

Tiger Foam Resin

## TF-4000B

### 1. Substance/preparation and company identification

Company

Commercial Thermal Solutions, Inc.  
6 Worthington Ave.  
Spring Lake, NJ 07762  
Tel: 800-664-0063

24 Hour Emergency Response Information

CHEMTREC: (800) 424-9300

Chemical family:

resin

Synonyms:

Urethane System Resin Component

### 2. Composition/information on ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
108-01-0	< 75.0 % < 15.0 % < 3.0 % < 2.0 %	Polyol Flame Retardant 2-dimethylaminoethanol
460-73-1	< 5.0 % < 10.0 %	Surfactant Catalyst 1,1,1,3,3-pentafluoropropane

### 3. Hazard identification

Emergency overview

CAUTION: MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.  
CORROSIVE TO SKIN.  
SEVERELY IRRITATING TO EYES, SKIN, RESPIRATORY TRACT.  
SENSITIZER.

Potential health effects

**Primary routes of exposure**

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

**Acute toxicity:**

Ingestion may cause gastrointestinal disturbances.

*Information on: Fluorocarbons*

*At levels above the recommended exposure limit, the fluorocarbon acts as a weak narcotic. Acute overexposure causes tremors, confusion, irritation, suffocation, and may result in cardiac sensitization.*

*Information on: Dimethylaminoethanol*

*Dimethylaminoethanol is extremely irritating to the skin and eyes. Direct contact with the liquid is corrosive. Acute inhalation exposures at high concentrations have been known to produce respiratory difficulties, loss of coordination and decreased motor activity in rats.*

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### **Irritation:**

Irritating to respiratory system.

*Information on: Polyol*

*Contact with the eyes and skin may result in irritation.*

*Information on: Dimethylaminoethanol*

*Contact with Dimethylaminoethanol may result in severe irritation. Burns and permanent injury may result.*

### **Repeated dose toxicity:**

No other known chronic effects.

*Information on: Dimethylaminoethanol*

*Repeated skin contact with Dimethylaminoethanol may result in sensitization. Repeated inhalation has been known to produce effects on the eyes and nasal mucosa as well as respiratory and olfactory lesions in experimental animals. Exposure to Dimethylaminoethanol has been associated with visual and ocular changes and is reversible upon significantly reduced or ceased exposure.*

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## 4. First-aid measures

### **General advice:**

Remove contaminated clothing.

### **If inhaled:**

Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.

### **If on skin:**

Wash affected areas thoroughly with soap and water. Immediate medical attention required.

### **If in eyes:**

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Immediate medical attention required.

### **If swallowed:**

Rinse mouth and then drink plenty of water. Induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediate medical attention required.

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## 5. Fire-fighting measures

Flash point: > 200 °C

(closed cup)

Autoignition:

No data available.

### **Suitable extinguishing media:**

water, dry extinguishing media, carbon dioxide, foam

### **Hazards during fire-fighting:**

No particular hazards known.

### **Protective equipment for fire-fighting:**

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

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### 6. Accidental release measures

**Cleanup:**

Spills should be contained, solidified, and placed in suitable containers for disposal.

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### 7. Handling and storage

**Handling**

**General advice:**

Product should not be mixed with air above atmospheric pressure for leak testing or any other purpose. Use dry nitrogen to transfer or leak test equipment pressurized with product.

**Protection against fire and explosion:**

No explosion proofing necessary.

**Storage**

**General advice:**

Product that is frozen and/or tending to sedimentation can be liquefied or homogenized by careful application of indirect heat (do not use flames or direct contact with a heat source). Protect from direct sunlight. Keep in a cool, well-ventilated place. Avoid extreme heat. Store protected against freezing. Stored and transported in a cylinder under pressure. Must not be repacked by the customer.

**Storage stability:**

Storage temperature: 70 - 80 °F

Protect against moisture. Store in unopened original containers in a cool and dry place.

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### 8. Exposure controls and personal protection

**Advice on system design:**

Provide local exhaust ventilation to control vapors/mists.

**Personal protective equipment**

**Respiratory protection:**

Air supplied, full face respirators should be worn by applicators and adjacent workers.

**Hand protection:**

Chemical resistant protective gloves

**Eye protection:**

Wear face shield or tightly fitting safety goggles (chemical goggles) if splashing hazard exists.

**General safety and hygiene measures:**

Avoid contact with skin. Handle in accordance with good industrial hygiene and safety practice. Wear protective clothing as necessary to prevent contact. Avoid inhalation of vapors/mists. Wash soiled clothing immediately.

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### 9. Physical and chemical properties

Form:	liquid
Odor:	amine-like
Color:	brown
pH value:	>= 7
Bulk density:	9.60 - 9.83 lb/USg ( 25 °C)
Viscosity, dynamic:	800 - 1,000 mPa.s ( 23 °C)
Miscibility with water:	slightly soluble

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### 10. Stability and reactivity

**Conditions to avoid:**

> 80 degrees Fahrenheit  
Avoid moisture. Avoid direct sunlight. Avoid excessive temperatures.

**Hazardous reactions:**

The product is chemically stable.

**Decomposition products:**

Hazardous decomposition products: carbon monoxide, Carbon dioxide

**Thermal decomposition:**

No data available.

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### 11. Toxicological information

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### 12. Ecological information

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### 13. Disposal considerations

**Waste disposal of substance:**

Incinerate in a licensed facility.  
Dispose of in a licensed facility.  
Do not discharge substance/product into sewer system.

**Container disposal:**

Steel drums must be emptied and can be sent to a licensed drum reconditioner for reuse, a scrap metal dealer or an approved landfill. Refer to 40 CFR § 261.7 (residues of hazardous waste in empty containers). Decontaminate containers prior to disposal. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

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### 14. Transport information

Reference Bill of Lading

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## 15. Regulatory information

### Federal Regulations

#### Registration status:

TSCA, US released / listed  
TSCA 12B released / listed  
OSHA hazard category: No data available.

SARA hazard categories (EPCRA 311/312): Not hazardous

### State regulations

#### CA Prop. 65:

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

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## 16. Other information

### HMIS III rating

Health: 1                      Flammability: 1                      Physical hazard: 1

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

### Local contact information

1-877-6-FOAM-IT

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**Safety Goggles Positively Must be worn when using our products.**