Material Safety Data Sheet

TC-808 PART A

Date of Preparation: 08/29/2001 Revision: 08/29/2001

Section 1 - Chemical Product and Company Identification

Product Name: TC-808 PART A
Product Class: Polyurethane resin
Chemical Type: Aromatic polyisocyanate
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. 4,4 Diphenylmethane diisocyanate, MDI	101-68-8	40 ± 5
2. Oligomers of MDI	NL	30 ± 5
3. Chlorinated paraffin	108171-27-3	0 - 30

Trace Impurities: N/A

	OSHA PEL		ACGIH TLV		NIOSH REL		OTHER
Ingredient	TWA	STEL	TWA	STEL	TWA	STEL	LIMITS
#1	0.02 ppm	N/E	0.005 ppm	N/E	N/E	N/E	0.02 ppm ceiling
#2	N/E	N/E	N/E	N/E	N/E	N/E	N/E
#3	N/E	N/E	N/E	N/E	N/E	N/E	N/E

Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Appearance: yellow liquid; Odor: aromatic, musty; May cause eye and skin irritation; Harmful if ingested; Burning material will generate hazardous fumes/gases of trace amounts of HCI (hydrochloric acid), CO, and HCN. Water contaminant may cause pressure build up in unsealed containers; Combustible.

HMIS
H 2
F 1
R 1
PPE†
†Sec. 8

Potential Health Effects

Primary Entry Routes: Eye and skin contact; inhalation of vapors, accidental ingestion.
Inhalation: Not likely. Excessive vapors caused by heat or spray mist can cause respiratory problems.
Ingestion: Not likely.
Eye: May cause irritation and redness.
Skin: May cause irritation and possible allergic sensitivity with repeated contact.
Medical Conditions Aggravated by Long-Term Exposure: Acute asthma or prior sensitization to isocyanates.

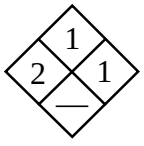
Section 4 - First Aid Measures

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. Wash contaminated clothing before use.

Section 5 - Fire-Fighting Measures

Flash Point/Method: 400°F (204°C) c.o.c.
Extinguishing Media: Water spray, foam, dry chemical extinguisher, or carbon dioxide (for class B fires).
Unusual Fire or Explosion Hazards: Burning material will generate fumes/gases of trace amounts of HCI (hydrochloric acid), CO, and HCN. Water contaminant may cause pressure build up in unsealed containers.

NFPA



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.

Decontamination Solution: Dilute household ammonia in mild detergent solution.

Section 7 - Handling and Storage

Handling Precautions: Avoid skin contact. Harmful if ingested. Avoid moisture contamination. Caution: Combustible.

Storage Requirements: Store in a cool, dry place away from excessive heat or ignition source 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: 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 Requirements: Use in a well-ventilated area. Local, mechanical exhaust preferred.

Respiratory Requirements: Normally not required in a well-ventilated area. 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: Liquid
Appearance and Odor: Yellow/aromatic, musty
Vapor Pressure: <0.001 mm Hg at 77°F (25°C)
Specific Gravity (H_2O=1): 1.20
pH: N/A

Water Solubility: Slowly reacts
Boiling Point: Decomposes
Freezing/Melting Point: N/A
Viscosity: 175 cps
% Volatile: None
V.O.C. (ref EPA meth 24): None

Section 10 - Stability and Reactivity

Stability: TC-808 PART A is stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization may occur with amines, epoxy hardeners, and high heat plus moisture.

Chemical Incompatibilities/Conditions to Avoid: Acids, oxidizers, amines and strong bases.

Hazardous Decomposition: Thermal oxidative decomposition of TC-808 PART A can produce HCI (hydrochloric acid), CO, and HCN.

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	IATA/ICAO	IMO/IMDG
Not regulated	Not regulated	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:

4,4 Diphenylmethane diisocyanate, MDI CAS Number - 101-68-8 45% 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 Sections 7 & 15
Prepared By: S.F. Marks
Approval Date: 08/29/2001
Supersedes Date: 01/21/1999

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