

MATERIAL SAFETY DATA SHEET

1	PRODUCT Great Stuff																				
2	COMPOSITION <table><thead><tr><th><u>CHEMICAL</u></th><th><u>CAS#</u></th><th><u>CONCENTRATION</u></th><th><u>REGULATED¹</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>Mixture²</td><td>15-40%</td><td>No</td></tr><tr><td>Liquified Petroleum Gas</td><td>Mixture²</td><td>10-30%</td><td>Yes</td></tr></tbody></table> <p>(1-see regulatory section for more information) (2-different raw material sources)</p> <p>Appearance: Off white, sticky material with a mild odor.</p>	<u>CHEMICAL</u>	<u>CAS#</u>	<u>CONCENTRATION</u>	<u>REGULATED¹</u>	4,4-Diphenylmethane-diisocyanate (MDI)	101-68-8	10-30%	Yes	Polymeric MDI	9016-87-9	10-30%	Yes	Polyether Poly Blend	Mixture ²	15-40%	No	Liquified Petroleum Gas	Mixture ²	10-30%	Yes
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3	HAZARDS IDENTIFICATION <table><tr><td style="border: 1px solid black; padding: 5px;">HMIS: H F R PPE 2 4 1 B</td><td>CAUTION! EXTREMELY FLAMMABLE. Contents under pressure. 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.</td></tr></table>	HMIS: H F R PPE 2 4 1 B	CAUTION! EXTREMELY FLAMMABLE. Contents under pressure. 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.																		
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4	FIRST AID MEASURES EYE flush with clean, low pressure water for 15 minutes w holding eyelids open. SKIN remove contaminated clothing; wash skin with soap and water. INHALATION remove to fresh air. INGESTION in case of excessive ingestion, give large amount of liquids. Do not induce vomiting. In all cases, seek additional medical attention.																				
5	FIRE-FIGHTING MEASURES 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.																				
6	ACCIDENTAL RELEASE MEASURES 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.																				
7	HANDLING AND STORAGE Protect containers from physical abuse. Avoid direct sunlight Storage temperature: 32°F-90°F (0°-32°C) DO NOT incinerate aerosol can.																				
Prepared by: M. Herosy File Name: CSM-002																					
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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): 4210 mmHG Specific Gravity: 1.1 VOC Content (g/L): 161.4 grams/Litre										
10	STABILITY AND REACTIVITY Stable under normal handling and use. Avoid water contamination, open flames, alcohols, strong bases acids 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.										
12	ECOLOGICAL INFORMATION Unknown										
13	DISPOSAL INFORMATION Do not puncture or incinerate. Relieve all pressure prior to disposal. Dispose of according to federal and state regulations.										
14	TRANSPORTATION INFORMATION Consumer Commodity ORM-D Ocean: Acrosols, Class 2, UN 1950										
15	REGULATORY INFORMATION <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>Propane</td> <td>1800(1000ppm)</td> <td></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	Propane	1800(1000ppm)		
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REGULATED CHEMICAL APPLICABLE REGULATIONS <table border="0"> <tr> <td>4,4-Diphenylmethane-diisocyanate (MDI)</td> <td>SARA 311/312/313, CAA 1990 Toxic Air Pollutant</td> </tr> <tr> <td>Propane</td> <td>MA, NJ, PA</td> </tr> <tr> <td>Isobutane</td> <td>MA, NJ, PA</td> </tr> <tr> <td>Dimethyl Ether</td> <td>MA, NJ, PA</td> </tr> <tr> <td>PMDI</td> <td>SARA 313</td> </tr> </table>		4,4-Diphenylmethane-diisocyanate (MDI)	SARA 311/312/313, CAA 1990 Toxic Air Pollutant	Propane	MA, NJ, PA	Isobutane	MA, NJ, PA	Dimethyl Ether	MA, NJ, PA	PMDI	SARA 313
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16	OTHER INFORMATION This product is a polyurethane blend in the form of a solution in liquid containing by weight 50% or more polymer.										
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