

SAFETY DATA SHEET

345 FS Part B

Section 1: Product and Company Identification

Product Name: 345FS – Part B

Manufacturer:

Polygem Epoxy
1105 Carolina Dr.
West Chicago IL 60185
Phone: 888-446-3987
Fax: 630-231-5604

24 Hour Emergency Contact Number:

INFOTRAC 1-800-535-5053 * International 01-352-323-3444

Section 2: Hazards Identification

GHS Classifications

Health:

Skin Sensitization, Category 1

GHS Label



Exclamation mark

Signal Word: Warning.

Hazard Statements

H317: May cause an allergic skin reaction.

Precautionary Statements

Prevention:

P260: Do not breathe mist, vapours or spray.

P280: Wear protective gloves, protective clothing, eye protection and face protection.

Response:

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P333+P313: If skin irritation or rash occurs: Get medical attention.

P362+P364: Take off contaminated clothing and wash before reuse.

Section 3: Composition/Information on Ingredients

Component	% (weight)	Product Identifier
6-Methyl-2,4-bis(methylthio)phenylene-1,3-diamine	10-20	CAS No. 106264-79-3
N,N,N',N'-Tetrakis(2-hydroxypropyl)ethylenediamine	≤ 10	CAS No. 102-60-3
N,N'-Dialkylamino-diphenylmethane	≤ 5	CAS No. 5285-60-9

Section 4: First Aid Measures

Eye Contact: Immediately flush eyes with plenty of water. Seek medical attention if irritation persists.

Skin Contact: Wash with soap and water. Seek medical attention if irritation or rash occurs.

Ingestion: Give one or two glasses of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician.

Inhalation: Move person to fresh air.

Section 5: Firefighting Measures

Extinguishing Media: Water spray, foam, dry chemical or carbon dioxide.

Hazardous Combustion Products: Carbon oxides, nitrogen oxides and sulfur oxides.

Explosion Hazards: None.

Fire Fighting Procedures: Do not use direct water stream as this may spread the fire. Use water spray to cool fire-exposed containers.

Fire Fighting Equipment: Exposed firefighters must wear NIOSH-approved positive pressure self-contained breathing apparatus with full-face mask and full protective clothing.

Section 6: Accidental Release Measures

Personal Protection: Wear protective equipment listed in Section 8.

Spill Procedures: Isolate the hazard and deny entry to unnecessary and unprotected personnel. Do not walk through or otherwise scatter spilled material. Small spills: Absorb with dry chemical absorbent, earth, sand or any other inert material. Large spills: Create a dike or trench to contain product. Follow same procedure as for a small spill.

Environmental Precautions and Cleanup Methods: Clean spill area with detergent and water. Retain water for disposal.

Section 7: Handling and Storage

Handling: Do not get in eyes, on skin or on clothing. Wash hands before eating, drinking or smoking. Keep container closed when not in use. Do not reseal if contaminated. Keep away from heat and flame.

Storage: Store in tightly closed containers in cool, dry and well-ventilated area away from heat or sources of ignition. Keep out of direct sunlight.

Storage Temperature: 4.4°C - 32.2°C (40°F - 90°F).

Section 8: Exposure Controls/Personal Protection

Eye/Face Protection: Wear a face shield and chemical safety glasses or goggles.

Skin Protection: Wear impervious gloves. Cover exposed skin.

Respiratory Protection: None required in normal use.

Section 9: Physical and Chemical Properties

Appearance	Liquid of various colors.
Odor	Slightly musty.
Odor Threshold	No data.
Melting Point	No data.
Freezing Point	No data.
Boiling Point	No data.
Flash Point (Closed Cup)	> 93.3°C (200°F)
Evaporation Rate	No data.
Flammable Limits In Air	No data.
Vapor Pressure	No data.
Vapor Density (air = 1)	No data.
Solubility in water	Partial.
Autoignition Temperature	No data.
Decomposition Temperature	No data.
Specific Gravity (water = 1)	1.04 – 1.08 at 25°C (77°F)
Viscosity (centipoise)	1350 - 1550 at 25°C (77°F)

Section 10: Stability and Reactivity

Stability: Stable.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: Carbon oxides, nitrogen oxides and sulfur oxides.

Incompatibilities: Strong acids and strong oxidizers.

Section 11: Toxicological Information

Acute:

Component	Oral LD ₅₀ (rat)	Dermal LD ₅₀ (rabbit)	Inhalation LC ₅₀ (rat)
6-Methyl-2,4-bis(methylthio)phenylene-1,3-diamine	1515 mg/kg	> 2000 mg/kg	
N,N,N',N'-Tetrakis(2-hydroxypropyl)ethylenediamine	3280 mg/kg	> 2000 mg/kg	

Carcinogenicity:

IARC: Not regulated as a carcinogen.

NTP: Not regulated as a carcinogen.

OSHA: Not regulated as a carcinogen.

Section 12: Ecological Information

Ecotoxicological Information:

6-Methyl-2,4-bis(methylthio)phenylene-1,3-diamine: LC₅₀ (rainbow trout) 7.3 mg/L/96h; EC₅₀ (Daphnia magna) 0.9 mg/L/48h; EC₅₀ (algae) 7.6 mg/L/728h

Section 13: Disposal Considerations

Disposal Method: Dispose in accordance with local, state, provincial or national regulations.

Empty Container: Decontaminate and pass to an approved drum recycler or destroy.

RCRA/EPA Waste Information: If discarded in its purchased form, this material is not a RCRA hazardous waste

General Comments: The generation of waste should be avoided or minimized whenever possible. Chemical waste, even small quantities, should never be poured into drains, sewers or waterways.

Section 14: Transport Information

U.S. 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, NOS, (Aromatic amines), 9, III

ICAO/IATA: Not regulated.

IMO/IMDG: UN3082, Environmentally hazardous substance, liquid, NOS, (Aromatic amines), 9, III
Regulated as a marine pollutant.

Section 15: Regulatory Information

United States**SARA Title III (Superfund Amendments and Reauthorization Act)**

311/312 Hazard Categories: Acute, Chronic

313 Reportable Components: None.

CERCLA (Comprehensive Environmental Response and Liability Act): None.**TSCA (Toxic Substances Control Act):** All components are on TSCA inventory.**RCRA Status:** If discarded in its purchased form, this material is not a RCRA hazardous waste.**Section 16: Other Information**

Date Issued: August 8, 2009

Revised: April 2, 2015, Rev #2

Changed from previous version: Update to meet requirements of 29 CFR 1910.1200 Hazard Communication Standard (HazCom 2012)

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Abbreviations and Acronyms:

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
EC ₅₀	Median effective concentration
EINECS	European Inventory of Existing Commercial Chemical Substances
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
LC ₅₀	Lethal concentration to 50% of exposed laboratory animals
LD ₅₀	Lethal dose to 50% of exposed laboratory animals
TWA	Time-weighted average
TLV	Threshold limit value
NIOSH	US National Institute of Occupational Safety and Health
NE	Not established
NTP	US National Toxicology Program
OEL	Occupational exposure limit
OSHA	US Occupational Safety Health Administration
PEL	Permissible exposure limit
RQ	Reportable quantity
STEL	Short term exposure limit
U.S. DOT	United States Department of Transportation