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MATERIAL SAFETY DATA SHEET
FOR COATINGS, RESINS AND RELATED MATERIAL

Manufactured for:

The Eastwood Company
PO Box 296
Malvern, PA 19355

FOR CHEMICAL EMERGENCIES CALL:
CHEMTREC (DAY OR NIGHT):
(800) 424-9300

PREPARATION DATE: JANUARY 1998 (Supersedes All Others)

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME: Translucent Orange

PRODUCT NO: 10158

PRODUCT CLASS: POLYURETHANE POWDER
DOT NAME CLASS & NUMBER:
PAINT POWDER / NO DOT
HMIS CODE: 110E*

SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENT:	CAS #	WT.%	ACGIH TLV-TWA	OSHA PEL
NUISANCE DUST	N/A	100%	10mg/M3	N/A
BLOCKED POLYISOCYANATE	N/A	10-30%	N/A	N/A
ACRYLIC OLIGOMER	N/A	01-5%	N/A	N/A

*Specific ingredients in this product may warrant more stringent precautions. See Section 5 for more information.

SECTION 3 - PHYSICAL AND CHEMICAL CHARACTERISTICS

MELTING POINT, DEGREES C: 90 - 120
SPECIFIC GRAVITY: >1.2
VOLATILES BY WEIGHT: <1% (EPA Reference Method 24
[ASTM D-2369-89
Measured volatiles are absorbed water.
SOLUBILITY IN WATER: Negligible
APPEARANCE: Finely divided powder.
ODOR: Slight, if any odor.

SECTION 4 - PHYSICAL HAZARDS

FLASH POINT: Not Applicable
LOWER EXPLOSIVE LIMIT (LEL): 30 - 70 gms/M3
EXTINGUISHING MEDIA: Foam, Carbon Dioxide, Water, Dry Chemical.

SPECIAL FIRE FIGHTING PROCEDURE:
Products of combustion may be toxic; avoid breathing fumes. Fire fighters should be equipped with self-contained breathing apparatus. Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure, NIOSH listed self-contained breathing apparatus. Cool fire exposed containers with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
Dust can form an explosive mixture with air. Elimination of sources of ignition is essential.

INCOMPATIBILITY (Materials to avoid):
Strong oxidizing agents, acids.

HAZARDOUS DECOMPOSITION PRODUCTS:
The materials are normally stable and decompose only in extreme cases such as fire. Oxides of nitrogen and carbon are the expected products of combustion in the presence of large amounts of mixture of organic compounds. This mixture will be as hazardous as the normal fire gases associated with poorly ventilated combustion.

SECTION 5 - HEALTH HAZARDS

LOCKED POLYISOCYANATE:
Inhalation of vapors generated during the curing process should be avoided. Neat material is essentially nonhazardous at ambient temperatures, but normal curing conditions, i.e., 120 C to 200 C, may lead to the production of trace amounts of free isocyanate. Caprolactam is released during cure. Caprolactam dust or vapors may cause central nervous system effects at levels greater than 1mg/M3 for dust or 10ppm for vapors. Isocyanates may produce dermal or respiratory sensitization. Adequate oven ventilation is essential. Do not vent curing oven exhausts into the workplace or other areas of potential human contact. ACGIH TLV for isocyanates = 0.005 ppm. ACGIH TLV for caprolactam - 1mg/M3 for dusts and 5 ppm for vapors. OSHA Pel for Caprolactam = 1mg/M#, TWA,3mg/M# STEL for dusts and 20mg/M3 TWA, 40mg/M3 STEL for vapors. Caprolactam has been identified as a Hazardous Air Pollutant in the Clean Air Act Amendments of 1990.

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ACRYLIC OLIGOMER:

Eye or skin contact may cause mild irritation. Overexposure may cause respiratory irritation and coughing or mild skin irritation. effect of acute inhalation is temporary discomfort, with the effects of chronic overexposure unknown. Other health hazard data: Oral LD50> =500mg/kg (non-toxic).

NUISANCE DUST:

Nuisance dusts are not expected to cause significant organic disease or toxic effects when exposures are controlled to the limits stated in Section 2. The (ACGIH) suggests that excessive concentrations of nuisance particulates in the workplace "may seriously reduce visibility, may cause unpleasant deposits in the eyes and nasal passages, or cause injury to the skin or mucous membranes by chemical or mechanical action, or by the rigorous skin cleansing procedures necessary for their removal." We suggest Pel or TLV exposure limits of 10mg/M3 of total dust and 5mg/M3 respirable dust.

SECTION 6 - FIRST AID PROCEDURES

FIRST AID:

If an adverse reaction occurs after exposure, promptly start the recommended procedures below. Seek medical attention if further treatment is required.

INGESTION:

If a large amount of this material is swallowed, give several glasses of water. Contact medical personnel for further assistance. If unconscious or convulsing, do not give anything by mouth.

EYE CONTACT:

Flush eyes with plenty of running water for at least 15 minutes. Hold the eye lids apart during the flushing to ensure the rinsing of the entire surface of the eye and lids with water. Seek medical attention is eye irritation occurs.

SKIN CONTACT:

Flush all affected areas with plenty of water for several minutes. Remove and clean any contaminated clothing and shoes. Seek medical attention if skin irritation occurs.

INHALATION:

If inhaled remove to fresh air. Seek medical attention if respiratory irritation occurs or if breathing becomes difficult.

SECTION 7 - SPECIAL PRECAUTIONS & CONTROL MEASURES

ORK AREA & EQUIPMENT:

NTILATION:

Sufficient local exhaust ventilation to stay below regulated exposure limits is required for dust and fume conditions. Ventilation equipment, baghouse and cyclone dust collection system, to be explosion proof and grounded. Curing ovens should be properly vented to prevent fumes from entering the workplace.

PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION:

Use NIOSH/MSHA approved respirator equipped with a HEPA filter or an appropriate respiratory device for particulates and fumes.

EYE PROTECTION:

Dust-proof goggles are recommended for use in areas containing particulate matter. Safety glasses are recommended for general industrial areas.

PROTECTIVE GLOVES:

Permeation resistant gloves are recommended for prolonged and/or repeated contact with powder.

OTHER PROTECTIVE EQUIPMENT: Wear appropriate, clean protective clothing such as, but not limited to, coveralls, smocks, aprons, shoes and/or hats to minimize contact with skin and street clothes.

ENVIRONMENTAL MONITORING:

Personal air sampling or related procedures are recommended to assure the concentration of particulate mater in the workplace is below standards.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Use vacuum equipment approved for use in collecting dusts in hazardous locations. If sweeping, sweep carefully to minimize dusting. Uncontaminated material may be scooped up for use. If contaminated, material should be placed in a receptacle for disposal.

WASTE DISPOSAL METHOD:

Place collected material into a closed container and dispose in suitable landfill in accordance with local, state and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

As with all powders there is a potential dust hazard. Handle in such a manner as to minimize concentration for dust in the work place environment. Prevent inhalation and skin contact of power, do not eat food or smoke in powdered environment. After exposure to powder, wash thoroughly before eating or smoking. Avoid inhalation of fumes during cure. Protect containers from physical damage. Keep powder away from heat, sparks and open flames. Store powder in a dry location below 70 degrees or less.

TION 8 - OTHER REGULATORY INFORMATION

A TITLE III, SECTION 313 ANNUAL REPORTING

This product does not contain reportable amounts of chemicals subject to annual Sara reporting.

CALIFORNIA PROPOSITION 65

Unless specifically identified in Section 5 of this MSDS, no component has been added to or used in this product which has been determined by the State of California to cause cancer, birth defects or other reproductive harm. However, this product may contain certain naturally occurring substances containing trace impurities which nay be on the California List or may contain synthesized chemicals which could contain trace amounts of such substances.

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SECTION 9 - USERS RESPONSIBILITY & DISCLAIMER OF LIABILITY

A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe work place, all aspects of an individual operation should be examined to determine if, or where, precautions are required. Any health hazard and safety information contained herein should be passed on to your customers or employees, as the case may be. We must rely on the user to utilize the information we have supplied to develop work practice guidelines and employee instructional programs for the individual operation.

DISCLAIMER OF LIABILITY

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