

MATERIAL SAFETY DATA SHEET

1	PRODUCT	INSTA-SEAL 3X Eco-Blend, flammable																						
2	COMPOSITION	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>CHEMICAL</u></th> <th style="text-align: left;"><u>CAS#</u></th> <th style="text-align: left;"><u>CONCENTRATION</u></th> <th style="text-align: left;"><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>15-40%</td> <td>No</td> </tr> <tr> <td>Liquified Petroleum Gas</td> <td>Mixture_</td> <td>10-30%</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_	15-40%	No	Liquified Petroleum Gas	Mixture_	10-30%	Yes
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3	HAZARDS IDENTIFICATION	<p>CAUTION! EXTREMELY FLAMMABLE.                  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.                  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> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px 0;">                     HMIS: H F R PPE                      2 4 1 B                 </div>																						
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>Flash Point: -156°F (-104°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.                  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-90°F (0°-32°C)                  DO NOT incinerate aerosol can.</p>																						
Prepared by: M. Herosy File Name: CON-130		Reference No. INSTA-SEAL 3X Date of Issue: 2/98		(pg. 1 of 2)																				

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8	EXPOSURE CONTROLS/PERSONAL PROTECTION	<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	PHYSICAL AND CHEMICAL PROPERTIES	<p>Vapor Pres. (21°C/70°F): 4210 mm HG          Specific Gravity: 1.1          VOC Content (g/L): 158.1 grams/Litre</p>									
10	STABILITY AND REACTIVITY	<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	TOXICOLOGICAL INFORMATION	<p>Concentrations of components (Sec. 2) must be considered to determine effects of this mixture.          MDI: LD<sub>50</sub> 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	ECOLOGICAL INFORMATION	Unknown									
13	DISPOSAL INFORMATION	<p>Do not puncture or incinerate.          Relieve all pressure prior to disposal.          Dispose of according to federal and state regulations.</p>									
14	TRANSPORTATION INFORMATION Consumer Commodity ORM-D										
15	REGULATORY INFORMATION	<table border="0"> <thead> <tr> <th data-bbox="207 1440 451 1461"><u>EXPOSURE LIMITS</u></th> <th data-bbox="516 1440 740 1461"><u>TWA (8 hour), mg/m<sub>3</sub></u></th> <th data-bbox="821 1440 1133 1461"><u>SHORT TERM(10 mins), mg/m<sub>3</sub></u></th> </tr> </thead> <tbody> <tr> <td data-bbox="207 1467 451 1520">4,4-Diphenylmethane-diisocyanate (MDI)</td> <td data-bbox="516 1467 740 1488">0.05 (0.005ppm)</td> <td data-bbox="821 1467 1133 1488">0.2 (0.02ppm) ceiling</td> </tr> <tr> <td data-bbox="207 1526 289 1547">Propane</td> <td data-bbox="516 1526 740 1547">1800(1000ppm)</td> <td></td> </tr> </tbody> </table>	<u>EXPOSURE LIMITS</u>	<u>TWA (8 hour), mg/m<sub>3</sub></u>	<u>SHORT TERM(10 mins), mg/m<sub>3</sub></u>	4,4-Diphenylmethane-diisocyanate (MDI)	0.05 (0.005ppm)	0.2 (0.02ppm) ceiling	Propane	1800(1000ppm)	
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	<u>REGULATED CHEMICAL</u> 4,4-Diphenylmethane-diisocyanate (MDI) Propane Isobutane PMDI	<u>APPLICABLE REGULATIONS</u> SARA 311/312/313, CAA 1990 Toxic Air Pollutant MA, NJ, PA MA, NJ, PA SARA 313									
16	OTHER INFORMATION	<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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