JAN 22 1982

DPM 1370

MATERIAL SAFETY DATA SHEET

NPCA 1-72

FOR COATINGS, RESINS AND RELATED MATERIALS

(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA-20)

DATE OF PREP. 3/10/77

Section I

MANUFACTURER'S NAME Ram Chemicals Division - Whittaker Corporation

STREET ADDRESS 210 E. Alondra Blvd. CITY, STATE, AND ZIP CODE Gardena, CA. 90248

EMERGENCY TELEPHONE NO. (213) 321-0710

PRODUCT CLASS Curing Agent MANUFACTURERS CODE IDENTIFICATION

TRADE NAME Meta-phenylene Diamine (CL Catalyst)

Section II — HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT	TLV PPM	TLV mg/m³	LEL	VAPOR PRESSURE
Meta-Phenylene Diamine	100				1mm/212°F

Section III — PHYSICAL DATA

BOILING RANGE 377°F VAPOR DENSITY [X] HEAVIER, [ ] LIGHTER, THAN AIR

EVAPORATION RATE [ ] FASTER [ ] SLOWER, THAN ETHER PERCENT VOLATILE BY VOLUME N.A. WEIGHT PER GALLON 9.5 lbs

Section IV — FIRE AND EXPLOSION HAZARD DATA

DOT CATEGORY Poisonous Solid, N.O.S. Poison B FLASH POINT 280°F (open cup) LEL

EXTINGUISHING MEDIA Water, CO_2, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS If exposed to fire or intense heat, toxic fumes may be generated. Complete body protection may be required.

SPECIAL FIRE FIGHTING PROCEDURES

Section V — HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE 0.1 mg/cu.m. (for similar product, p-Phenylene Diamine)

EFFECTS OF OVEREXPOSURE Exposure to dust or vapors may cause skin or eye irritation. Thermal burns may result from contact with molten material.

EMERGENCY AND FIRST AID PROCEDURES Wash exposed parts of body with copious amounts of water. Obtain medical attention.

Section VI — REACTIVITY DATA

STABILITY [ ] UNSTABLE [X] STABLE CONDITIONS TO AVOID

INCOMPATABILITY (*Materials to avoid*) Oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS Oxides of nitrogen

HAZARDOUS POLYMERIZATION [ ] MAY OCCUR [X] WILL NOT OCCUR

CONDITIONS TO AVOID

Section VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Use necessary body protection to prevent contact with material. Clean up area, followed by thorough washing to remove residiual material.

WASTE DISPOSAL METHOD Waste material may be incinerated with proper precautions.

Section VIII — SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION Use suitable dust respirator.

VENTILATION Local exhaust.

PROTECTIVE GLOVES Rubber gloves

EYE PROTECTION Side shield safety glasses

OTHER PROTECTIVE EQUIPMENT Where exposure is likely, protective rubber clothing should be used.

Section IX — SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

OTHER PRECAUTIONS Use normal care to prevent body contact when handling material.