

Material Safety Data Sheet

LS-40 PART B

Date of Preparation: 07/27/2005

Revision: 07/27/2005

Section 1 - Chemical Product and Company Identification

Product Name: LS-40 PART B

Product Class: Polyurethane curing agent mixture

Chemical Type: Glycol/aromatic diamine solution in plasticizer

Manufacturer: BJB Enterprises, Inc., 14791 Franklin Avenue, Tustin, CA 92780, Phone (714) 734-8450, Fax (714) 734-8929, (M-Th: 8-4:30, F: 7:30-4), Emergency Phone: Chemtrec (800) 424-9300 or (703) 527-3887

Section 2 - Composition / Information on Ingredients

Ingredient Name	CASRN	% wt
1. 1,2-Benzenedicarboxylic acid mixture	Proprietary	40-50
2. Polyether polyol mixture	Proprietary	40-50
3. Aromatic diamine	106264-79-3	1-5
4. Phenyl mercuric neodecanoate	26545-49-3	0.25 (0.09 as Hg)

Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Appearance: Clear, pale yellow liquid; Odor: Slight amine; Avoid skin contact. Avoid breathing vapors. May cause eye and skin irritation. Harmful if inhaled. Use in well-ventilated areas.

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PPE†

†Sec. 8

Potential Health Effects

Primary Entry Routes: Eye and skin contact; inhalation of vapors, accidental ingestion.

Inhalation/Ingestion: Excessive vapors caused by heat or spray mist can cause respiratory problems.

Eye: May cause irritation.

Skin: May cause irritation and possible allergic sensitivity with repeated contact.

Medical Conditions Aggravated by Long-Term Exposure: Acute asthma.

Section 4 - First Aid Measures

Inhalation: Not likely. Remove to fresh air environment.

Ingestion: If swallowed, call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel. Never give anything by mouth to an unconscious person.

Eye Contact: Flush eyes with clean, lukewarm water for 15 minutes. Obtain medical attention if irritation develops.

Skin Contact: Remove contaminated clothing and wash affected areas well with soap and water. Launder contaminated clothing before use.

Note to Physicians: Treat any ill effects symptomatically.

Section 5 - Fire-Fighting Measures

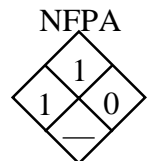
Flash Point/Method: 345°F (174°C) Pinsky-Martens Closed Cup

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

Unusual Fire or Explosion Hazards: Low; can react with strong oxidizing materials.

Fire-Fighting Instructions: Cool fire exposed containers with water spray. Remove containers from fire area if possible. Do not release runoff from fire control methods to sewers or waterways.

Fire-Fighting Equipment: Firefighters should wear positive pressure self-contained breathing apparatus (SCBA) and consider use of unmanned hose holders or monitor nozzles for fighting large fires.



Section 6 - Accidental Release Measures

Spill /Leak Procedures: Provide adequate ventilation and wear personal protective equipment. Evacuate personnel as a precaution. Prevent product spill from entering sewers, streams, or drinking water supplies. Collect liquid or soak up with inert filler or an absorbent, such as dry earth, sand, or oil absorbent (sweeping) compound. Collect material into suitable containers for disposal. Wash area with dilute ammonia solution.

Containment: For large spills, dike ahead of liquid spill for later neutralization, absorption, clean up, and disposal.

Section 7 - Handling and Storage

Handling Precautions: Avoid contact with eyes, skin and clothing. Avoid breathing vapor over open container.

Storage Requirements: Store in a cool, dry place away from excessive heat in original or similar waterproof containers. Avoid unnecessary contact. Protect from freezing. Containers should be tightly sealed to prevent contamination with foreign materials.

Shelf life: 6 months from date of shipment under manufacturers recommended storage conditions.

Section 8 - Exposure Controls / Personal Protection

Exposure Limits:

1,2-Benzenedicarboxylic acid mixture (Proprietary):

Not established

Polyether polyol mixture (Proprietary):

Not established

Aromatic diamine (106264-79-3):

Not established

Phenyl mercuric neodecanoate (26545-49-3):

OSHA PEL: 0.1 mg/m³ (TWA)

ACGIH TLV: 0.1 mg/m³ (TWA)

Eye Protection Requirements: Safety goggles or glasses are recommended. Plastic face shield should be worn for complete face protection.

Skin Protection Requirements: Impermeable gloves should be worn. Employees should wash their hands and face before eating, drinking, or using tobacco products.

Ventilation/Respiratory Requirements: Exhaust ventilation recommended. An organic vapor cartridge or fresh air supplied respirator (NIOSH certified) may be necessary for certain applications. Consider the type of application, environmental concentrations, and other materials being used concurrently when determining respirator use and selection. Observe OSHA regulations for respirator use (29 CFR 1910.134).

Additional Protective Measures: Safety showers and eye wash stations should be easily accessible to the work area. Training is important. Follow all label precautions.

Section 9 - Physical and Chemical Properties

Flash Point/Method: 345°F (174°C) Pensky-Martens Closed Cup

Physical State: Liquid

Appearance and Odor: Clear, pale yellow; slight amine odor

Vapor Pressure: <1 mm Hg @ 68°F (20° C)

Specific Gravity (H₂O=1): 1.00

pH: N/A

Water Solubility: Slightly soluble

Boiling Point: N/A

Viscosity: 150 cps

% Volatile: < 0.6

V.O.C. (ref EPA meth 24): <6 g/l

Section 10 - Stability and Reactivity

Stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization will not occur.

Chemical Incompatibilities/Conditions to Avoid: Isocyanates, oxidizers, and mineral acids.

Hazardous Decomposition: N/A

Section 11- Toxicological Information

Animal Toxicity:

1,2-Benzenedicarboxylic acid mixture (Proprietary):

Not established

Polyether polyol mixture (Proprietary):

Not established

Aromatic diamine (106264-79-3):

LD50 Oral (rat): 1,515 mg/kg

LD50 Dermal (rabbit): >2,000 mg/kg

Phenyl mercuric neodecanoate (26545-49-3):

LD50 Oral (rat): 25-200 mg/kg

Section 12 - Ecological Information

Ecotoxicity:

1,2-Benzenedicarboxylic acid mixture (Proprietary):

Not established

Polyether polyol mixture (Proprietary):

Not established

Aromatic diamine (106264-79-3):

Not established

Phenyl mercuric neodecanoate (26545-49-3):

Toxic effect on bacteria, daphnia, fish and other aquatic organisms.

Section 13 - Disposal Considerations

Waste Disposal Method: Landfill burial or controlled incineration unless prohibited. Dispose of in compliance with federal, state, or local environmental control regulations.

Section 14 - Transport Information

DOT

Not regulated

IATA/ICAO

Not regulated

IMO/IMDG

Not regulated

Section 15 - Regulatory Information

U.S. Federal Regulations:
OSHA:

This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard.

SARA TITLE III:

Sections 311/312 Hazard Classification:

None

Section 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

Phenyl mercuric neodecanoate	CAS# 26545-49-3	0.25% (0.09 as Hg)
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TSCA: This product or its components are listed in or exempt from the TSCA inventory requirements.

This product contains the following substances subject to export notification under Section 12 (b) of TSCA:

None

State Regulation:

California Proposition 65: This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

Phenyl mercuric neodecanoate	CAS# 26545-49-3
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Section 16 - Other Information

Reason for Issue: Revised section 2, 3, 5, 8, 9, 11, 12 & 15

Prepared By: M. Rose

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