

MATERIAL SAFETY DATA SHEET

Verta Kote 2000

FILE NO.:
MSDS DATE: FF/€J/20FG

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Verta-Kote 2000 (Part A)

SYNONYMS:

PRODUCT CODES:

MANUFACTURER: Superior Industries, Inc

DIVISION:

ADDRESS:6180 Airways Blvd; Chattanooga, TN 37421

EMERGENCY PHONE: 800-476-2072

OTHER CALLS: 423-899-0467

FAX PHONE: 423-899-0421

CHEMICAL NAME: n/a

CHEMICAL FAMILY: epoxy resin

CHEMICAL FORMULA: n/a

PRODUCT USE: epoxy coating

PREPARED BY: P. Meyer

SECTION 1 NOTES:

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT:</u>	<u>CAS NO.</u>
Epoxy resin	25068-38-6
Ethylhexyl Glycidyl Ether	002461-15-6
Ethylhexanol	000104-76-7

SECTION 2 NOTES:

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

POTENTIAL HEALTH EFFECTS/ROUTES OF ENTRY:

EYES: YES

SKIN: YES

INGESTION: YES

INHALATION: YES

ACUTE HEALTH HAZARDS:

CHRONIC HEALTH HAZARDS:

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Irritant to eyes, skin & respiratory systems. Prolonged contact may or may not result in chemical burns. Repeated handling may cause dermatitis and allergies.

CARCINOGENICITY

OSHA: no

ACGIH: n/a

NTP: n/a

IARC: n/a

OTHER:

SECTION 3 NOTES:

SECTION 4: FIRST AID MEASURES

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EYES: wash for 15 minutes with running water and call a physician.

SKIN: wash with soap and water

INGESTION: if ingested, drink 3-4 glasses of milk or water

INHALATION: move patient to fresh air. Prevent aspiration of vomit. Turn victim's head to the side. Seek medical advice.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: (H O=1):1.55@68F
(% BY VOLUME) **LOWER:**

FLASH POINT: PMCC240 F

F: PMCC280F

C:

METHOD USED:

NFPA HAZARD CLASSIFICATION

HEALTH: 2

FLAMMABILITY: 1

REACTIVITY: 0

OTHER:

EXTINGUISHING MEDIA: water fog, carbon dioxide or dry chemicals

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus. Keep cool with water fog

UNUSUAL FIRE AND EXPLOSION HAZARDS: n/a

HAZARDOUS DECOMPOSITION PRODUCTS: n/a

SECTION 5 NOTES:

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: stop leak, pump to salvage area or tank. Absorb remaining on paper, sand, clay, earth, vermiculite, floor absorbent or other absorbent materials. Shovel into containers.

WASTE DISPOSAL METHOD: Use federal, state and local approved methods

SECTION 6 NOTES:

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: wear protective boots, goggles and long sleeve shirts & long pants to protect skin and eyes. Gloves are also to be worn.

OTHER PRECAUTIONS: provide ventilation from exhaust fans

SECTION 7 NOTES:

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

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VENTILATION : provide ventilation from exhaust fans

FILE NO.:
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RESPIRATORY PROTECTION: NIOSH approved organic vapors cartridge mask

EYE PROTECTION: safety glasses

SKIN PROTECTION: long sleeve shirts, long pants and boots

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WORK HYGIENIC PRACTICES: isolated contact with skin can be cleaned off the skin by the use of waterless hand cleaners followed by washing with soapy water. Rinse & dry with paper towels. DO NOT use solvent

EXPOSURE GUIDELINES:

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Viscous liquid, clear

ODOR: sweet odor

PHYSICAL STATE: mobile liquid

pH AS SUPPLIED: n/a

pH (Other):

BOILING POINT:

F:

C:

MELTING POINT:

F:

C:

FREEZING POINT:

F:

C:

VAPOR PRESSURE (mmHg):

@ 70F

F:

C:

VAPOR DENSITY (AIR = 1):

@

F:

C:

SPECIFIC GRAVITY (H2O = 1):

@

F:

C:

EVAPORATION RATE:

BASIS (=1):

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

SOLUBILITY IN WATER: insoluble (<0.1%)

PERCENT SOLIDS BY WEIGHT:

PERCENT VOLATILE:

BY WT/ BY VOL @

F:

C:

VOLATILE ORGANIC COMPOUNDS (VOC):

WITH WATER: LBS/GAL
WITHOUT WATER: LBS/GAL

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MOLECULAR WEIGHT:
VISCOSITY:
@

F:
C:

FILE NO.:
MSDS DATE: FF /€J/20FG

SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

STABLE

UNSTABLE

STABILITY: stable

CONDITIONS TO AVOID (STABILITY):

INCOMPATIBILITY (MATERIAL TO AVOID): mineral acids

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: carbon monoxide in a fire. Ammonia when heated.

HAZARDOUS POLYMERIZATION: will not occur

CONDITIONS TO AVOID (POLYMERIZATION):

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

RCRA HAZARD CLASS:

SECTION 13: DISPOSAL CONSIDERATIONS (con't)

SECTION 13 NOTES: comply with all federal, state and local regulations

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME:
HAZARD CLASS:
ID NUMBER:
PACKING GROUP: I
LABEL STATEMENT:

WATER TRANSPORTATION

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PROPER SHIPPING NAME:
HAZARD CLASS:
ID NUMBER:
PACKING GROUP:
LABEL STATEMENTS:

FILE NO.:
MSDS DATE: FF /€J/20FG

AIR TRANSPORTATION

PROPER SHIPPING NAME:
HAZARD CLASS:
ID NUMBER:
PACKING GROUP:
LABEL STATEMENTS:

OTHER AGENCIES:

SECTION 14 NOTES:

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT):

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

311/312 HAZARD CATEGORIES:

313 REPORTABLE INGREDIENTS:

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SECTION 15 NOTES:

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

PREPARATION INFORMATION:

DISCLAIMER:

MATERIAL SAFETY DATA SHEET

Verta Kote 2000

FILE NO.:
MSDS DATE: FF /€J/20FG

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Verta Kote 2000 (Part B)

SYNONYMS:

PRODUCT CODES:

MANUFACTURER: Superior Industries, Inc

DIVISION:

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EMERGENCY PHONE: 800-476-2072

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FAX PHONE: 423-899-0421

CHEMICAL NAME: n/a

CHEMICAL FAMILY: epoxy hardener

CHEMICAL FORMULA: n/a

PRODUCT USE: epoxy coating

PREPARED BY: P Meyer

SECTION 1 NOTES:

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT: Methylenebis(cyclohexanamine,4,4) **CAS NO.** 1761-71-3
Nonyl Phenol 25154-52-3

SECTION 2 NOTES:

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

POTENTIAL HEALTH EFFECTS/ROUTES OF ENTRY:

EYES: YES

SKIN: YES

INGESTION: YES

INHALATION: YES

ACUTE HEALTH HAZARDS:

CHRONIC HEALTH HAZARDS:

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Irritant to eyes, skin & respiratory systems. Prolonged contact may or may not result in chemical burns. Repeated handling may cause dermatitis and allergies.

CARCINOGENICITY

OSHA: no

ACGIH: n/a

NTP: n/a

IARC: n/a

OTHER:

SECTION 3 NOTES:

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Verta Kote 2000

FILE NO.:
MSDS DATE: FF /€J/20FG

SECTION 4: FIRST AID MEASURES

EYES: wash for 15 minutes with running water and call a physician.

SKIN: wash with soap and water

INGESTION: if ingested, drink 3-4 glasses of milk or water

INHALATION: move patient to fresh air. Prevent aspiration of vomit. Turn victim's head to the side. Seek medical advice.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: (H O=1):1.55@68F
(% BY VOLUME) **LOWER:**

FLASH POINT: PMCC240 F

F: PMCC240F

C:

METHOD USED:

NFPA HAZARD CLASSIFICATION

HEALTH: 3

FLAMMABILITY: 1

REACTIVITY: 0

OTHER:

EXTINGUISHING MEDIA: water fog, carbon dioxide or dry chemicals

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus. Keep cool with water fog

UNUSUAL FIRE AND EXPLOSION HAZARDS: n/a

HAZARDOUS DECOMPOSITION PRODUCTS: n/a

SECTION 5 NOTES:

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: stop leak, pump to salvage area or tank. Absorb remaining on paper, sand, clay, earth, vermiculite, floor absorbent or other absorbent materials. Shovel into containers.

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SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: wear protective boots, goggles and long sleeve shirts & long pants to protect skin and eyes. Gloves are also to be worn.

OTHER PRECAUTIONS: provide ventilation from exhaust fans

SECTION 7 NOTES:

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

FILE NO.:
MSDS DATE: FF /€J/20FG

ENGINEERING CONTROLS:

VENTILATION : provide ventilation from exhaust fans

RESPIRATORY PROTECTION: NIOSH approved organic vapors cartridge mask

EYE PROTECTION: safety glasses

SKIN PROTECTION: long sleeve shirts, long pants and boots

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WORK HYGIENIC PRACTICES: isolated contact with skin can be cleaned off the skin by the use of waterless hand cleaners followed by washing with soapy water. Rinse & dry with paper towels. DO NOT use solvent

EXPOSURE GUIDELINES:

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Viscous liquid,

ODOR: ammonia

PHYSICAL STATE: mobile liquid

pH AS SUPPLIED: Alkaline

pH (Other):

BOILING POINT:

F: 608

C: 320

MELTING POINT:

F:

C:

FREEZING POINT:

F:

C:

VAPOR PRESSURE (mmHg):

@ 70F

F: <0.10

C:

VAPOR DENSITY (AIR = 1):

@

F:

C:

SPECIFIC GRAVITY (H2O = 1):

@

F:

C:

EVAPORATION RATE:

BASIS (=1):

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

SOLUBILITY IN WATER: insoluble (<0.1%)

PERCENT SOLIDS BY WEIGHT:

PERCENT VOLATILE:

BY WT/ BY VOL @

F:

C:

MATERIAL SAFETY DATA SHEET

Verta Kote 2000

VOLATILE ORGANIC COMPOUNDS (VOC):

WITH WATER: LBS/GAL
WITHOUT WATER: LBS/GAL

MOLECULAR WEIGHT:
VISCOSITY:

@

F:
C:

SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

STABLE

UNSTABLE

STABILITY: stable

CONDITIONS TO AVOID (STABILITY):

INCOMPATIBILITY (MATERIAL TO AVOID): mineral acids

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: carbon monoxide in a fire. Ammonia when heated.

HAZARDOUS POLYMERIZATION: will not occur

CONDITIONS TO AVOID (POLYMERIZATION):

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

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SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

RCRA HAZARD CLASS:

SECTION 13: DISPOSAL CONSIDERATIONS (con't)

SECTION 13 NOTES: comply with all federal, state and local regulations

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: amines, liquid, corrosive n.o.s

HAZARD CLASS: un1680

ID NUMBER:

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PACKING GROUP: II
LABEL STATEMENT:

FILE NO.:
MSDS DATE: 11 /09/2012

WATER TRANSPORTATION

PROPER SHIPPING NAME:
HAZARD CLASS:
ID NUMBER:
PACKING GROUP:
LABEL STATEMENTS:

AIR TRANSPORTATION

PROPER SHIPPING NAME:
HAZARD CLASS:
ID NUMBER:
PACKING GROUP:
LABEL STATEMENTS:

OTHER AGENCIES:

SECTION 14 NOTES:

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

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SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

PREPARATION INFORMATION:

DISCLAIMER: