

# MATERIAL SAFETY DATA SHEET

**Trade Name:** POLY-FOAM COMP. "A"

**Chemical Family:** AROMATIC ISOCYANATES

**Formula:** Mixture

**Manufacturer:** BASF CANADA  
100 Milverton Drive  
Mississauga, ON L5R 4H1

**Supplier:** COAST FIBER-TEK  
1306 Boundary Road  
Burnaby, BC V5K 4T6  
Tel.# (604) 294-8116

**Emergency Phone #'s:**(800) 454-2673

**Transportation EMG. Phone #** CANUTEC

**(613) 996-6666**

**(604) 930-0650**

## **HAZARDOUS INGREDIENTS:**

<b>Diphenylmethane-4,4'-diisocyanate(MDI):</b>	>=30.0 - <=60.0%	CAS # 101-68-8
<b>Methylenediphenyl diisocyanate:</b>	>=5.0 - <=10%	CAS # 26447-40-5
<b>P_MDI:</b>	>=40.0 - <=70.0	CAS # 9016-87-9

**Exposure Limits:** ACGH 0.005ppm TWA  
OSHA CLV 0.02 ppm 0.2 mg/m<sup>3</sup>  
Oral: LD50/rat: > 10,000 mg/kg – Practically nontoxic  
Inhalation: LC50/rat: > 2.240 mg/l / 1 h – Moderately toxic

## **PHYSICAL DATA:**

**Appearance & Odour:** Amber to brown liquid, faint odour, aromatic  
**Odour Threshold:** No data  
**Vapour Pressure:** 0.00001 mm/HG @ 20°C  
**Vapour Density:** No data  
**Solubility in Water:** Reacts  
**Density:** 1.22 g/cm<sup>3</sup>  
**Boiling/Condensation Point:** 200°C  
**Bulk Density:** 10.16 US lb/gal  
**Freezing Point:** 3°C

## **FIRE & EXPLOSION DATA:**

**Flashpoint & Method:** 220°C (COC)  
**Flammable Limits:** UFL & LFL - N/A  
**Extinguishing Methods:** Water, dry extinguishing media, carbon dioxide, foam  
**Special Equipment & Procedures:** Do not direct solid water stream or foam into hot burning pools. This may cause frothing and increase fire intensity. Use self-contained breathing apparatus & complete protective clothing.

## **REACTIVITY DATA:**

**Conditions Contributing to Instability:** Avoid moisture  
**Incompatible Substances:** Water, acid, alcohols, amines and alkalis. On contact with water, gaseous decomposition products are formed, which cause build-up of pressure in tightly closed containers. Risk of bursting. Reacts with substances which contain active hydrogen  
**Hazardous Decomposition Products:** Carbon monoxide, hydrogen cyanide, nitrogen oxides, aromatic isocyanates, gases/vapours.  
**Hazardous Polymerization:** Polymerization may occur with incomplete reactants. Especially strong bases, water or temperatures over 190°C. Temperatures over 48°C accelerate the reaction with water.

## **HEALTH HAZARDS DATA:**

***NOTE:*** Health studies have shown that exposure to chemicals pose potential risks which may vary from person to person. Exposure to liquids, vapours, mists or fumes should be minimized.

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Poly Foam "A" - Pg 2

## **PRINCIPAL HEALTH HAZARDS:**

- Skin Contact:* Contact may cause dry skin, irritate skin or dermatitis  
*Eye Contact:* Irritation and corneal injury  
*Ingestion:* May cause gastrointestinal disturbances, pain & discomfort.  
*Inhalation:* May cause irritation of the respiratory tract, narcosis, tightness of chest, difficulty breathing and possible lung damage.

## **FIRST AID PROCEDURES:**

- Skin:* Wash with soap & water. Seek medical attention if irritation persists.  
*Eyes:* Flush with flowing water for 15 minutes occasionally lifting eyelids. Obtain medical attention immediately.  
*Ingestion:* **DO NOT INDUCE VOMITING.** Rinse mouth and then drink plenty of water. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediate medical attention required.  
*Inhalation:* Remove to fresh air, give oxygen or artificial respiration as required, seek medical attention.

## **PREVENTIVE MEASURES:**

- Skin:* Always apply appropriate barrier cream to exposed skin. Wear impervious gloves (butyl rubber), coveralls and safety footwear.  
*Eyes:* Chemical proof goggles or full face respirator if vapours cause eye irritation.  
*Ingestion:* Wash thoroughly before consuming food stuffs.  
*Inhalation:* Use only in well ventilated areas or use NIOSH or CAS approved respiratory protection with organic vapour cartridges.

## **CONTROL MEASURES & PRECAUTIONS**

Keep container tightly closed. **Do not** consume food, drink or tobacco in work area or material storage areas. Use caution and personal cleanliness to avoid skin and eye contact. Avoid breathing vapours of heated materials. Use paper covering absorbent wipes and suitable disposable containers in work area.

## **SPILL, LEAK & DISPOSAL METHODS**

**Review fire and explosion hazards and safety precautions before proceeding with clean up.** Restrict access to area. Contain spill to prevent liquid from entering sewers or waterways. Recover free liquid and use an absorbent material (i.e. sand, vermiculite) to soak up balance. Place in suitable container for disposal.

## **DISPOSAL METHOD**

Dispose only in a facility permitted to dispose of hazardous waste by Federal, Provincial and Municipal regulations.

## **SHIPPING INFORMATION**

Shipping Name: N/A  
Hazard Class: N/A  
UN/PIN #: N/A  
Flashpoint: 204°C  
WHMIS: D2A, D2B

The information contained herein is based on data that we believe to be accurate. No warranty either expressed or implied is made. This information is offered solely for your consideration interpretation and information.

**Preparation Date:** February 23, 1993  
**Prepared by:** Nigel Poore, 1306 Boundary Road, Burnaby, BC V5K 4T6  
**Telephone #:** (604) 294-8116  
**Revised Date:** January 5, 2016

N/A = Not Available

# MATERIAL SAFETY DATA SHEET

**Trade Name:** POLY-FOAM COMP. "B"

**Chemical Family:**

**Formula:** Mixture

**Manufacturer:** BASF CANADA  
100 Milverton Drive  
Mississauga, ON L5R 4H1

**Supplier:** COAST FIBER-TEK  
1306 Boundary Road  
Burnaby, BC V5K 4T6  
Tel.# (604) 294-8116

**Emergency Phone #'s:** (800) 454-2673

**Transportation EMG. Phone #** CANUTEC

(613) 996-6666

(604) 930-0650

**HAZARDOUS INGREDIENTS:**

No particular hazards known

Exposure Limits: N/A

**PHYSICAL DATA:**

Appearance & Odour: light amber liquid, faint odour

Odour Threshold: N/A

Vapour Pressure: 155.00 MM HG @ 23°C

Vapour Density: No data

Solubility in Water: Slightly soluble

Density: 1. g/cm<sup>3</sup>

Bulk Density: 9.06 lbs/US gal

**FIRE & EXPLOSION DATA:**

Flashpoint & Method: 93°C (open cup)

Flammable Limits: UFL & LFL - N/A

Extinguishing Methods: CO<sub>2</sub>, dry extinguishing media, water and foam

Special Equipment & Procedures: Self-contained breathing apparatus & complete protective clothing. Do not direct solid water stream or foam into hot, burning pools; this may cause frothing and increase fire intensity. Do not direct solid water stream or foam into hot burning pools, this may cause frothing and increase fire intensity.

**REACTIVITY DATA:**

Conditions Contributing to Instability: > 27°C. Avoid moisture, direct sunlight and excessive temperatures.

Incompatible Substances: Oxidizing materials, isocyanates and acids. Alkali or alkaline earth metals (aluminum, zinc, beryllium and copper)

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide.

Hazardous Polymerization: No data

**HEALTH HAZARDS DATA:**

*NOTE: Health studies have shown that exposure to chemicals pose potential risks which may vary from person to person. Exposure to liquids, vapours, mists or fumes should be minimized.*

# MATERIAL SAFETY DATA SHEET

Poly Foam Comp. "B" - Pg 2

## **PRINCIPAL HEALTH HAZARDS:**

- Skin Contact:** This product contains amine catalyst and will cause irritation to the skin after prolonged contact. Some individuals may be more sensitive to exposure.
- Eye Contact:** May cause slight irritation to the eyes.
- Ingestion:** This is not considered a common occupational route of exposure, and no observable effects have been demonstrated.
- Inhalation:** May cause irritation to the throat and respiratory passages, but at room temperature, vapour inhalation is not considered hazardous. Vapours may cause dizziness, tremors, cardiac arrhythmia and cardiac arrest

## **FIRST AID PROCEDURES:**

- Skin:** Wash with warm soapy water. Seek medical attention if irritation persists.
- Eyes:** Flush with flowing water for 15 minutes. If irritation persists, obtain medical attention.
- Ingestion:** Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek immediate medical attention
- Inhalation:** Remove to fresh air, give oxygen or artificial respiration as required and seek medical attention.

## **PREVENTIVE MEASURES:**

- Skin:** Always apply appropriate barrier cream to exposed skin. Wear impervious gloves (butyl rubber), coveralls and safety footwear.
- Eyes:** Chemical proof goggles or full face respirator if vapours cause eye irritation.
- Ingestion:** Wash thoroughly before consuming food stuffs.
- Inhalation:** Use only in well ventilated areas or use NIOSH or CAS approved respiratory protection with organic vapour cartridges.

## **CONTROL MEASURES & PRECAUTIONS**

Keep container tightly closed. **Do not** consume food, drink or tobacco in work area or material storage areas. Use caution and personal cleanliness to avoid skin and eye contact. Avoid breathing vapours of heated materials. Use paper covering absorbent wipes and suitable disposable containers in work area.

## **SPILL, LEAK & DISPOSAL METHODS**

**Review fire and explosion hazards and safety precautions before proceeding with clean up.** Restrict access to area. Contain spill to prevent liquid from entering sewers or waterways. Recover free liquid and use an absorbent material (i.e. sand, vermiculite) to soak up balance. Place in suitable container for disposal. Wash the contaminated area with hot soapy water, thoroughly. Ventilate area to remove vapours.

## **DISPOSAL METHOD**

Dispose only in a facility permitted to dispose of hazardous waste by Federal, Provincial and Municipal regulations.

## **SHIPPING INFORMATION**

Shipping Name: Non regulated  
Hazard Class: N/A  
UN/PIN #: N/A  
Flashpoint: 93°C  
WHMIS: D2B

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**Preparation Date:** February 28, 1993  
**Prepared by:** Nigel Poore, 1306 Boundary Road, Burnaby, BC V5K 4T6  
**Telephone #:** (604) 294-8116  
**Revised Date:** January 5, 2016

N/A = Not Available