



## PRO-TECH PRODUCTS

### Safety Data Sheet

According to GHS

Foam R

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#### SECTION 1: Identification

##### Product identifier

Product name	Foam R
Substance name	Polyurethane Resin

##### Supplier's details

Name	Pro-Tech Products
Address	3003 N. 73rd Street Scottsdale, AZ 85251 USA
Telephone	480-945-7303
Fax	480-945-8873
Website	<a href="http://www.Pro-TechProducts.com">www.Pro-TechProducts.com</a>

##### Emergency phone number(s)

CHEMTREC: 800-424-9300

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#### SECTION 2: Hazard identification

##### Classification of the substance or mixture

- Skin corrosion/irritation (chapter 3.2), Cat. 3
- Eye damage/irritation (chapter 3.3), Cat. 2

##### GHS label elements, including precautionary statements

##### Pictogram



##### Signal Word

Warning

##### Hazard Statements:

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- May cause skin irritation
- May cause eye irritation
- May cause Respiratory tract irritation

### Precautionary Statements:

- Do not breathe fume/ gas/ mist/ vapors, spray
- Wear protective gloves/ eye protection/ face protection
- IF IN EYES: Rinse immediately with water for at least 15 minutes. Get medical attention immediately
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, have a trained individual administer oxygen.
- IF ON SKIN: Wash with plenty of soap and water.

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## SECTION 3: Composition/information on ingredients

### Mixtures

Substance name Polyurethane Resin

### Hazardous components

#### 1. 1,1,1,3,3-Pentafluoropropane (CF<sub>3</sub>CH<sub>2</sub>CHF<sub>2</sub> OR HFC-245fa)

Concentration Not specified  
CAS no. 460-73-1

#### 2. Tertiary amine catalysts

Concentration Not specified  
CAS no. Proprietary

#### 3. Trans-1,2- Dichloroethylene

Concentration Not specified  
CAS no. 156-60-5

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## SECTION 4: First-aid measures

### Description of necessary first-aid measures

If inhaled	Move to fresh air if symptoms develop. If breathing is difficult, give oxygen and call physician.
In case of skin contact	Wash with soap and water at first opportunity.
In case of eye contact	Flush with water for at least 15 minutes. See a physician if irritation develops.
If swallowed	Do not induce vomiting unless told to do so by a medical professional

### Most important symptoms/effects, acute and delayed

May cause skin or eye irritation upon contact. Avoid breathing vapors. The dense vapors can displace and reduce breathing air in confined or

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unventilated spaces causing asphyxiation. Overexposure may cause tremors, confusion, irritation, and may result in cardiac sensitization.

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### SECTION 5: Fire-fighting measures

#### Suitable extinguishing media

Water, dry chemicals, CO<sub>2</sub>

#### Specific hazards arising from the chemical

Overheated containers may rupture due to pressure produced by CF<sub>3</sub>CH<sub>2</sub>CHF<sub>2</sub>. CF<sub>3</sub>CH<sub>2</sub>CHF<sub>2</sub> burns to form acids and noxious gases.

#### Special protective actions for fire-fighters

A self-contained breathing apparatus should be worn to protect against toxic and irritating vapors.

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### SECTION 6: Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

Clear area. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

#### Environmental precautions

Do not discharge into drains/surface waters/groundwater.

#### Methods and materials for containment and cleaning up

Absorb with sawdust, etc., and shovel into container. Waste material should be disposed of under conditions which meet federal, state, and local environmental regulations.

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### SECTION 7: Handling and storage

#### Precautions for safe handling

Store between 65°F and 85°F out of sunlight. Relieve pressure slowly when opening container. Under no circumstances should empty drums be burned or cut open with an electric or gas torch.

#### Conditions for safe storage, including any incompatibilities

Keep tightly sealed

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### SECTION 8: Exposure controls/personal protection

#### Control parameters

##### 1. 1,1,1,3,3- Pentafluoropropane ( CF<sub>3</sub>CH<sub>2</sub>CHF<sub>2</sub> OR HFC-245fa)

300ppm recommended

##### 2. Tertiary Amine Catalysts

None established

##### 3. Trans- 1,2- Dichloroethylene

200ppm

#### Individual protection measures, such as personal protective equipment (PPE)

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### Eye/face protection

Wear goggles or chemical safety glasses and chemically resistant rubber or plastic gloves. Avoid eye and skin contact. Eye wash system and showers should be available.

### Respiratory protection

The specific respirator selected must be based on contamination levels of this material found in the workplace and the working limits of the respirator. A supplied air, full-face mask, positive pressure or continuous flow respirator or a supplied air hood is required when airborne concentrations are unknown or exceed threshold limit values. A positive pressure, self-contained breathing apparatus can be used in emergencies or other unusual situations. Full-face air purifying respirators equipped with organic vapor cartridges can be used in certain situations, see OSHA standard 29CFR 1910.134. All equipment must be NIOSH approved and maintained.

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## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance/form	Liquid
Odor	Ethereal Odor
Odor threshold	N/A
pH	N/A
Melting point/freezing point	<32° F
Initial boiling point and boiling range	N/A
Flash point	>200° F
Evaporation rate	Slower than Ether
Flammability (solid, gas)	N/A
Upper/lower flammability limits	N/A
Upper/lower explosive limits	N/A
Vapor pressure	N/A
Vapor density	N/A
Relative density	N/A
Solubility(ies)	Slightly soluble in water
Partition coefficient: n-octanol/water	N/A
Auto-ignition temperature	>500° F
Decomposition temperature	>500° F
Viscosity	N/A
Explosive properties	N/A
Oxidizing properties	N/A

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## SECTION 10: Stability and reactivity

### Chemical stability

Stable

### Possibility of hazardous reactions

N/A

### Conditions to avoid

Temperatures over 85°F

### Incompatible materials

Isocyanates and other chemicals that react with hydroxyl groups.

### Hazardous decomposition products

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When burned, CO, CO<sub>2</sub>, NO<sub>x</sub> aliphatic fragments, halogens, halogen acids, and possibly carbonyl halides.

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### SECTION 11: Toxicological information

#### Information on toxicological effects

**Acute toxicity:**

May cause skin irritation

**Likely routes of exposure:**

Skin

**Symptoms related to physical, chemical and toxicological characteristics:**

May cause skin irritation

**Delayed and immediate effects and chronic effects from short and long-term exposure:**

May cause skin irritation; avoid contact with eyes

**Numerical toxicity measures:**

Not available

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### SECTION 12: Ecological information

**Toxicity**

Not a marine pollutant

**Persistence and degradability**

No known significant effects

**Bioaccumulative potential**

Does not bioaccumulate

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### SECTION 13: Disposal considerations

**Disposal of the product**

R component drums can be sent to drum reconditioners or disposed of as ordinary industrial waste in compliance with pertinent regulations

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### SECTION 14: Transport information

**DOT (US)**

UN Number: Not Regulated

Packing Group: Not Regulated

Proper Shipping Name: Not Regulated

Marine pollutant: N

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### SECTION 15: Regulatory information

**Safety, health and environmental regulations specific for the product in question****Inventory Status:**

All components TSCA listed

**US Regulations:**

No ingredients listed

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**US Superfund Amendments and Reauthorization Act (SARA) Title III section 313 information:**  
No ingredients listed

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### **SECTION 16: Other information**

**SDS preparation date: 6/15/15**

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