

# Material Safety Data Sheet

## F-85 PART A

Date of Preparation: 04/11/2001

Revision: 04/11/2001

### Section 1 - Chemical Product and Company Identification

**Product Name:** F-85 PART A

**Product Class:** Polyurethane Resin

**Chemical Type:** Aromatic Diisocyanate Adduct, Alkyl Phthalate Mixture

**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. Dibutyl Phthalate	84-74-2	20
2. Diphenylmethane-Diisocyanate (MDI)	101-68-8	20

**Trace Impurities:** None

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
#1	NE	NE	NE	NE	NE	NE	NE
#2	0.02 ppm	NE	0.005 ppm	NE	NE	NE	NE

### Section 3 - Hazards Identification

#### ☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Color: translucent pale Yellow; Form: liquid; Odor: slight; May cause eye and skin irritation; Use in well ventilated areas; Avoid breathing vapors. Avoid contact with strong oxidizers and strong acids, as sudden reaction may result in fire and toxic fumes.

#### HMIS

H 2

F 1

R 1

PPE†

†Sec. 8

#### Potential Health Effects

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

**Eye:** May cause irritation.

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

**Inhalation/Ingestion:** Not likely. Excessive vapors caused by heat or spray mist can cause respiratory problems

**Carcinogenicity:** The components of this product are not listed by NTP, IARC, or regulated as a carcinogen by OSHA.

**Medical Conditions Aggravated by Long-Term Exposure:** None known

### 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 (low pressure) for 15 minutes. Obtain medical attention if irritation develops.

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

**Note to Physician:** Treat any ill effects symptomatically.

### Section 5 - Fire-Fighting Measures

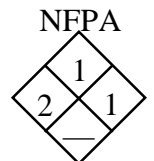
**Flash Point/Method:** >350°F (177°C) T.C.C.

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

**Unusual Fire or Explosion Hazards:** Avoid contact with strong oxidizers and strong acids, as sudden reaction may result in fire and toxic fumes.

**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. Avoid open container exposure to damp air.

**Handling/Storage Precautions:** 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 - Personal Protection

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

**Skin Protection Requirements:** Impermeable gloves. 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 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. Working training is important. Follow all label precautions.

## Section 9 - Physical and Chemical Properties

**Physical State:** Oily Liquid

**Appearance and Odor:** Translucent pale Yellow/slight

**Vapor Pressure:** <1.0mm Hg at 212°F (100°C)

**Vapor Density (Air=1):** N/A

**Specific Gravity (H<sub>2</sub>O=1):** 1.12 g/cc

**pH:** N/A

**Water Solubility:** very slight/reacts very slowly

**Boiling Point:** >482°F (250°C) @10 mm Hg

**Freezing/Melting Point:** ND

**Viscosity:** 500 cps

**% Volatile:** trace, under normal temperatures and pressures

**V.O.C. (per EPA ref meth. 24):** 1g/l

## Section 10 - Stability and Reactivity

**Stability:** F-85 PART A is stable at room temperature in closed containers under normal storage and handling conditions.

**Polymerization:** May occur. Product may foam when exposed to heat and moisture.

**Chemical Incompatibilities/Conditions to Avoid:** Moisture and acids/amines. Store product under inert atmosphere.

**Hazardous Decomposition:** Not established

## Section 11- Toxicological Information

No Toxicological Information Available

## Section 12 - Ecological Information

No Ecological Information Available

## Section 13 - Disposal Considerations

**Waste Disposal Method:** Landfill burial 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 EPCRA, Section 313 and 40 CFR Part 372:

Dibutyl Phthalate	CAS# 84-74-2	20% (max)
MDI	CAS# 101-68-8	20% (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 to Section 7

**Prepared By:** S.F. Marks

**Approval Date:** 08/27/2001

**Supersedes Date:** 10/09/2000

**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.