

MATERIAL SAFETY DATA SHEET (ST/11/00)

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SECTION I - IDENTIFICATION OF THE PRODUCT AND THE COMPANY:

PRODUCT NAME: Super Therm

RECOMMENDED USE: Insulation coating to create thermal barrier on substrates

MANUFACTURER: Superior Products International II, Inc.

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

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

SECTION II - COMPOSITION & INFORMATION ON INGREDIENTS:

Fire retardant - 6% Mica/Additives - 14% Acrylic & Urethane Resin - 49%
Insulator - 17% Titanium Dioxide - 6% Water - 8%

SECTION III - HAZARD IDENTIFICATION: This product is water-based and not classified as dangerous for supply or conveyance. The ingredients are water-reduceable and the limit on the ethylene glycol is less than 3% of formula, which falls well within acceptable safety limits. This product has been analyzed for use in and around food manufacturing and found to be safe for use on non-contact surfaces. No toxics nor toxic off-gassing are present.

SECTION IV - FIRST AID MEASURES:

EYES: Flush with water for at least 15 minutes; consult physician if irritation continues.

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

SKIN: Wash with mild soap and water.

INHALATION: Remove to fresh air.

SECTION V - FIRE FIGHTING MEASURES:

CONDITIONS OF FLAMMABILITY: Not flammable; water-based product

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, methacrylate and other noxious gases

AUTOIGNITION TEMP.: NAP MINIMUM IGNITION ENERGY: NAV

FLAMMABLE LIMITS: (Lower) NAP% (Upper) NAP% FIRE POINT: NAV

FLASH POINT & METHOD: NAP SENSITIVITY TO MECHANICAL IMPACT? No

SENSITIVITY TO STATIC DISCHARGE? No

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

MEANS OF EXTINCTION: Water, water fog, dry chemical, foam or CO2

SECTION VI - ACCIDENTAL RELEASE MEASURES: Use kitty litter, sand or other to control spread and absorb liquid.

SECTION VII - HANDLING AND STORAGE:

STORAGE REQUIREMENTS: Keep from freezing. Store below 50C, degrees. Keep container closed tightly to prevent drying out.

HANDLING PROCEDURES/EQUIPMENT: Treat as paint product. Use ventilation and protective equipment to suit conditions of use. Use soap and water for clean-up.

SECTION VIII - EXPOSURE CONTROLS AND PERSONAL PROTECTION:

PERSONAL PROTECTIVE EQUIPMENT: Avoid inhalation of liquid when applying. Use particulate respirator.

ENGINEERING CONTROLS: Use mechanical ventilation to control aerosol or mist if product is sprayed.

NAP = Not Applicable

NAV = Not Available

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE: Liquid SOLUBILITY IN WATER: soluble/miscible
APPEARANCE AND ODOR: white color, mild acrylic odor
FREEZING POINT: 30F. degrees BOILING POINT: 192C degrees pH: 8
SPECIFIC GRAVITY: 1.4 ODOR THRESHOLD: 0.08-25ppm
COEFF. WATER/OIL: NAV VAPOUR PRESSURE: 17 mmHg @ 20C degrees
VAPOUR DENSITY (Air=1): 2.1
EVAPORATION RATE: slow% VOLATILES: less than 5

SECTION X - STABILITY AND REACTIVITY:

CONDITIONS OF REACTIVITY: stable CONDITIONS OF INSTABILITY: stable
CHEMICAL INCOMPATIBILITY: strong acids or bases
HAZARDOUS DECOMPOSITION PRODUCTS: none known, no hazardous
polymerization
CORROSIVE BEHAVIOR? no

SECTION XI - TOXICOLOGICAL INFORMATION:

ROUTES OF ENTRY: SKIN CONTACT ___ SKIN ABSORPTION ___ EYE CONTACT X
INHALATION ___ INGESTION X SYNERGISTIC PRODUCTS None Known
EXPOSURE LIMITS: ethylene glycol C50 ppm (ACGIH); mica 3 mg/m3 (ACGIH)
EFFECTS OF ACUTE EXPOSURE: liquid splash could result in eye or nose irritations
and/or headache
EFFECTS OF CHRONIC EXPOSURE: excessive exposure to liquid product may result
in minor irritations
MUTAGENICITY: some evidence; glycol
TERATOGENICITY: developmental abnormalities; glycol--no effect in finished
product
REPRODUCTIVE TOXICITY: teratogenicity (glycol) -- no effect in finished product
CARCINOGENICITY: ingredients not listed
SENSITIZATION: not expected
IRRITANCY: possible skin or eye irritation if not washed off

SECTION XII - ENVIRONMENTAL INFORMATION:

Air -this product is environmentally-friendly and poses no threat to the air.
Water-the resins will be diluted and dissipate when flushed with water.
Soil -the resin contents are biodegradable in ground acids over a period of time.
No ecological hazards are known to exist.

SECTION XIII - WASTE DISPOSAL: Product spill should be contained by previously
described absorption methods, and dried product disposed of as normal
industrial waste according to all federal, state or governmental regulations.

SECTION XIV - TRANSPORT INFORMATION: The only restriction to carriage is for
protection against freezing. Contents are water-based.

SECTION XV - REGULATORY INFORMATION: Regulatory agency controls and
restrictions are minimal regarding conveyance or use of water-based
products other than what has been specifically addressed.

SECTION XVI - OTHER INFORMATION: NAP