

MATERIAL SAFETY DATA SHEET

| 1 | PRODUCT Insta-Seal Gun Foam Insta-Pro Foam System | | | | | | | | | | | | | | | | | | | | |
|--|--|----------------------|------------------|----------------------|------------------|--|----------|--------|-----|---------------|-----------|--------|-----|----------------------|----------|--------|----|-----------------------|---------|--------|-----|
| 2 | COMPOSITION <table border="1" data-bbox="207 430 1328 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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| Polyether Poly Blend | Mixture_ | 30-60% | No | | | | | | | | | | | | | | | | | | |
| Chlorodifluoromethane | 75-45-6 | 15-40% | Yes | | | | | | | | | | | | | | | | | | |
| 3 | HAZARDS IDENTIFICATION <div data-bbox="207 903 522 961" 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.</p> <p>Wear suitable personal protective clothing and equipment.</p> <p>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.</p> <p>Avoid direct sunlight</p> <p>Storage temperature: 32°F-120°F (0°-49°C)</p> <p>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 | EXPOSURE CONTROLS/PERSONAL PROTECTION | <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 | PHYSICAL AND CHEMICAL PROPERTIES | <p>Vapor Pres. (21°C/70°F): 4000mmHg Specific Gravity: 1.3 VOC Content (lb/gal): 0</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: 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 | ECOLOGICAL INFORMATION | <p>Unknown</p> | | | | | | | | | | | | | | | | |
| 13 | DISPOSAL INFORMATION | <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 | TRANSPORTATION INFORMATION | <p>Consumer Commodity ORM-D for 12 oz or 24 oz</p> | | | | | | | | | | | | | | | | |
| 15 | REGULATORY INFORMATION | <table border="0"> <tr> <td data-bbox="207 1528 462 1554"><u>EXPOSURE LIMITS</u></td> <td data-bbox="527 1528 755 1554"><u>TWA (8 hour), mg/m₃</u></td> <td data-bbox="844 1528 1161 1554"><u>SHORT TERM(10 mins), mg/m₃</u></td> </tr> <tr> <td data-bbox="207 1558 462 1612">4,4-Diphenylmethane-diisocyanate (MDI)</td> <td data-bbox="527 1558 755 1583">0.05 (0.005ppm)</td> <td data-bbox="844 1558 1161 1583">0.2 (0.02ppm) ceiling</td> </tr> <tr> <td data-bbox="207 1617 462 1642">Chlorodifluoromethane</td> <td data-bbox="527 1617 755 1642">3500 (1000ppm)</td> <td data-bbox="844 1617 1161 1642">N/A</td> </tr> </table> <hr/> <table border="0"> <tr> <td data-bbox="207 1705 462 1730"><u>REGULATED CHEMICAL</u></td> <td data-bbox="527 1705 803 1730"><u>APPLICABLE REGULATIONS</u></td> </tr> <tr> <td data-bbox="207 1734 462 1789">4,4-Diphenylmethane-diisocyanate (MDI)</td> <td data-bbox="527 1734 1055 1759">SARA 311/312/313, CAA 1990 Toxic air Pollutant</td> </tr> <tr> <td data-bbox="207 1793 462 1848">Chlorodifluoromethane PMDI</td> <td data-bbox="527 1793 958 1848">SARA 311/312/313, Canada, MA, NJ, PA 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 PMDI | SARA 311/312/313, Canada, MA, NJ, PA SARA 313 |
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| Chlorodifluoromethane PMDI | SARA 311/312/313, Canada, 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> | | | | | | | | | | | | | | | | |
| <p>Prepared by: M. Herosy File Name: CON-107</p> | | <p>Reference No. Gun Foam, Insta-Pro Foam Date of Issue: 2/98</p> | | | | | | | | | | | | | | | | |