

MATERIAL SAFETY DATA SHEET

1	PRODUCT Insta-Seal Gun Foam Insta-Pro Foam System																				
2	COMPOSITION <table border="1" data-bbox="203 430 1331 609"> <thead> <tr> <th><u>CHEMICAL</u></th> <th><u>CAS#</u></th> <th><u>CONCENTRATION</u></th> <th><u>REGULATED</u></th> </tr> </thead> <tbody> <tr> <td>4,4-Diphenylmethane-diisocyanate (MDI)</td> <td>101-68-8</td> <td>10-30%</td> <td>Yes</td> </tr> <tr> <td>Polymeric MDI</td> <td>9016-87-9</td> <td>10-30%</td> <td>Yes</td> </tr> <tr> <td>Polyether Poly Blend</td> <td>Mixture_</td> <td>30-60%</td> <td>No</td> </tr> <tr> <td>Chlorodifluoromethane</td> <td>75-45-6</td> <td>15-40%</td> <td>Yes</td> </tr> </tbody> </table> <p>(1-see regulatory section for more information) (2-different raw material sources) Appearance: Off white, sticky material with a mild odor.</p>	<u>CHEMICAL</u>	<u>CAS#</u>	<u>CONCENTRATION</u>	<u>REGULATED</u>	4,4-Diphenylmethane-diisocyanate (MDI)	101-68-8	10-30%	Yes	Polymeric MDI	9016-87-9	10-30%	Yes	Polyether Poly Blend	Mixture_	30-60%	No	Chlorodifluoromethane	75-45-6	15-40%	Yes
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3	HAZARDS IDENTIFICATION <div data-bbox="203 898 522 961" style="border: 1px solid black; padding: 5px; width: fit-content;"> HMIS: H F R PPE 2 1 0 </div> <p style="text-align: right;">CAUTION! Contents under pressure.</p> <p>Irritancy of Product: Irritating to eyes, skin and respiratory tract.</p> <p>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>Routes of Entry: Eye and skin contact, inhalation, ingestion.</p>																				
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. In all cases, seek additional medical attention.</p>																				
5	FIRE-FIGHTING MEASURES <p style="text-align: center;">Flash Point: >200°F (>93.3°C) (estimated)</p> <p style="text-align: center;">Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam, Water</p> <p style="text-align: center;">Special Protective Equipment: Self Contained Breathing Apparatus</p> <p style="text-align: center;">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. Scrape up the bulk of the spill and put into a suitable waste receptacle. Avoid spreading the spill to other surfaces.</p>																				
7	HANDLING AND STORAGE <p>Protect containers from physical abuse. Avoid direct sunlight Storage temperature: 32°F-120°F (0°-49°C) DO NOT incinerate aerosol can.</p>																				
	Prepared by: M. Herosy File Name: CON-107 Reference No. Gun Foam, Insta-Pro Foam Date of Issue: 2/98 <div style="text-align: right;">(pg. 1 of 2)</div>																				

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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, wear Self Contained Breathing Apparatus.</p>																	
9	<p>PHYSICAL AND CHEMICAL PROPERTIES</p> <p>Vapor Pres. (21°C/70°F): 4000mmHg Specific Gravity: 1.3 VOC Content (lb/gal): 0</p>																	
10	<p>STABILITY AND REACTIVITY</p> <p>Stable under normal handling and use. Avoid water contamination, open flames, alcohols, strong bases acids 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</p> <p>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.</p> <p>Routes of Entry: Eye and skin contact, inhalation, ingestion.</p>																	
12	<p>ECOLOGICAL INFORMATION</p> <p>Unknown</p>																	
13	<p>DISPOSAL INFORMATION</p> <p>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"</p>																	
14	<p>TRANSPORTATION INFORMATION</p> <p>Consumer Commodity ORM-D for 12 oz or 24 oz</p>																	
15	<p>REGULATORY INFORMATION</p> <table border="0"> <tr> <td><u>EXPOSURE LIMITS</u></td> <td><u>TWA (8 hour), mg/m₃</u></td> <td><u>SHORT TERM(10 mins), mg/m₃</u></td> </tr> <tr> <td>4,4-Diphenylmethane-diisocyanate (MDI)</td> <td>0.05 (0.005ppm)</td> <td>0.2 (0.02ppm) ceiling</td> </tr> <tr> <td>Chlorodifluoromethane</td> <td>3500 (1000ppm)</td> <td>N/A</td> </tr> </table> <hr/> <table border="0"> <tr> <td><u>REGULATED CHEMICAL</u></td> <td><u>APPLICABLE REGULATIONS</u></td> </tr> <tr> <td>4,4-Diphenylmethane-diisocyanate (MDI)</td> <td>SARA 311/312/313, CAA 1990 Toxic air Pollutant</td> </tr> <tr> <td>Chlorodifluoromethane</td> <td>SARA 311/312/313, Canada, MA, NJ, PA</td> </tr> <tr> <td>PMDI</td> <td>SARA 313</td> </tr> </table>	<u>EXPOSURE LIMITS</u>	<u>TWA (8 hour), mg/m₃</u>	<u>SHORT TERM(10 mins), mg/m₃</u>	4,4-Diphenylmethane-diisocyanate (MDI)	0.05 (0.005ppm)	0.2 (0.02ppm) ceiling	Chlorodifluoromethane	3500 (1000ppm)	N/A	<u>REGULATED CHEMICAL</u>	<u>APPLICABLE REGULATIONS</u>	4,4-Diphenylmethane-diisocyanate (MDI)	SARA 311/312/313, CAA 1990 Toxic air Pollutant	Chlorodifluoromethane	SARA 311/312/313, Canada, MA, NJ, PA	PMDI	SARA 313
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16	<p>OTHER INFORMATION</p> <p>This product is a polyurethane blend in the form of a solution in liquid containing by weight 50% or more polymer.</p>																	
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