

Material Safety Data Sheet

SP-200 PART B

Date of Preparation: 11/05/2001

Revision: 11/05/2001

Section 1 - Chemical Product and Company Identification

Product Name: SP-200 PART B

Product Class: Polyurethane curing agent

Chemical Type: Polyol blend in diluents

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. Propoxylated amine based polyol | 102-60-3 | 75 |
| 2. Polyether polyol | 25190-06-1 | 12 |
| 3. Trimethylolpropane based polyol | 50586-59-9 | 5 |
| 4. N-Methylpyrrolidone | 872-50-4 | 2 |
| 5. Aromatic hydrocarbon | 64742-94-5 | 2 |
| 6. Butylene glycol | 110-63-4 | <2 |
| 7. Alkali metal silicoaluminates | Proprietary | <3 |

Trace Impurities: N/A

| Ingredient | OSHA PEL | | ACGIH TLV | | NIOSH REL | | NIOSH IDLH |
|------------|---------------------------------|------|---------------------------------|------|-----------|------|------------|
| | TWA | STEL | TWA | STEL | TWA | STEL | |
| #1 | NE | NE | NE | NE | NE | NE | NE |
| #2 | NE | NE | NE | NE | NE | NE | NE |
| #3 | NE | NE | NE | NE | NE | NE | NE |
| #4 | NE | NE | NE | NE | NE | NE | NE |
| #5 | 25 ppm | NE | 25 ppm | NE | NE | NE | NE |
| #6 | NE | NE | NE | NE | NE | NE | NE |
| #7 | 10 mg/m ³ as dust | NE | 10 mg/m ³ as dust | NE | NE | NE | NE |

Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

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

HMIS

H 2

F 2

R 0

PPE[†]

[†]Sec. 8

Potential Health Effects

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

Inhalation/Ingestion: Low hazard; not likely; possible respiratory irritation/possible gastric irritation.

Eye: May cause irritation and redness.

Skin: May cause irritation or redness with long term exposure.

Medical Conditions Aggravated by Long-Term Exposure: None determined.

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: >150°F (>66°C) S.E.T.A.

Extinguishing Media: Water spray, foam, or dry chemical extinguisher.

Unusual Fire or Explosion Hazards: None determined

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

Eye Protection Requirements: Liquid chemical goggles. Vapor resistant goggles should be worn when contact lenses are in use. In a splash hazard environment, chemical goggles should be used in combination with a full face-shield.

Skin Protection Requirements: Permeation resistant gloves (butyl rubber, nitrile rubber or polyvinyl alcohol). Note that PVA degrades in water. Cover as much of the exposed skin area as possible with appropriate clothing. If skin creams are used, keep the area covered by the cream to a minimum.

Ventilation Requirements: Local exhaust should be used to maintain levels below the TLV whenever MDI is processed, heated or spray applied. Standard reference sources regarding industrial ventilation (i.e., ACGIH Industrial Ventilation) should be consulted for guidance about adequate ventilation.

Respiratory Requirements: Concentrations greater than the TLV can occur when MDI is sprayed, heated or used in a poorly ventilated area. In such cases, or whenever concentrations of MDI exceed the TLV or are not known, respiratory protection must be worn. A fresh air hood with a positive pressure supply is recommended. In an emergency situation, a self-contained breathing apparatus may be used. MDI has poor warning properties, since the concentration at which MDI can be smelled is substantially higher than the maximum exposure limit. Observe OSHA regulations for respirator use (29 CFR 1910.134)

Monitoring: Isocyanate exposure levels may require monitoring.

Medical Surveillance: Persons with asthmatic-type conditions, chronic bronchitis, other chronic respiratory diseases or recurrent skin eczema or sensitization should be excluded from working with isocyanates. Once a person is diagnosed as sensitized to an isocyanate, no further exposure can be permitted.

Additional Protective Measures: Safety showers and eyewash stations should be available. Educate and train employees in safe use of product. Follow all label instructions.

Section 9 - Physical and Chemical Properties

Physical State: Viscous liquid

Appearance and Odor: Gray; slight amine odor

Vapor Pressure: 1 mm Hg at 77°F (25°C)

Specific Gravity (H₂O=1): 1.04

pH: N/A

Water Solubility: Moderately soluble

Boiling Point: Not determined

Viscosity: 1,350 cps @ 77°F (25°C)
350 cps @ 110°F (43°C)

% Volatile: 5.0

V.O.C. (ref EPA meth 24): 70 g/l

Section 10 - Stability and Reactivity

Stability: SP-200 PART B is 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, strong mineral acids and oxidizing agents.

Hazardous Decomposition: None

Section 11- Toxicological Information**No Toxicological Information Available****Section 12 - Ecological Information****No Ecological Information Available****Section 13 - Disposal Considerations****Waste Disposal Method:** 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 EPCRA Section 313 and 40 CFR Part 372:

N-Methylpyrrolidone CAS# – 872-50-4 2% (max)

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

Section 16 - Other Information**Reason for Issue:** Revised Section 3 & 9**Prepared By:** S.F. Marks**Approval Date:****Supersedes Date:** 10/09/2001**Disclaimer:** This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of BJB Enterprises, Inc. The data on this sheet relates only to the specific material designated herein. BJB Enterprises, Inc. assumes no legal responsibility for use or reliance upon these data.