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**MATERIAL SAFETY DATA SHEET (MSDS)**

**MSDS FOR: RPC 99 – Foam B**  
**DATE: March 25, 2010**  
**SUPERSEDES: January 1, 2010**

**24 HOUR CEMICAL**  
**EMERGENCY RESPONSE NUMBER:**  
**CHEM-TREC**  
**1-800-424-9300**  
**USA and CANADA**

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Common Name: Polyurethane System 59B  
Formula Trade Name: Two Component Water Blown  
Description: Polyurethane Isocyanate Component CAS Number: Mixture

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***Section 1: Hazardous Ingredients:***

None

***Section 2: Hazardous Summary:***

Emergency Overview: Harmful if inhaled. Toxic fumes are released in fire situations. Clear yellow liquid.

Potential Health Effects:

Inhalation: Heating, foaming or otherwise mechanically dispersing (drumming, venting or pumping) operations of this blend may generate more vapor or aerosol concentrations of its components. This blend contains tertiary amine in amounts less than what is required to report as hazardous, however the tertiary amine component is severely irritating to the upper respiratory tract and mucous membranes of the nose and throat and can result in coughing, chest discomfort and headache.

Skin Contact: Prolonged contact may lead to burning associated with severe reddening, swelling and tissue destruction.

Eye Contact: This blend will cause irritation on contact. Symptoms include watering or discomfort of the eyes with marked excess redness and swelling of the conjunctiva and chemical burns of the cornea. Tertiary amines can produce blurring of vision against a general bluish haze and the appearance of halos around bright objects (referred to as "blue haze"). Tertiary amines can also cause severe conjunctivitis.

Ingestion: The tertiary amines from his blend could cause severe irritation and possible chemical burns of the mouth, throat, esophagus and stomach with pain or discomfort in the mouth, throat, chest and abdomen. Symptoms include nausea, vomiting, diarrhea, thirst, circulatory collapse and coma.

Carcinogenicity: The components of this blend are not listed by the NTP, IARC or regulated by OSHA as carcinogens.

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NE = Not Established NA = No Data Available ca = Approximately < = Less Than C = Ceiling

### **Section 3: First Aid Measures**

- Ingestion: Induce vomiting by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person.
- Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility immediately.

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### **Section 4: Fire Fighting Measures**

Flash Point NDA  
Autoignition Temperature: NDA  
Flammable Limits (STP): NDA  
NFPA Combustible Class III B

Fire Degradation Products: Toxic fumes are released in fire situations. Combustion may produce carbon dioxide, carbon monoxide and nitrogen oxides.

Extinguishing Media: Use dry chemical foam, carbon dioxide, halogenated agents or water. Use cold water spray to cool containers exposed to fire to minimize risk of rupture. A solid stream of water directed into the hot burning liquid could cause frothing. If possible, contain fire run-off water.

Protective Equipment: Wear positive pressure self-contained breathing apparatus with full face piece and full protective clothing.

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### **Section 5: Accidental Release Measures**

Spill: Evacuate spill area. Remove all sources of flames, heating elements, gas engines, etc. Emergency clean-up personnel should wear chemical goggles, rubber or plastic gloves and clothing as required to protect against contact. If mist and or hot vapors are present, use air purifying respirator or self contained breathing apparatus as required. The type of respirator selected should prevent exposure from traces of propylene oxide which may be present. Prevent spreading and contamination of surface waters and drinking supplies. Notify local health officials and other appropriate agencies if such a contamination should occur.

Clean up: With adequate ventilation and appropriate personal protective equipment, cover the area with an inert absorbent material such as clay or vermiculite and transfer to steel waste containers. The spill area should then be washed down with soap and water to dilute and remove traces of material. Ventilate area to remove the remaining vapors.

Disposal: Any disposal practice must be in compliance with all federal, state and local laws and regulations. Chemical additions, processing, storage, or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Waste characterization and disposal compliance is the responsibility solely of the party generating the waste or deciding to discard or dispose of the material.

**DO NOT ALLOW MATERIAL TO ENTER SEWERS, A BODY OF WATER, OR CONTACT THE GROUND. REFER TO RCRA 40 CFR 261, AND/OR ANY OTHER APPROPRIATE FEDERAL, STATE OR LOCAL REQUIREMENTS FOR PROPER CLASSIFICATION INFORMATION.**

Container Disposal: Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, or expose such containers to heat, flame, sparks, electricity or other sources of ignition. All containers should be disposed of in an environmentally safe manner and in accordance with government regulations.

**CALL CHEMTREC (800) 424-9300 FOR CHEMICAL EMERGENCIES  
OR SPILLS DURING TRANSPORTATION.**

### **Section 6: Storage and Handling**

- Storage:** When stored between 60° and 85°F (15° and 30°C) in sealed containers, typical shelf life is 6 months or more from the date of manufacture. Consult technical data sheet for shelf life requirements affecting performance quality. Opened containers must be handled properly to prevent moisture contamination.
- Handling:** Avoid skin and eye contact. Use personal protective equipment when transferring material to or from drums to other containers. Safety glasses and gloves are the minimum protection. Additional precautions must be used when splash hazards are present. Use NIOSH approved respirator, if adequate ventilation cannot be provided. Consult the Mountain Grout Polyisocyanates Handling and Safety Information Sheet when this “B” blend is used in conjunction with the “A” blends. If contamination with isocyanates is suspected, do not reseal containers. Contact with skin or eyes can cause severe irritation. Immediately wash affected areas with plenty of water. Do not smoke or use naked lights, open flames, or other ignition sources near pouring, frothing or spraying operations.
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### **Section 7: Exposure Control**

- Ventilation:** Local exhaust ventilation is recommended when working with this product. Uses requiring heating and/or spraying may require more aggressive engineering controls or personal protective equipment. Monitoring is required to determine engineering controls.
- Respiratory Protection:** The specific respirator selected must be based on contamination levels of this blend found in the workplace and must not exceed the working limits of the respirator and be jointly approved by NIOSH and MSHA. Air purifying respirators equipped with full faced organic vapor cartridges can be used only if isocyanate vapors are not present from the “A” component. A positive pressure self contained breathing apparatus can be used in emergencies or other unusual situations.
- Eye Protection:** Fitted chemical goggles or full face shield and safety glasses must be used consistent with splash hazard present. If vapor exposure causes eye discomfort, use a full face-piece respirator or sullied air hood. Contact lenses should not be worn by persons who work with this product.
- Protective Clothing:** Wear clothing and gloves resistant to permeation of product. Materials may include butyl rubber, nitrile rubber, neoprene and Saranex® coated Tyvek®.
- Other Protective Equipment:** An eye wash station and safety shower or other drenching facilities are recommended in the work area.
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### **Section 8: Properties**

Physical Form	Clear Yellow Liquid
Odor	Mild Odor
PH	10.5
Boiling Point	NA
Vapor Pressure (mm at 20°C)	NA
Solubility in Water	Slight
Specific Gravity @ 25°C	1.08
Viscosity @ 25°C	300
% Volatile, by weight	NA

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**Section 9: Stability and Reactivity**

Stability: This is a stable material. Avoid high temperatures, sparks, flame and extended exposure over 110°F.

Hazardous Polymerization: Will not occur.

Reactivity: Incomplete with oxidizing materials, isocyanates and acids.

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**Section 10: Regulatory Information**

CERCLA and SARA Regulations (40 CFR 355, 370, and 372):

Section 313 Supplier Notification: The product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1996 and of 40 CFR 372: NONE

Section 311/312: NA

DOT CLASSIFICATIONS:

Domestic Surface: Unregulated

Air/Sea/Export: Unregulated (consult current regulations)

OTHER:

HMIS: Health 2

Flammability 1

Reactivity 1

NFPA: Health 1

Flammability 1

Reactivity 1

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, expressed or implied, and we assume no responsibility for any loss, damage, or expense, direct or indirect or consequential arising out of their use.

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