

**MATERIAL SAFETY**  
**DATA SHEET**

Product Name: Work Zone / Gap Stop Professional Gun Foam Sealant 680 gram & 820 gram  
Product Code: GS680GF (02008), GS820GF (02006)

**Section I - Company Information**

Date Prepared: January 1, 2015

Company:	ICB Products 75 Chambers Drive, Unit 9 Ajax, Ontario, L1Z 1E1 Canada	Information Tel. No. (905) 619-0115 Emergency Tel. No. (905) 619-0115
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Generic Description:	Product is a liquid urethane prepolymer mixture that is packaged under pressure (Flammable Compressed Gas).
Material usage:	Sealant and Adhesive.

**Section II - Hazardous Chemical Ingredients/Identity Information**

<u>Chemical Name (common names)</u>	<u>CAS Number</u>	<u>Percentage</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Methylene bisphenyl isocyanate**	101-68-8	7 - 20 %	0.02 ppm	0.005 ppm
Polymethylene polyphenyl isocyanate	9016-87-9	20 - 55 %	*NE	*NE
Polyether Polyol	Mixture	10 - 40 %	*NE	*NE
Chlorinated paraffin	61788-76-9	2 - 22 %	*NE	*NE
Dimethylether	115-10-6	0 - 8 %	*NE	*NE
Propane	74-98-6	2 - 10 %	1000 ppm	1000 ppm
Isobutane	75-28-5	2 - 10 %	*NE	*NE

HMIS Health 3 Flammability 4 Reactivity 1

\*Not established

\*\*None of the components in this product are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

**Section III – Physical/Chemical Characteristics**

Volatile organic compounds (VOC):

- in post-dispensing cured form 0 g/L  
(after curing, there are no measurable VOC emissions from the cured product)
- in pre-dispensed canned form 152 g/L  
(VOC's are released during the dispensing and curing process)

Boiling Point: -43.7°F (-42°C) (Estimated for Propellant).

Vapour Pressure: 165 psig @ 130°F.

Vapour Density: (AIR = 1) Heavier than air.

Specific Gravity: (H2O = 1) 1.01 g/ml @ 25°C.

ICB Products

Work Zone / Gap Stop Professional Gun Foam  
680 & 820 gram sizes

Solubility in Water:	N/A.
Appearance and Odour:	Gel under pressure/faint hydrocarbon odour.

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#### Section IV – Fire And Explosion Hazard Data

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Flash Point:	Estimated: -156°F (-104°C).
Flammable Limits in air % by Volume:	LEL Lower 1.8% (Estimated). UEL Upper 10% (Estimated).
Extinguishing Media:	Water fog, foam, CO2, or dry chemical.
Fire Fighting Procedures:	Fire fighters should wear full self-contained breathing apparatus and full protective clothing.
Unusual Hazards:	Avoid storage temperatures above 120°F to prevent can explosions. Avoid water contamination in closed container.

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#### Section V – Reactivity Data

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Stability:	Stable under normal storage and handling conditions. Do not store above 120°F. Cured foam will deteriorate when exposed to UV light.
Incompatibility:	Water, alcohols, strong bases, finely powdered metal such as aluminum, magnesium or zinc, and strong oxidizers.
Conditions/Hazards To Avoid:	Contamination with water may form CO2. Avoid high heat; i.e., flames, extremely hot metal surfaces, heating elements, combustion engines, etc. Do not store in vehicle or direct sunlight.

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#### Section VI – Health Hazard Data

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The primary adverse health effects of this material are related to the Polymeric Isocyanate (MDI) component, and, to a lesser degree, the Liquefied Petroleum Gas (Hydrocarbon) component. Adequate ventilation should be provided to avoid exceeding the exposure limits of these components. If used indoors, mechanical ventilation or exhaust should be provided during use and until foam is cured and vapour of the liquefied Petroleum Gas (Hydrocarbon) is vented out of the building.

**Inhalation:** MDI vapours may cause irritation of the mucous membranes of the nose, throat or trachea, which may cause chest discomfort, coughing, and allergic asthma-like sensitivity. Air-borne overexposure well above the PEL may result additionally in eye irritation, headache, chemical bronchitis, asthma-like findings or pulmonary edema.

Inhaling concentrated Liquefied Petroleum Gas (Hydrocarbon) can cause lightheadedness, headaches, or lethargy. Person with cardiac arrhythmia may be at increased risk in severe exposure.

**Skin Contact:** May result in localized irritation, reddening or swelling. Prolonged or repeated exposure may lead to sensitization and/or dermatitis.

**Eye Contact:** May result in eye irritation and mild corneal opacity due to adhesive character.

**Ingestion:** May cause irritation of mucous membranes in the mouth and digestive tract.

#### Emergency and First Aid Procedures:

**Inhalation** – Remove to fresh air. Give oxygen. If not breathing, give artificial respiration. Keep victim calm and quiet. Do not give stimulants. Get immediate medical attention.

**Skin** – Immediately clean wet foam from skin using Work Zone Foam Cleaner or acetone – do not use water. If foam dries on skin, apply generous amounts of petroleum jelly or lanolin, put on plastic gloves and wait 1 hour. With a

clean cloth, firmly wipe off petroleum jelly and repeat process. Do not attempt to remove dried foam with solvent. Cured foam wears off and is not harmful to health.

**Eye** – In case of eye contact, flush with water for at least 15 minutes. Get immediate medical attention.

**Ingestion** – In case of ingestion, get immediate medical attention.

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### Section VII – Precautions For Safe Handling And Use

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Spills/Leaks	If can ruptures, protect area from heat, sparks, flames, or static electricity. Turn off sources of ignition. Vapours are heavier than air. Make sure area is adequately ventilated. Allow foaming process to complete, then dispose according to federal, provincial, and local regulation.
Waste Disposal	Dispose of cured foam per federal, provincial, and local regulations.
Container Disposal	Dispose according to federal, provincial, and local regulations.
Storage	Always store upright. Storage temperatures: min 0°F, max 100°F. Do not store containers in direct sunlight.

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### Section VIII - Personal Protection

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Respiratory Protection	Not applicable. Use in well ventilated areas only. See section IV.
Clothing	Wear gloves and safety glasses. Use in well ventilated areas only. See section IV.
Eye Protection	Safety glasses.
Ventilation	Maintain local exhaust rate to keep below TLV.

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### Section IX - Regulatory Information

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**SARA** – This product contains a toxic chemical (or chemicals) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (40CFR 372)

Name	CAS NO.	AMOUNT
Methylene bisphenyl isocyanate	101-68-8	7 – 20%

**CERCLA** – Reportable Quantity – yes ...(40CFR 302.4).....(5000 lb. of Methylene bisphenyl isocyanate)

**RCRA Hazardous Waste** – No

**DOT Proper Shipping Name** – Consumer Commodity

**WHMIS** – The Canadian Workplace Hazardous Material Information System Classification: This product is not a “controlled product” under WHMIS.

**Canadian Environmental Protection Act (CEPA)** – All substances in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to list.

The above information is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use or misuse are beyond our control, ICB Products makes no warranty, either express or implies, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. Users should satisfy themselves that they have all current data relevant to their particular use.

\*NE – Not Established

NA – Not Applicable