Material Safety Data Sheet

SECTION 1 IDENTIFICATION

Product name: Polyurethane foam/ PU foam
Other means of identification: /
Recommended use of the chemical and restrictions on use: Construction materials
Supplier's details: Bissett Fasteners Ltd. 63 Fawcett Rd, Coquitlam BC, V3K 6V2 Canada
Emergency phone number: 1-877-657-1278

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture:
Aerosols Category 1
Acute toxicity, inhalation Category 4
Skin corrosion/irritation Category 3
Serious eye damage/eye irritation Category 2
Sensitisation, skin Category 1
Specific target organ toxicity, single exposure Category 1 (inhalation)
GHS Label elements, including precautionary statements:
Symbol:

Signal word: Danger
Hazard statement(s): Extremely flammable aerosol. Pressurized container: may burst if heated. Harmful if inhaled. May cause mild skin irritation. May cause serious eye irritation. May cause an allergic skin reaction. May cause damage to organs (inhalation).
Precautionary statement(s):
Prevention:

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not breathe dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

Response:

- IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see below for further information). Take off contaminated clothing and wash it before reuse.
- IF INHALED: Remove person from area and take to location with fresh air for comfortable breathing. Call a POISON CENTER/doctor if you feel unwell.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- IF EXPOSED OR CONCERNED: Call a poison center/doctor. Specific treatment (see below for further information).

SECTION 2 HAZARDS IDENTIFICATION

Storage: Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.
Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.
Other hazards which do not result in classification: /

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration%
Polymethylene polyphenyl polyisocyanate	9016-87-9	50%
Polyether	63123-11-5	25%
Propane	74-98-6	7%
Butane	106-97-8	8%
Dimethyl ether	115-10-6	10%

SECTION 4: FIRST AID MEASURES

Description of necessary first aid measures
Inhalation: If conscious and breathing, remove person from area to and take to a location with fresh air. If person is not breathing, begin artificial respiration and contact local emergency services. Consult a physician.
Skin contact: Remove contaminated clothing and wash off with plenty of running water.
Eye contact: Rinse thoroughly with plenty of running water for at least 15 minutes and consult a physician.
Ingestion: Rinse mouth with water. Consult a physician or seek medical attention.
Most important symptoms/effects, acute and delayed: /
Indication of immediate medical attention and special treatment needed, if necessary: /

SECTION 5: FIREFIGHTING MEASURES

- **Appropriate extinguishing agents**: Use foam, dry powder or water spray.
- **Special hazards associated with the chemical:** It may release flammable gas, and the container can rupture when exposed to heat.
- **Special protective actions for firefighters**: Wear a self-contained breathing apparatus for firefighting if necessary. Use water spray to cool unopened containers. In case of fire in the surroundings, use appropriate extinguishing agents.

SECTION 6 ACCIDENTAL RELEASE MEASURES

- **Personal precautions, protective equipment and emergency procedures:** It is recommended that emergency personnel wear protective masks and fire protective overalls. Do not touch the spill directly.
- **Environmental precautions:** Isolate contaminated areas and restrict access.
- **Containment and cleanup procedures:** Ensure adequate ventilation in the affected area.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling: There should be sufficient local exhaust in workplace. Operators should be trained and strictly follow the operating procedures. Operators are advised to wear protective masks, clothing and gloves (PPE). Operators should load and unload cautiously during handling to prevent damage to the package.

Conditions for safe storage, including any incompatibilities: Store in a cool, dry, well-ventilated warehouse. Keep away from fire and heat. Protect from direct sunlight. It should be stored separately from oxidants, flammable materials, etc., and should not be mixed.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters: /

Appropriate engineering controls: Ensure system is tightly sealed and provide sufficient local exhaust.

Individual protection measures

- **Eye/face protection**: Wear a protective mask.
- **Skin protection**: Wear normal protective clothing.
- **Respiratory protection**: Air respirators should be worn during emergency rescue or evacuation.
- **Thermal hazards**: /

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, colour, etc.)	An iron can contains a mixture of high-pressure gas and liquid.
Odour	/
Odour Threshold	/
pH	/
Melting point / freezing point	/
Initial boiling point and boiling range	/
Flash point	/
Evaporation rate	/
Flammability (solid, gas)	/
Upper/lower flammability or explosive limits	/
Vapour pressure	/
Vapour density	/
Relative density	/
Solubility(ies)	/
Partition coefficient: n-octanol / water	/
Auto-ignition temperature	/
Decomposition temperature	/
Viscosity	/

SECTION 10 STABILITY AND REACTIVITY

- **Reactivity:** /
- **Chemical stability:** The material is stable in normal temperatures.
- **Possibility of hazardous reactions:** /
- **Conditions to avoid:** Spark, high temperature and static electricity.
- **Incompatible materials:** Flammable materials.
- **Hazardous decomposition products:** Oxycarbides, etc.

SECTION 11 TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure: Inhaled, ingested, skin, and eyes.

Symptoms related to the physical, chemical and toxicological characteristics: /

Acute health effects: Accidental ingestion of the material may be harmful and cause cough and throat irritation. Oral intake may cause nausea and other symptoms. This material may cause skin and eye irritation.

Chronic health effects: Repeated or prolonged exposure may cause skin sensitization.

Numerical measures of toxicity (such as acute toxicity estimates):

Polymethylene polyphenyl polyisocyanate:

- LD50(oral, rat): >2000 mg/kg
- LD50(dermal, rabbit): >9400 mg/kg
- LC50(inhalation, rat): 0.49 mg/l/4h

Butane：

- LC50(inhalation, rat): 658 mg/l/4H

Dimethyl ether：

- LC50(inhalation, rat):309 mg/l/4H

Silicone oil:

- LD50(oral, rat): >17000 mg/kg
- LD50(dermal, rabbit): >2000 mg/kg

SECTION 12 ECOLOGICAL INFORMATION

Toxicity:

Polymethylene polyphenyl polyisocyanate:

Endpoint	Test Duration (hr)	Species	Value
LC50	96	Fish	>1mg/L
EC50	72	Algae or other aquatic plants	>1-640mg/L

Propane:

Endpoint	Test Duration (hr)	Species	Value
LC50	96	Fish	10.307mg/L
EC50	96	Algae or other aquatic plants	7.71mg/L

Butane:

Endpoint	Test Duration (hr)	Species	Value
LC50	96	Fish	10.307mg/L
EC50	96	Algae or other aquatic plants	7.71mg/L

SECTION 12 ECOLOGICAL INFORMATION

Persistence and degradability:

Low（Propane）/ Low（Butane）/ Low（Dimethyl ether）/ High（DMDEE）

Bioaccumulative potential:

Low（Propane）/ Low（Butane）/ Low（Dimethyl ether）/ Low（DMDEE）

Mobility in soil:

Low（Propane）/ Low（Butane）/ High（Dimethyl ether）/ Low（DMDEE）

Other adverse effects: /

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal methods: Dispose of product via approved landfill or controlled disposal. Damaged containers must not be reused and should be disposed of at designated facilities.

SECTION 14 TRANSPORT INFORMATION

- **UN number:** 1950.
- **UN proper shipping name:** AEROSOLS (Polyurethane Foam)
- **Transport hazard class(es):** 2.1.
- **Packing group, if applicable:** /
- **Environmental hazards:** /
- **Special precautions for user:** /

SECTION 15 REGULATORY INFORMATION

Regulations: This safety data sheet is in compliance with the following national standards: GB/T 16483-2008, GB 13690-2009, GB 18218-2018, GB 15258-2009, GB 6944-2012, GB 190-2009, GB/T 191-2008, GB 12268-2012, GA 57-1993, GB/T 15098-2008, GBZ 2.1-2019, GBZ 2.2-2007 as well as the following national regulations: Dangerous Goods Transport Administrative Regulation, Dangerous Chemicals Safety Administrative Regulation.

SECTION 16 OTHER INFORMATION

References	UN Recommendations on the Transport of Dangerous Goods Model Regulations UN Globally Harmonized System of Classification and Labelling of Chemicals
Form Date	9-April-2026

- **Note 1:** When products contain two or more hazardous substances, Safety Data Sheets should be prepared based on the risk of the mixture.
- **Note 2:** The manufacturer/supplier should ensure the correctness of the information contained in the safety data sheets and update them in a timely manner.
- **Note 3:** Due to the nature of the product and the absence of specific data (for example, a boiling point not applicable to solids), such entries are indicated with a "/" in the table.