

MATERIAL SAFETY DATA SHEET

1	PRODUCT FROTH-PAK Refill Tanks (A Component) 1.75 Density																
2	COMPOSITION <table border="1" data-bbox="203 420 1299 651"> <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 (HCFC 22)</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 (HCFC 22)	75-45-6	7-13%	Yes
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3	HAZARDS IDENTIFICATION <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-left: 20px;"> HMIS: H F R PPE 2 1 0 </div> <p style="margin-left: 200px;">CAUTION! Contents under pressure.</p> <p style="margin-left: 200px;">Irritancy of Product: Irritating to eyes, skin and respiratory tract.</p> <p style="margin-left: 200px;">Sensitizing Properties: May cause 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.</p> <p style="margin-left: 200px;">Routes of Entry: Eye and skin contact, inhalation, ingestion.</p>																
4	FIRST AID MEASURES <p style="margin-left: 200px;">EYE flush with clean, low pressure water for 15 minutes while holding eyelids open.</p> <p style="margin-left: 200px;">SKIN remove contaminated clothing; wash skin with soap and water.</p> <p style="margin-left: 200px;">INHALATION remove to fresh air.</p> <p style="margin-left: 200px;">INGESTION in case of excessive ingestion, give large amount of liquids. Do not induce vomiting.</p>																
5	FIRE-FIGHTING MEASURES <p style="margin-left: 200px;">Flash Point: >390°F (>199°C) (estimated)</p> <p style="margin-left: 200px;">Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam, Water</p> <p style="margin-left: 200px;">Special Protective Equipment: Self Contained Breathing Apparatus</p> <p style="margin-left: 200px;">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 style="margin-left: 200px;">Provide adequate ventilation.</p> <p style="margin-left: 200px;">Wear suitable personal protective clothing and equipment.</p> <p style="margin-left: 200px;">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 style="margin-left: 200px;">CAUTION! Contents under pressure.</p> <p style="margin-left: 200px;">Avoid open flames.</p> <p style="margin-left: 200px;">Storage temperature: <120°F (<49°C)</p> <p style="margin-left: 200px;">Do not puncture or incinerate.</p>																
Prepared by: M. Herosy File Name: CON-128A	Reference No. FP Refill Tanks (A Comp) Date of Issue: 12/97 (pg. 1 of 2)																

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5	FIRE-FIGHTING MEASURES 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 Monoxide and Carbon Dioxide, Nitrogen Oxides, Ammonia and trace amounts of Hydrogen Cyanide are given off.																								
6	ACCIDENTAL RELEASE MEASURES Provide adequate ventilation. Wear suitable personal protective clothing and equipment. Contain spill and collect using a suitable absorbent material such as sawdust or vermiculite.																								
7	HANDLING AND STORAGE Keep away from sparks, flames and sources of heat. Protect containers from physical abuse. Avoid direct sunlight. Storage temperature: 75°F (26°C)																								
8	EXPOSURE CONTROLS/PERSONAL PROTECTION EYE wear safety goggles. SKIN wear protective clothing. RESPIRATORY use only in well-ventilated areas. With insufficient ventilation, wear suitable respiratory protection.																								
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9	PHYSICAL AND CHEMICAL PROPERTIES		Vapor Pres. (21°C/70°F): 2500 mmHg Specific Gravity: 1.2 VOC Content (lb/gal): 0						
10	STABILITY AND REACTIVITY		Stable under normal handling and use.						
11	TOXICOLOGICAL INFORMATION		No toxicological testing has been done on this mixture.						
12	ECOLOGICAL INFORMATION		Unknown						
13	DISPOSAL INFORMATION		Do not puncture or incinerate. Relieve pressure below 40 psi before returning the empty tanks to Insta-Foam Products, Inc.						
14	TRANSPORTATION INFORMATION		Compressed gases, N.O.S. (Nitrogen, Chlorodifluoromethane), 2.2 UN 1956						
15	REGULATORY INFORMATION		<table border="0"> <tr> <td data-bbox="207 1119 383 1150"><u>EXPOSURE LIMITS</u></td> <td data-bbox="513 1119 740 1150"><u>TWA (8 hour), mg/m₃</u></td> <td data-bbox="821 1119 1133 1150"><u>SHORT TERM(10 mins), mg/m₃</u></td> </tr> <tr> <td data-bbox="207 1150 435 1182">Chlorodifluoromethane</td> <td data-bbox="513 1150 699 1182">3500 (1000 ppm)</td> <td data-bbox="821 1150 862 1182">N/A</td> </tr> </table>	<u>EXPOSURE LIMITS</u>	<u>TWA (8 hour), mg/m₃</u>	<u>SHORT TERM(10 mins), mg/m₃</u>	Chlorodifluoromethane	3500 (1000 ppm)	N/A
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<u>REGULATED CHEMICAL</u>	<u>APPLICABLE REGULATIONS</u>								
Chlorodifluoromethane	SARA 311/312/313, Canada, MA, NJ, PA								
16	OTHER INFORMATION		NA						
Prepared by: M. Herosy File Name: CON-128B	Reference No. Refill Tanks (B Comp) Date of Issue: 5/97		(pg. 2 of 2)						

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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, or in situations where the potential exists for exceeding the TLV, wear Self Contained Breathing Apparatus.</p>												
9	<p>PHYSICAL AND CHEMICAL PROPERTIES</p> <p>Vapor Pres. (21°C/70°F): 2700 mmHg Specific Gravity: 1.3 VOC Content (lb/gal): 0</p>												
10	<p>STABILITY AND REACTIVITY</p> <p>Reacts with water. Avoid alkalies, acids, alcohol and ammonia. Reaction may be violent at elevated temperatures.</p>												
11	<p>TOXICOLOGICAL INFORMATION</p> <p>Concentrations of components (Sec. 2) must be considered to determine effects of this mixture. MDI: LD₅₀ 15gm/kg (rat); ingestion CAUTION! Contents under pressure.</p> <p>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.</p>												
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