. **NO PERSONS SHOULD BE ALLOWED IN THE AREA WHERE THIS PRODUCT IS BEING USED UNLESS EQUIPPED WITH THE SAME RESPIRATOR PROTECTION RECOMMENDED FOR THE PAINTERS.**

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

### PROTECTIVE GLOVES

To prevent skin contact, wear gloves which are recommended by glove supplier for protection against materials in Section 2.

### EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

### OTHER PROTECTIVE EQUIPMENT

Use barrier cream on exposed skin.

### OTHER PRECAUTIONS

This product must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

## 9. Physical and Chemical Properties

|                          |                           |   |  |
|--------------------------|---------------------------|---|--|
| <b>Product Weight:</b>   | 9.32 lb/gal 1116 g/l      | <b>Vapor Density:</b>   | Heavier than air                         |
| <b>Specific Gravity:</b> | 1.12                      | <b>Solubility in Water:</b>                                       | N.A.                                     |
| <b>Boiling Point:</b>    | 297 - 308 °F 147 - 153 °C | <b>Volatile Organic Compounds (VOC Theoretical – As Packaged)</b> |  |
| <b>Melting Point:</b>    | Not Available             | 2.56 lb/gal 307 g/l   | Less Water and Federally Exempt Solvents |
| <b>Volatile Volume</b>   | 37%                       | 2.56 lb/gal 307 g/l   | Emitted VOC                              |
| <b>EvaporatioRate:</b>   | Slower than ether         |   |  |

## 10. Stability and Reactivity

### STABILITY — Stable

### CONDITIONS TO AVOID

None known.

### INCOMPATIBILITY

Contamination with Water, Alcohols, Amines and other compounds which react with isocyanates, may result in dangerous pressure in, and possible bursting of, closed containers.

## Fiberthane Catalyst

### HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

### HAZARDOUS POLYMERIZATION

Will not occur

## 11. Toxicological Information

### CHRONIC HEALTH HAZARDS

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Toluene Diisocyanate (TDI), listed by NTP, has been shown to cause cancer in laboratory animals when administered directly into the stomach. No evidence of cancer from exposure to TDI by inhalation has been reported.

### TOXICOLOGY DATA

| CAS No.     | Ingredient Name                 |                      |     |                                |
|-------------|---------------------------------|----------------------|-----|--------------------------------|
| 110-43-0    | Methyl n-Amyl Ketone            | LC50 RAT<br>LD50 RAT | 4HR | Not Available<br>1670 mg/kg    |
| 91-08-7     | Toluene-2,6-diisocyanate (max.) | LC50 RAT<br>LD50 RAT | 4HR | Not Available<br>Not Available |
| 584-84-9    | Toluene-2,4-diisocyanate (max.) | LC50 RAT<br>LD50 RAT | 4HR | Not Available<br>5800 mg/kg    |
| Proprietary | Toluene Diisocyanate Polymer    | LC50 RAT<br>LD50 RAT | 4HR | Not Available<br>Not Available |

## 12. Ecological Information

**Environmental Toxicity:** No data available.

## 13. Disposal Considerations

### WASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

## 14. Transport Information

### US Ground (DOT)

May be Classed as a Combustible Liquid for U.S. Ground.

UN1263, PAINT RELATED MATERIAL, 3, PG III, (ERG#128)

### Bulk Containers may be Shipped as:

UN1263, PAINT RELATED MATERIAL, COMBUSTIBLE LIQUID, PG III, (ERG#128), \*\* DO NOT FREEZE \*\*

### Canada (TDG)

May be Classed as a Combustible Liquid for Canadian Ground.

UN1263, PAINT RELATED MATERIAL, CLASS 3, PG III, (ERG#128)

### IMO

UN1263, PAINT RELATED MATERIAL, CLASS 3, PG III, (49 C c.c.), EmS

F-E, S-E, ADR (D/E), \*\* DO NOT FREEZE \*\*

## 15. Regulatory Information

### SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

| CAS No.  | CHEMICAL/COMPOUND               | % by WT | % Element |
|----------|---------------------------------|---------|-----------|
| 584-84-9 | Toluene-2,4-diisocyanate (max.) | 0.7     |           |

### CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

### TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

## 16. Other Information

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the

MSDS contains all of the information required by the CPR.

**Preparation Date:** April 21, 2010

**Prepared by:** Fiberlay Inc

Comments: This Material Safety Data Sheet was prepared using information provided by Sherwin Williams and Fiberlay Inc.

**Revisions:** None

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.