

MATERIAL SAFETY DATA SHEET

1	PRODUCT FROTH-PAK Refill Tanks (A Component) MSHA, 25FS, 1.75 Density																
2	COMPOSITION <table border="1" data-bbox="203 420 1299 567"> <thead> <tr> <th>CHEMICAL</th> <th>CAS#</th> <th>CONCENTRATION</th> <th>REGULATED</th> </tr> </thead> <tbody> <tr> <td>4,4-Diphenylmethane-diisocyanate (MDI)</td> <td>101-68-8</td> <td>40-70%</td> <td>Yes</td> </tr> <tr> <td>Polymeric MDI</td> <td>9016-87-9</td> <td>40-70%</td> <td>Yes</td> </tr> <tr> <td>Chlorodifluoromethane</td> <td>75-45-6</td> <td>7-13%</td> <td>Yes</td> </tr> </tbody> </table> <p>(1-see regulatory section for more information) (2-different raw material sources) Appearance: Dark brown, frothy liquid with a mild odor.</p>	CHEMICAL	CAS#	CONCENTRATION	REGULATED	4,4-Diphenylmethane-diisocyanate (MDI)	101-68-8	40-70%	Yes	Polymeric MDI	9016-87-9	40-70%	Yes	Chlorodifluoromethane	75-45-6	7-13%	Yes
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3	HAZARDS IDENTIFICATION <table border="1" data-bbox="203 882 519 945"> <tr> <td>HMIS: H F R PPE 2 1 0</td> </tr> </table> <p>CAUTION! Contents under pressure. Irritancy of Product: Irritating to eyes, skin, and respiratory tract. May cause Sensitizing Properties: sensitization by skin contact and inhalation. Exposure to individuals with asthma, eczema and or allergies may aggravate existing conditions. Symptoms may include: coughing, wheezing and shortness of breath. Routes of Entry: Eye and skin contact, inhalation, ingestion.</p>	HMIS: H F R PPE 2 1 0															
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4	FIRST AID MEASURES <p>EYE flush with clean, low pressure water for 15 minutes while holding eyelids open.</p> <p>SKIN remove contaminated clothing; wash skin with soap and water.</p> <p>INHALATION remove to fresh air.</p> <p>INGESTION in case of excessive ingestion, give large amount of liquids. Do not induce vomiting.</p>																
5	FIRE-FIGHTING MEASURES <p>Flash Point: >390°F (>199°C) (estimated) Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam, Water Special Protective Equipment: Self Contained Breathing Apparatus Hazardous Decomposition Products: During combustion, Carbon Monoxide and Carbon Dioxide, Nitrogen Oxides, Ammonia and trace amounts of Hydrogen Cyanide are given off.</p>																
6	ACCIDENTAL RELEASE MEASURES <p>Provide adequate ventilation. Wear suitable personal protective clothing and equipment. Contain spill and collect using suitable absorbent material such as sawdust or vermiculite. Shovel into waste container adding decontaminate solution. (90% water, 7% ammonia and 3% detergent) Leave uncovered for 24 hours prior to disposal.</p>																
7	HANDLING AND STORAGE <p>CAUTION! Contents under pressure. Avoid open flames. Storage temperature: <120°F (<49°C) Do not puncture or incinerate.</p>																
Prepared by: M. Herosy File Name: CON-118A	Reference No. Refill Tanks (A Component) Date of Issue: 12/97 (pg. 1 of 2)																

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5	<p>FIRE-FIGHTING MEASURES</p> <p>Flash Point: >200°F (>93.3°C) (estimated) Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam, Water Special Protective Equipment: Self Contained Breathing Apparatus Hazardous Decomposition Products: During combustion, Carbon Dioxide and Carbon Monoxide, Nitrogen Oxides, Ammonia and trace amounts of Hydrogen Cyanide are given off.</p>																				
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7	<p>HANDLING AND STORAGE</p> <p>CAUTION! Contents under pressure. Avoid open flames. Do not puncture or incinerate. Storage temperature: 75°F (26°C)</p>																				
8	<p>EXPOSURE CONTROLS/PERSONAL PROTECTION</p> <p>EYE wear safety goggles. SKIN wear protective clothing. RESPIRATORY use only in well-ventilated areas. With insufficient ventilation, wear suitable respiratory protection.</p>																				
<p>Prepared by: M. Herosy File Name: CON-118B</p>	<p>Reference No. Refills Tanks (B Component) Date of Issue: 5/97 (pg. 1 of 2)</p>																				

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9	PHYSICAL AND CHEMICAL PROPERTIES		Vapor Pres. (21°C/70°F): 2500mmHg
			Specific Gravity: 1.2
			VOC Content (lb/gal): 0
10	STABILITY AND REACTIVITY		Stable under normal handling and use.
11	TOXICOLOGICAL INFORMATION		No toxicological test has been done on this mixture.
12	ECOLOGICAL INFORMATION		Unknown
13	DISPOSAL INFORMATION		Do not puncture or incinerate. Relieve ressure below 40 psi before returning the empty tanks to Insta-Foam Products, Inc.
14	TRANSPORTATION INFORMATION		Compressed Gases, N.O.S. (Nitrogen, Tetrafluoroethane), 2.2 UN1956
15	REGULATORY INFORMATION		
<u>EXPOSURE LIMITS</u>			<u>TWA (8 hour), mg/m₃</u>
N/A			<u>SHORT TERM(10 mins), mg/m₃</u>
<u>REGULATED CHEMICAL</u>			<u>APPLICABLE REGULATIONS</u>
Dichlorofluoroethane			SARA 311/312/313
16	OTHER INFORMATION		N/A
Prepared by: M. Herosy			Reference No. Refill Tanks (B Component)
File Name: CON-118B			Date of Issue: 5/97
			(pg. 2 of 2)

MATERIAL SAFETY DATA SHEET

8	EXPOSURE CONTROLS/PERSONAL PROTECTION											
EYE wear safety goggles. SKIN wear protective clothing. RESPIRATORY use only in well-ventilated areas. With insufficient ventilation, or in situations where the potential exists for exceeding the TLV, wear Self Contained Breathing Apparatus.												
9	PHYSICAL AND CHEMICAL PROPERTIES											
Vapor Pres. (21°C/70°F): 2700mmHg Specific Gravity: 1.3 VOC Content (lb/gal): 0												
10	STABILITY AND REACTIVITY											
Reacts with water. Avoid alkalies, acids, alcohol and ammonia. Reaction may be violent at elevated temperatures.												
11	TOXICOLOGICAL INFORMATION											
Concentrations of components (Sec. 2) must be considered to determine effects of this mixture. MDI: LD ₅₀ 15gm/kg (rat); ingestion CAUTION! Contents under pressure. Irritancy of Product: Irritating to eyes, skin and respiratory tract. Sensitizing Properties: May cause sensitization by skin contact and inhalation. (Acute and Chronic) Exposure to individuals with asthma, eczema and or allergies may aggravate existing conditions. Symptoms may include: coughing, wheezing and shortness of breath. Routes of Entry: Eye and skin contact, inhalation, ingestion.												
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