

Material Safety Data Sheet

WC-748 PART A

Date of Preparation: 08/24/2004

Revision: 08/24/2004

Section 1 - Chemical Product and Company Identification

Product Name: WC-748 PART A

Product Class: Polyurethane Resin

Chemical Type: Isocyanate terminated Polyglycol 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. Methylene bis(phenyl isocyanate)	101-68-8	<20
2. Diphenylmethane Diisocyanate (MDI)	26447-40-5	<20
3. Dicyclohexylmethane 4, 4'-diisocyanate	5124-30-1	<15
4. Prepolymer of MDI	068092-58-0	<15
5. Naphtha, light aromatic	64742-95-6	<2

Trace Impurities: N/A

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

Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Appearance: Clear liquid; Odor: Slight solvent odor; Moderate eye and skin irritant. May be harmful if inhaled. Harmful if swallowed. Avoid contact with strong acids and amines as sudden reaction may result in fire and toxic fumes. Combustion products are hazardous.

HMIS

H 3

F 1

R 1

PPE†

†Sec. 8

Potential Health Effects

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

Inhalation/Ingestion: Irritation to respiratory tract, acute or delayed asthmatic symptoms/possible corrosive to gastric tract.

Eye: May cause redness/irritation, possible tearing or burning sensation.

Skin: May cause irritation during chronic exposure. Rash may develop. Sensitization is possible in some individuals.

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 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

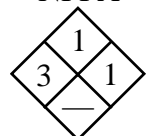
Flash Point/Method: 350°F (177°C) closed cup

Extinguishing Media: Dry Chemical; Carbon Dioxide; Foam; Water spray for large fires.

Unusual Fire or Explosion Hazards: Avoid contact with strong oxidizers and strong acids as sudden reaction may result in fire and toxic fumes. Combustion products are hazardous.

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.

NFPA



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 ammonia solution in water and detergent.

Section 7 - Handling and Storage

Handling Precautions: Avoid contact with eyes, skin and clothing. Avoid breathing vapor over open container. Avoid excessive heating. Avoid excessive exposure to open air.

Storage Requirements: Store containers in a cool, dry place. Keep container tightly closed. Water or humid air exposure may generate pressure in containers & degrade quality of this product.

Shelf life: 6 months from date of shipment in unopened containers when stored under manufacturers recommended conditions.

Section 8 - Exposure Controls / Personal Protection

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

Skin Protection Requirements: Impermeable gloves. Avoid skin contact during all handling and usage. Employees should wash their hands and face before eating, drinking, or using tobacco products.

Ventilation Requirement: Local exhaust or well-ventilated work area must be provided. Mechanical exhaust preferred.

Respiratory Requirement: Vapor TLV concentration must not be exceeded in work place. An organic vapor cartridge or fresh air supplied respirator may be necessary during any extensive handling, particularly when working with heated or curing material or spray operations. 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).

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Section 9 - Physical and Chemical Properties

Physical State: Moderately viscous liquid

Appearance/Odor: Clear to hazy/slight solvent odor

Vapor Pressure: <0.001 mm Hg at 77°F (25°C),
0.40 @ 300°F (149°C)

Specific Gravity (H₂O=1): 1.11

Water Solubility: nil, but reacts slowly

Boiling Point: decomposes

Viscosity: 600 cps

% Volatile: 1.4

V.O.C. (ref EPA meth 24): 15 g/l

Section 10 - Stability and Reactivity

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

Polymerization: May occur.

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

Hazardous Decomposition: Toxic fumes/gases may be generated during combustion or high heat exposure. Combustion products are hazardous.

Section 11- Toxicological Information

No toxicological information available

Section 12 - Ecological Information

No ecological information available

Section 13 - Disposal Considerations

Waste Disposal: Landfill burial or incineration, unless prohibited. Dispose of in accordance with all federal, state, and local regulations for chemical pollution control.

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:

Immediate, Delayed Health Hazard

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:

Dicyclohexylmethane-4, 4' diisocyanate	CAS# 5124-30-1	Wt. 15% (max)
Methylene bis(phenyl isocyanate)	CAS# 101-68-8	Wt. 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: New Issue

Prepared By: M. Rose

Approval Date: 08/24/2004

Supersedes Date: N/A

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.