



MATERIAL SAFETY DATA SHEET

PRODUCT: M745-3104
Type Product: Polyurethane Glue
Date Prepared: March 1, 1995
Revised: June 15, 2004

SUPPLIER:

Name & Address:
RPM, WFG.
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HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Chemical Identity: Polyisocyanate based on polymeric diphenylmethane di-isocyanate (MDI). CAS #101-68-8.

PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance & Odor:

EXCEL ONE: Brown Liquid. Odor to be neglected - slightly musty.

EXCEL XPRESS, EXCEL STRUCTAN & EXCEL 50/50: Opaque. Odor to be neglected.

Solubility in Water: Not soluble. Reacts slowly with water to liberate CO₂ gas.

Specific Gravity: ±1-15 g/cm³ for EXCEL ONE

±1.12 g/cm for EXCEL XPRESS & EXCEL. STRUCTAN

±1.52g/cm for EXCEL 50/50

Vapor Pressure: <0.00001 mbar @ 20°C.

FIRE & EXPLOSION DATA

FlashPoint: 94°C (200°F), Tag CC Method

Fire Extinguishing Media: Use dry chemical such as monoammonium phosphate, potassium sulfate, potassium chloride/CO₂,

Special Fire Fighting Procedures: Use water spray for large fires. Full emergency equipment with self-contained breathing apparatus should be worn. Carbon monoxide, nitrogen oxide, and isocyanate vapors may be released during fires.

Other Fire and Explosion Hazards: At temperatures greater than 204°C, polymeric MDI can cause pressure-build in closed containers. Explosive rupture is possible. Use cold water to cool exposed containers.

REACTIVITY DATA

Stability: Stable I Conditions to Avoid: Keep product away from oxidizing agents, strong alkaline and acidic products.

HEALTH HAZARD DATA

Health Hazards: Product reacts with skin protein & tissue moisture and can cause localized irritation. Prolonged contact can cause skin sensitization resulting in dermatitis.

Carcinogenicity: No conclusive evidence has indicated that polymeric MDJ is carcinogenic.

Signs & Symptoms of Exposure: Irritation of the mucous membrane in the respiratory tract. Runny nose. Sore throat. Productive cough. These effects are usually reversible.

Medical Conditions aggravated by Exposure: Persons with pre-existing asthmatic bronchial hyperactivity are isocyanate hypersensitive and should not be exposed to product.

Emergency &- First Aid Procedures:

Ingestion: Do not induce vomiting. Drink milk or water and contact physician

Eye Contact: Flush eyes with water for at least 15 min.

Inhalation: Move to fresh air.

Skin contact: Wash thoroughly with plenty of soap and water.

PRECAUTIONS FOR SAFE HANDLING & USE

Spillage or Release: Uncured product should be removed with sawdust, vermiculite, or sand. Pour decontamination solution (98% water, 2% detergent) over spillage area and collect material in open container after 10-15 minutes.

Keep containers open for several days. Do not release into enclosed environment use reciprocating systems.

Waste Disposal Method: In accordance with federal, state, and local industrial waste regulations.

Handling & Storing: Keep containers tightly closed and dry while storing. Storage temperatures should be between +10°C and 50°C. Use in well ventilated area. Avoid eye and skin contact.

CONTROL MEASURES

Respiratory Protection: Use air-supplied respirator during long-term (more than 1 hr.) exposure if TLV is above 0.02 ppm.

Ventilation: Exhaust to insure TLV levels of less than 0.02 ppm.

Protective Gloves: Use natural rubber or PVA chemical-resistant glove.

Eye Protection: Wear safety glasses or face shield. Do not use product while wearing contact lens.

Work/Hygienic Practices: Education and training for safe use. Shower and eyewash stations should be available

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