

SAFETY DATA SHEET

PFAC – B POLYLOL

Revision Date: 12/31/2015
SDS Version: 1.0

Page: 1 of 6

1. IDENTIFICATION

GHS IDENTIFICATION: PFAC POLYLOL

C.D. PRODUCTS INC.
918 N UNION ST,
APPLETON, WI 54911
920- 739-8685

2. HAZARD(S) IDENTIFICATION

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.120

**This mixture has not been tested as a whole. The effects, listed below, are based on evaluation of individual components.

GHS Classification: Acute Toxicity – Category 4 (Oral)
Skin Sensitization – Category 1
Hazardous to the Aquatic Environment (Acute) – Category 1
Hazardous to the Aquatic Environment (Chronic) – Category 1

GHS Label Elements, including precautionary statements:

Hazard Pictograms:



Signal Word: **WARNING**

Hazard Statements: H302: Harmful if swallowed.
H317: May cause an allergic reaction.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting results.

Precautionary Statements (Prevention): P264: Wash face, hands and any exposed skin thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P273: Avoid release to the environment.

Precautionary Statements (Response): P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330: Rinse mouth.
P302+352: IF ON SKIN: Wash with plenty of soap and water.

P333+313: If skin irritation or rash occurs: Get medical advice/attention.

P362+364: Take off contaminated clothing and wash it before reuse.

P391: Collect Spillage.

Precautionary Statements (Storage): None Listed.

Precautionary Statements (Disposal): P501: Dispose of contents/container in accordance with federal, state and local regulations.

Revision Date: 12/31/2015

SDS Version: 1.0

Page: 2 of 6

Other hazards which do not result in classification or are not covered by the GHS: May be harmful in contact with skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

CAS Number	Weight Percentage	Chemical Name
	60-100 %	Polyol
106264-79-3	10-30 %	Aromatic Diamine

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

4. FIRST-AID MEASURES

Description of necessary measure, subdivided according to different routes of exposure:

General Measures: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

Eye Contact: IF IN EYES: Rinse cautiously with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If symptoms persist, obtain medical advice.

Inhalation: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin Contact: IF ON SKIN: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Get medical advice/attention. Wash contaminated clothing before reuse.

Ingestion: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

Most important symptoms/effects, acute and delayed: No information available.

Indication of immediate medical attention and special treatment needed, if necessary:

Note to Physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media:

Suitable extinguishing media: Foam, Dry chemical. Carbon dioxide. Water spray (mist).

Unsuitable extinguishing media: Do not use a heavy water stream.

Special hazards arising from the chemical (e.g. nature of any hazardous combustion products):

Decomposition Products: Oxides of carbon and nitrogen. Oxides of Sulphur.

Unusual Fire/Explosion Hazards: In case of fire and/or explosions do not breathe fumes.

Special protective equipment and precautions for fire-fighters:

Fire Fighting Procedures: As in any fire, wear self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures:**

Personal Precautions: Ensure adequate ventilation, especially in confined areas. Avoid contact with the skin and eyes. Use personal protective equipment. See Section 8 for more information.

Environmental precautions: Avoid runoff into sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Revision Date: 12/31/2015

Page: 3 of 6

SDS Version: 1.0

Methods and materials for containment and cleaning up:

Methods for containment: Contain spills with an inert absorbent material such as soil, sand or oil dry.

Methods for cleaning up: Soak up spills with inert absorbent materials. Collect spillage. Store away from other materials. Dispose of according to local, state and federal regulations.

7. HANDLING AND STORAGE

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety practice. Provide good ventilation in process area to prevent formation of vapor.

Conditions for safe storage, including any incompatibilities:

Storage: Containers should be tightly sealed to prevent contamination with foreign materials and moisture. Take precautions against the buildup of electrostatic charges. Keep away from heat, sparks, and open flame. Keep in a well-ventilated place. Material is hygroscopic and may absorb small amounts of atmospheric moisture.

Material to avoid: Strong bases. Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Polyol and Aromatic Diamine (106264-3)**

79Control parameters: ACGIH: Not Applicable
OSHA: Not Applicable
Showers

Appropriate Engineering Controls: Eyewash stations
Ventilation systems

Individual Protection Measures:

Respiratory Protection: A NIOSH approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Hand Protection: Wear impervious gloves.

Eye Protection: Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulations.

Skin Protection: Wear chemical resistant footwear and clothing such as gloves, an apron or a whole body suit as appropriate.

Other information: Do not eat, drink or smoke during use. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Amber.
Odor:	Organic faint resin odor.
Odor Threshold:	No information available.
pH:	No information available.
Melting Point/Freezing Point:	No information available.
Boiling Point:	No information available.
Flammability:	No information available.
Lower Explosion/Flammability Limit:	No information available.
Upper Explosion/Flammability Limit:	No information available.
Flash Point:	> 94 °C
Auto-ignition Temperature:	No information available.
Decomposition Temperature:	No information available.
pH:	No information available.

Revision Date: 12/31/2015
SDS Version: 1.0

Page: 4
of 6

Kinematic Viscosity:	No information available.
Solubility:	Soluble
Partition coefficient: n-octanol/water (log value):	No information available.
Vapor Pressure:	No information available.
Specific Gravity:	No information available.
Relative Vapor Density:	No information available.
Particle characteristics:	No information available.

10. STABILITY AND REACTIVITY

Reactivity: No data available.

Chemical Stability:	Stable under normal conditions.
Possibility of hazardous reactions:	No hazardous reaction expected under normal handling.
Conditions to avoid:	Keep away from humidity. Extremely high or low temperatures.
Incompatible materials:	Strong acids. Strong bases. Oxidizing materials. Avoid freezing and excessive heat.
Hazardous decomposition products:	Carbon monoxide. Carbon dioxide. Nitrogen oxides. Amines and other aliphatic fragments which have not been determined.

11. TOXICOLOGICAL INFORMATION

Polyol:	Does not meet the classification criteria.
Aromatic Diamine (106264-79-3) Likely routes of exposure:	<u>Inhalation:</u> Not irritating <u>Eye Contact:</u> Not irritating <u>Skin Contact:</u> Irritating to Skin. <u>Ingestion:</u> Harmful if swallowed.
Skin Corrosion:	Irritating to skin.
Serious eye damage/irritation:	Not irritating.
Respiratory or skin sensitization:	Maximization Test. (guinea pig): Not sensitizing.
Germ cell mutagenicity:	Ames Test: Positive and negative results obtained. In vitro mutagenicity test: Not genotoxic in mammalian cell systems Mouse micronucleus test: Negative.
Carcinogenicity:	There are no know carcinogenic chemicals in this product.
Reproductive toxicity:	None known.
STOT – Single Exposure:	No information available.
STOT – Repeated Exposure:	No information available.
Chronic Effects:	Rats given this product in the diet for up to 90 days showed increased liver metabolic activity. There were kidney effects observed that were unique to make rates. These effects were similar to changed that have been observed in male rate given hydrocarbons. These effects resolved in animals allowed for 30 days recovery. Rats treated for 24 months did not have microscopic alterations in any tissues compared to control animals. Tumors seen in control and treated animals were usual for the age and strain of rats.
Aspiration hazard:	No information available.
Numerical measures of toxicity:	Product information: No information available. ATEmix (oral): 379 mg/kg (calculated based on 3.1 of the GHS) ATEmix (dermal): 2,063 mg/kg (calculated on 3.1 of the GHS) LD50 Oral: Rat Oral LD50: 1,515 mg/kg (rat) LD50 Dermal: Rabbit Dermal LD50: > 2,000 mg/kg (rabbit)

Revision Date: 12/31/2015
SDS Version: 1.0

Page: 5 of 6

12. ECOLOGICAL INFORMATION

Aromatic Diamine (106264-79-3) Ecotoxicity:	Very toxic to aquatic life with long lasting effects. LC50/96h/rainbow trout: 7.3 mg/L
---	---

EC50/48h/daphnia: 0.9 mg/L
 EC50/72h/algae: (Salenastrum capricornutum): 7.6 mg/L

Persistence and degradability: Not readily biodegradable (OECD 310 D).
 Bioaccumulative potential: No information available.
 Mobility in soil: No information available.
 Other adverse effects: May cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATION

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging.

Waste Treatment methods: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classification of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines. Triple-rinse drum prior to offering for recycle, reconditioning or disposal. Dispose of rinsate in an environmentally acceptable manner consistent with applicable waste management. Refer to 40 CFR 261.7 (residues of hazardous waste in empty containers).

14. TRANSPORTATION INFORMATION

Land Transport (DOT): Not classified as a dangerous good under transport regulations. See Additional Transportation Information Section 14.

Air Transport (ICAO/IATA): Not classified as a dangerous good under transport regulations. See Additional Transportation Information Section 14.

Additional Transportation Information: DOT and IATA: This product is regulated if the amount in a single receptacle exceeds the Reportable Quantity (RQ). Please refer to Section 15 of this SDS for the RQ for this product.

15. REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product in question United States Federal Regulations: US. Toxic Substances Control Act: All ingredients listed on TSCA Inventory.

Reportable Quantity: DOT: In a container 119 gallons or less, this product is not regulated for ground transportation. Bulk container ships as UN3082, Environmentally hazardous substance, liquid, N.O.S., (6-Methyl-2,4-bis(methylthio)phenylene-1,3-diamine) 9, III

IATA: Maximum new quantity per package: 450 L: UN 3082 Environmentally hazardous substance, liquid, N.O.S. (6-Methyl-2,4-bis(methylthio)phenylene-1,3-diamine), 9, III

SARA Section 311/312 Hazardous Categories: Acute Health Hazard
 Chronic Health Hazard

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA)
 SARA Title III Section 302 Extremely Hazardous Substance
 (40 CFR 355, Appendix A) Components: None Listed.

US. EPA Emergency Planning and
Community Right-To-Know Act (EPCRA) SARA
Title III Section 313 Extremely
Hazardous Substance (40 CFR 372.65)
– Supplier Notification Required
Component: None Listed.

US. EPA Resources Conservation and
Recovery Act (RCRA) Composite List of
Hazardous Wastes and Appendix VIII
Hazardous Constituents
(40 CFR 261): Under RCRA, it is the responsibility of the person who generates a solid
in 40 CFR 261.2, to determine if that waste is a hazardous waste.

State Right-To Know Information: None Listed.

aste, as defined

16. OTHER INFORMATION

Date of issue: 12/31/2015
Date of previous issue: 00/00/0000
Version: 1.0

DISCLAIMER: WHILE THE INFORMATION CONTAINED HEREIN IS PRESENTED IN GOOD FAITH AND IS ACCURATE TO THE BEST OF OUR KNOWLEDGE, INFORMATION, AND BELIEF, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. WE ASSUME NO LIABILITY WHATSOEVER FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION CONTAINED HEREIN.

FINAL DETERMINATION OF SUITABILITY OF ANY MATERIAL IS THE SOLE RESPONSIBILITY OF THE USER. WE MAKE NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

ALL MATERIALS PRESENT UNKNOWN HAZARDS AND SHOULD BE USED WITH CAUTION. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS THAT EXIST. ALL INFORMATION IS BEING GIVEN AND ACCEPTED AT YOUR OWN RISK.

END OF SAFETY DATA SHEET