

MATERIAL SAFETY DATA SHEET (E/S/10/02)

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SECTION I - IDENTIFICATION OF PRODUCT AND COMPANY:

PRODUCT IDENTIFIER: ENAMO GRIP

MANUFACTURER: SUPERIOR PRODUCTS INT'L II, INC.

ADDRESS: 10835 W. 78th St., Shawnee, KS 66214

PRODUCT USE: Applied over surfaces to provide a tough, protective topcoat

EMERGENCY TELEPHONE NUMBER: 800/424-9300; 202/483-7616

SECTION II - HAZARDOUS INGREDIENTS:

<u>HAZARDOUS INGREDIENTS</u>	<u>%</u>	<u>CAS/PIN</u>	<u>LD₅₀(Species/Route)</u>	<u>LC₅₀ (Species)</u>
n-butyl acetate	15.00	123-86-4	NAV	NAV
methylisobutyl	8.87	108-10-1	NAV	NAV
ketone toluol	9.58	108-88-3	NAV	NAV
ethyl 3-ethoxypropionate	5.57	763-69-9	NAV	NAV
ethyl acetate	12.97	141-78-6	NAV	NAV
homopolymer of HDI	13.00	28182-81-2	NAV	NAV

SECTION III - HAZARD IDENTIFICATION:

The product is a flammable, solvent-based epoxy and should be treated according to all known safety precautions. Refer to Section VII for Storage and Handling recommendations, Section VIII for Personal Protection, Section XIV for transport.

SECTION IV - FIRST AID MEASURES:

INHALATION: Remove to fresh air. Give oxygen if required. Seek medical help.

EYES: Flush w/clear water for 15-20 minutes, occasionally lifting eyelids.
See physician.

SKIN: Remove contaminated clothing. Wash affected areas & clothing w/mild soap & water.

INGESTION: Do not induce vomiting. Give 1-2 glasses milk or water. Seek medical attention according to amount of product ingested.

SECTION V - FIREFIGHTING MEASURES:

CONDITIONS OF FLAMMABILITY: Spraying or other activities to create finely divided droplets around open flame/sparks

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, aldehydes, fumes

AUTOIGNITION TEMP.: 350C. degrees **FLASH POINT & METHOD:** 35F. TCC

FLAMMABLE LIMITS: (Lower) 1.4% **(Upper)** 7.6%

SENSITIVITY TO STATIC DISCHARGE? NAV

SENSITIVITY TO MECHANICAL IMPACT? NAV

SPECIAL PROCEDURES: Firefighters should wear full-body protection & SCBA

MEANS OF EXTINCTION: Foam, water spray (fog), dry chemical, carbon dioxide

SECTION VI - ACCIDENTAL RELEASE MEASURES: Ventilate the area, control spill by covering w/sawdust or similar agent. Pour decontamination solution over spill (non-ionic surfactant Union Carbide's Tergitol TMN-10 (20%) + water (80%))

SECTION VII - HANDLING AND STORAGE:

Storage Requirements: Maintain temperature between 32-122F. degrees; average shelf life is 12 months @ 77F. degrees.

Handling Procedures/Equipment: Ground all containers; use non-sparking tools.

NAP = Not Applicable

NAV = Not Available

SECTION VII - EXPOSURE CONTROLS AND PERSONAL PROTECTION:

Personal Protective Equipment: Half-face respirator w/organic vapor filter, safety glasses w/shields, PVA or nitrile chemical-resistant gloves, skin protection

Engineering Controls: Mechanical exhaust fans

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE: LIQUID

APPEARANCE AND ODOR: Various colors, liquid, ester solvent odor

SOLUBILITY IN WATER: Insoluble

FREEZING POINT: NAP **BOILING POINT:** NAV **pH:** NAP

SPECIFIC GRAVITY: 1.0 **ODOR THRESHOLD:** NAV

COEFF. WATER/OIL: NAV **EVAPORATION RATE:** 1%

VAPOUR DENSITY (Air = 1): 1 +/- **VAPOUR PRESSURE:** NAV

SECTION X - STABILITY AND REACTIVITY DATA:

CONDITIONS OF REACTIVITY: By high heat or fire

CHEMICAL INCOMPATIBILITY: Amines, strong bases, alcohols

CONDITIONS OF INSTABILITY: Stable, under normal conditions

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide, oxides of nitrogen **CORROSIVE BEHAVIOR?** NO

SECTION XI - TOXICOLOGICAL PROPERTIES:

ROUTES OF ENTRY:SKIN CONTACT **X** EYE CONTACT **X** INHALATION **X**

SYNERGISTIC PRODUCTS NAV **EXPOSURE LIMITS:** NAV

EFFECTS OF ACUTE EXPOSURE: Burning sensation on mucous membranes & respiratory tract. Flu-like symptoms (fever and chills).

EFFECTS OF CHRONIC EXPOSURE: Chemical asthma - chest tightness, wheezing, coughing, shortness of breath. Can cause lung damage.

MUTAGENICITY: NAV **CARCINOGENICITY:** NAV

IRRITANCY: Burning sensation **TERATOGENICITY:** NAV

REPRODUCTIVE TOXICITY: NAV

SENSITIZATION: Can cause future reaction to lesser amounts

SECTION XII - ENVIRONMENTAL INFORMATION:

Air: 3.75 lbs./gallon; 446 grams per liter V.O.C. (white); 526-black

Water: Insoluble in water

Soil: Lead- and chromate-free/not hazardous under RCRA 40CFR

SECTION XIII - WASTE DISPOSAL: Incineration preferred. Dispose of in accordance with federal, state and local government regulations.

SECTION XIV - TRANSPORT INFORMATION: Classified a hazardous material (Class 3//UN1263//P.G. II), and should be marked and handled according to specific regulations. Tariff code: 3208.90.0000

SECTION XV - REGULATORY INFORMATION: Materials listed under Superfund Amendments & Reauthorization Act of 1988 (SARA) 302, 304, 311, 312, 313: Methyl Isobutyl Ketone (CAS 108-10-1), Toluol (CAS 108883)

SECTION XVI - OTHER INFORMATION: NAV

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SECTION IX - PREPARATION INFORMATION:

PREPARED BY: J. Pritchett, Superior Products Int'l II, Inc. DATE: 4/25/06

NAP = Not Applicable

NAV = Not Available