



The Dow Chemical Company  
2050 North Broadway  
Joliet, Illinois 60435

Telephone / Fax  
For Emergency: Chemtrec  
Call Collect

(815) 774-6500 / 774-6546  
(800) 424-9300 ( USA )  
(703) 527-3887 (Non-USA)

**MATERIAL SAFETY DATA SHEET**

1	<b>PRODUCT</b>	<b>FROTH-PAK 180 (B Component)</b> B2, NCFC, 1.75 Density																						
2	<b>COMPOSITION</b>	<table border="0"> <thead> <tr> <th><u>CHEMICAL</u></th> <th><u>CAS#</u></th> <th><u>CONCENTRATION</u></th> <th><u>REGULATED<sup>1</sup></u></th> </tr> </thead> <tbody> <tr> <td>Polyether Polyol Blend</td> <td>Mixture<sup>2</sup></td> <td>40-70%</td> <td>No</td> </tr> <tr> <td>Flame Retardant</td> <td>Mixture<sup>2</sup></td> <td>10-30%</td> <td>No</td> </tr> <tr> <td>Tetrafluoroethane</td> <td>811-97-2</td> <td>10-30%</td> <td>No</td> </tr> <tr> <td>Catalyst</td> <td>Mixture</td> <td>1-5%</td> <td>No</td> </tr> </tbody> </table> <p>(1-see regulatory section for more information) (2-different raw material sources) Appearance: Brown to light yellow, frothy liquid with a mild odor.</p>			<u>CHEMICAL</u>	<u>CAS#</u>	<u>CONCENTRATION</u>	<u>REGULATED<sup>1</sup></u>	Polyether Polyol Blend	Mixture <sup>2</sup>	40-70%	No	Flame Retardant	Mixture <sup>2</sup>	10-30%	No	Tetrafluoroethane	811-97-2	10-30%	No	Catalyst	Mixture	1-5%	No
<u>CHEMICAL</u>	<u>CAS#</u>	<u>CONCENTRATION</u>	<u>REGULATED<sup>1</sup></u>																					
Polyether Polyol Blend	Mixture <sup>2</sup>	40-70%	No																					
Flame Retardant	Mixture <sup>2</sup>	10-30%	No																					
Tetrafluoroethane	811-97-2	10-30%	No																					
Catalyst	Mixture	1-5%	No																					
3	<b>HAZARDS IDENTIFICATION</b>	<p>CAUTION! Contents under pressure.</p> <p>Irritancy of Product: Irritating to eye, skin and mucous membranes.</p> <p>Routes of Entry: Eye and skin contact, inhalation, ingestion.</p>	<p>HMIS: H F R PPE 1 1 0</p>																					
4	<b>FIRST AID MEASURES</b>	<p><b>EYE</b> flush with clean, low pressure water for 15 minutes while holding eyelids open.</p> <p><b>SKIN</b> remove contaminated clothing; wash skin with soap and water.</p> <p><b>INHALATION</b> remove to fresh air.</p> <p><b>INGESTION</b> in case of excessive ingestion, give large amount of liquids. Do not induce vomiting. In all cases, seek additional medical attention.</p>																						
5	<b>FIRE-FIGHTING MEASURES</b>	<p>Flash Point: &gt;200°F (&gt;93.3°C) (estimated)</p> <p>Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam, Water</p> <p>Special Protective Equipment: Self Contained Breathing Apparatus</p> <p>Hazardous Decomposition Products: During combustion, Carbon Dioxide and Carbon Monoxide, Nitrogen Oxides, Ammonia and trace amounts of Hydrogen Cyanide are given off.</p>																						
6	<b>ACCIDENTAL RELEASE MEASURES</b>	<p>Provide adequate ventilation. Wear suitable personal protective clothing and equipment. Contain spill and collect using a suitable absorbent material such as sawdust or vermiculite.</p>																						
7	<b>HANDLING AND STORAGE</b>	<p>CAUTION! Contents under pressure. Avoid open flames. Do not puncture or incinerate. Storage temperature: 75°F (26°C)</p>																						
8	<b>EXPOSURE CONTROLS/PERSONAL PROTECTION</b>	<table border="0"> <tr> <td>EYE</td> <td>wear safety goggles.</td> </tr> <tr> <td>SKIN</td> <td>wear protective clothing.</td> </tr> <tr> <td>RESPIRATORY</td> <td>use only in well-ventilated areas. With insufficient ventilation, wear suitable respiratory protection.</td> </tr> </table>			EYE	wear safety goggles.	SKIN	wear protective clothing.	RESPIRATORY	use only in well-ventilated areas. With insufficient ventilation, wear suitable respiratory protection.														
EYE	wear safety goggles.																							
SKIN	wear protective clothing.																							
RESPIRATORY	use only in well-ventilated areas. With insufficient ventilation, wear suitable respiratory protection.																							
<p>Prepared by: A. Jarocho File Name: CON-102B</p>		<p>Reference No: CON-102B (11/99) Date of Issue: 12/00</p>																						



The Dow Chemical Company  
2050 North Broadway  
Joliet, Illinois 60435

Telephone / Fax  
For Emergency: Chemtrec  
Call Collect

(815) 774-6500 / 774-6546  
(800) 424-9300 ( USA )  
(703) 527-3887 (Non-USA)

### MATERIAL SAFETY DATA SHEET

9	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>	Vapor Pres. (21°C/70°F): 2500mmHg Specific Gravity: 1.2 VOC Content (lb/gal): 0
10	<b>STABILITY AND REACTIVITY</b>	Stable under normal handling and use.
11	<b>TOXICOLOGICAL INFORMATION</b>	No toxicological testing has been done on this mixture.
12	<b>ECOLOGICAL INFORMATION</b>	Unknown
13	<b>DISPOSAL INFORMATION</b>	Do not puncture or incinerate. Relieve all pressure prior to disposal. Empty cylinders, once relieved of all pressure, can be disposed as non-hazardous waste. Dispose of leftover chemical by following instructions under "Accidental Release Measures".
14	<b>TRANSPORTATION INFORMATION</b>	Compressed Gases, N.O.S. (Nitrogen, Tetrafluoroethane), 2.2 UN1956
15	<b>REGULATORY INFORMATION</b>	
	<u>EXPOSURE LIMITS</u>	<u>TWA (8 hour), mg/m<sup>3</sup></u> <u>SHORT TERM(10 mins), mg/m<sup>3</sup></u>
	N/A	
	<u>REGULATED CHEMICAL</u>	<u>APPLICABLE REGULATIONS</u>
	N/A	
16	<b>OTHER INFORMATION</b>	N/A
	Prepared by: A. Jarocho File Name: CON-102B	Reference No: CON-102B (11/99) Date of Issue: 12/00