



Material Safety Data Sheet

Date of Issue: 8/19/09

1. Identification of substance:

Product Name: POLYLAST AROMATIC BINDER

Name: Polylast Systems LLC

Address: 15575 N. 83rd Way, Ste. A-1, Scottsdale, AZ 85260

Telephone: 480-998-3033

Emergency phone number: CHEMTREC (800) 424-9300

2. Hazards Identification:

HEALTH HAZARDS:

Eyes: Severe irritation, tearing, swelling, and possible damage to cornea.

Skin: Irritation, redness, swelling, skin sensitization, rash, scaling and blistering.

Inhalation: Mucous membrane and respiratory tract irritation, tightness of chest, Isocyanate sensitization.

Ingestion: irritating and corrosive to mouth, stomach, and digestive tract.

3. Composition/Data on components:

<u>Hazardous Components</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>NOISH PEL</u>
Methylene Bisphenyl	0.02 ppm	0.005 ppm	0.005 ppm
Isocyanate	Ceiling	TWA	TWA
CAS# 101-68-8			0.02 ppm
			Ceiling

4. Composition/Data on components:

After skin contact: Remove contaminated clothing. Clean affected area with soap and plenty of water. Call physician if irritation develops.

After eye contact: Rinse opened eye for at least 15 minutes under running water. Call a physician at once.

After swallowing: Do not induce vomiting. If conscious, give 1 to 2 cups of milk or water to drink. Consult a physician at once.

After inhalation: Remove from exposure area. Administer oxygen or artificial respiration as need. Obtain medical attention.

5. Firefighting measures:

Suitable extinguishing agent: Water spray, CO₂, Foam, Dry chemical.

Protective equipment: Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by firefighters.

6. Accidental release measures:

Person-related safety precautions: Evacuate all non-essential personnel. Avoid contact with skin. Do not breathe aerosols or vapors.

Measures for environmental protection: Cover and contain spill with absorbent material. Place in open container. Remove to well-ventilated area and dilute with ammonia solution (water 90%, concentrated ammonia 8%, detergent 2%). Dispose of in accordance with local regulation.

7. Handling and storage:

Handling:

Information for safe handling: Keep containers tightly closed. Do not store above 150°F.

Information about protection against explosions and fires: Closed containers may rupture when exposed to extreme heat.

8. Exposure controls and personal protection:

Personal protective equipment:

General protective and hygienic measures: The usual precautionary measures should be adhered to general rules for handling chemicals.

Respiratory protection: Do not inhale vapors. Use NIOSH approved respiratory protection if TLV/PEL is exceeded. Do not enter storage area unless adequately ventilated.

Protection of hands: Protective butyl rubber or nitrile rubber gloves.

Eye protection: Chemical safety goggles.

Body protection: Protective work clothing.

9. Physical and chemical properties:

Form: Viscous liquid

Color: Amber

Water solubility: Reach with water.

Odor: Mild odor.

Flash point: >240 °F (PMCC)

Specific Gravity: 1.07

10. Stability and reactivity:

Avoid contact water; amines, strong bases, and alcohol.

Dangerous products of decomposition: Oxides of carbon, oxides of nitrogen, and traces of HCN.

11. Toxicology information:

Eyes: Severe irritation, tearing, swelling, and possible damage to cornea.

Skin: Irritation, redness, swelling skin sensitization, rash, scaling, and blistering.

Inhalation: Mucous membrane and respiratory tract irritation, tightness of chest, Isocyanate sensitization.

Ingestion: Irritating and corrosive to mouth, stomach, and digestive tract.

12. Ecological Information:

General Information: Based on experience no adverse effects are to be expected if correct disposal procedures have been followed.

13. Disposal Considerations

Recommendation: Observe local requirements. Dispose of in accordance with local regulations.

14. Transport Information

Land Transport (DOT)

Proper Shipping Name: Other Substances, liquid, n.o.s. (contains 4,4'-Diphenylmethane Diisocyanate (MDI))

Hazard Class or Division: 9

UN/NA Number: NA3082

Packing Group: III

Hazard Label(s): Class 9

RSPA/DOT Regulated Components: 4,4''-Diphenylmethane Diisocyanate (MDI)

Reportable Quantity: 50,000 lbs.

Additional Transportation Information: When in individual containers of less than the Product RQ, this material ships as non-regulated.

15. Regulatory information:

US. Toxic Substances Control Act: Listed on the TSCA inventory

US. EPA CERCLA Hazardous Substances (40 CFR 302)

Components

Methylene Bisphenyl Isocyanate Reportable quantity: 5,000 lbs.

SARA Section 311/312 Hazard 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 Substances (40 CFR 355)

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA)

SARA Title III Section 313 Extremely Hazardous Substances (40 CFR 372.65) - Supplier Notification Required:

Section 313 Supplier Notifications

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

<u>CAS#</u>	<u>Chemical Name</u>	<u>% BY Weight</u>
101-68-8	Methylene Bisphenyl Isocyanate	10.0
9016-87-9	Polymethylene Polyphenyl Isocyanate	2.0

16. Other information:

NFPA 704 Rating

Health	2
Flammability	1
Reactivity	1
Other	

0=Insignificant 1=Slight 2=Moderate 4=Extreme

HMIS Rating

Health	2
Flammability	1
Physical Hazard	1

0=Insignificant 1=Slight 2=Moderate 4=Extreme

This data is based on our present knowledge. However, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing data specifications sheet:

Product safety department

Appendix A):

Components

NONE

California Proposition 65:

This material has one or more ingredients known to the state of California, to cause cancer, birth defects or other reproductive harm.
