

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

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## **SECTION I - IDENTIFICATION OF PRODUCT AND COMPANY:**

PRODUCT IDENTIFIER: **RUST GRIP-E Base**

GHS PRODUCT IDENTIFIED: Global Harmonized System #3208.90.000

CHEMICAL TYPE: **Modified Bisphenol-A Type Epoxy**

MANUFACTURER: **SUPERIOR PRODUCTS INT'L II, INC.**

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

PRODUCT USE: **Cover and protect all metal surfaces above & below waterline**

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



## **SECTION II - 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 III - HAZARDOUS INGREDIENTS:**

<u>HAZARDOUS INGREDIENTS</u>	<u>%</u>	<u>CAS/PIN</u>	<u>TLV</u>	<u>PEL</u>
Methyl N-Amyl Ketone	9.7	110-43-0	50.00	50.00
Methyl Isobutyl Ketone	9.7	108-10-1	50.00	50.00
Xylene	8.9	1330-20-7	100.00	100.00

## **SECTION IV - FIRST AID MEASURES:**

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

**EYES:** Flush w/clear lukewarm 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. Keep at rest. Get prompt medical attention.

## **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.:** >499C. degrees **FLASH POINT & METHOD:** 64F. TCC

**FLAMMABLE LIMITS: (Lower)** 1.40% **(Upper)** NAV

**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 & vaporizing liquid-type extinguishing agents may all be suitable for service.

## **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%); avoid breathing vapors

## **SECTION VII - HANDLING AND STORAGE:**

**Storage Requirements:** Maintain temperature between 32-122F. degrees; average shelf life is 3 years @ 77F. degrees. Empty containers may contain residual liquid or vapors, and should not be pressurized, cut, welded or exposed to ignition sources.

**Handling Procedures/Equipment:** Ground all containers; use non-sparking tools. Keep away from ignition sources as liquid contains volatiles that give off invisible vapors which may settle in low areas or travel some distance.

**SECTION VIII - 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; use explosion proof equipment

**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES:**

**APPEARANCE AND ODOR:** Silver colored Liquid, Ketone-dominant solvent odor

**SOLUBILITY IN WATER:** Insoluble      **NON-VOLATILES:** 51%

**FREEZING POINT:** NAP      **BOILING POINT:** N/A      **pH:** NAP

**SPECIFIC GRAVITY:** 1.32      **ODOR THRESHOLD:** NAV

**COEFF. WATER/OIL:** NAV      **EVAPORATION RATE:** 1.05%

**VAPOUR DENSITY (Air = 1):** 1.0+      **VAPOUR PRESSURE:** NAV

**SECTION X - STABILITY AND REACTIVITY DATA:**

**CONDITIONS OF REACTIVITY:** By high heat or fire

**CHEMICAL INCOMPATIBILITY:** Oxidizing materials

**CONDITIONS OF INSTABILITY:** Stable, under normal conditions

**HAZARDOUS DECOMPOSITION PRODUCTS:** By high heat/fire--Carbon dioxide, carbon monoxide, fumes, smoke

**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); skin irritation

**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: 2.01 lbs./gallon V.O.C.

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) Title III 302, 304, 311, 312, 313: Methyl Isobutyl Ketone (CAS 108-10-1)

**SECTION XVI - OTHER INFORMATION:**

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## SECTION I - IDENTIFICATION OF PRODUCT AND COMPANY:

PRODUCT IDENTIFIER: **RUST GRIP-E curing agent**

GHS PRODUCT IDENTIFIED: Global Harmonized System #3208.90.000

CHEMICAL TYPE: **Modified Polyamide**

MANUFACTURER: **SUPERIOR PRODUCTS INT'L II, INC.**

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

PRODUCT USE: **Cover and protect all metal surfaces above & below waterline**

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



## SECTION II - 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 III - HAZARDOUS INGREDIENTS:

<u>HAZARDOUS INGREDIENTS</u>	<u>%</u>	<u>CAS/PIN</u>	<u>TLV</u>	<u>PEL</u>
Xylene	45.9	1330-20-7	100.00	100.00

## SECTION IV - FIRST AID MEASURES:

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

**EYES:** Flush w/clear lukewarm 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. Keep at rest. Get prompt medical attention.

## 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.:** >488C. degrees **FLASH POINT & METHOD:** 64F. TCC

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

**SENSITIVITY TO STATIC DISCHARGE?** NAV

**SENSITIVITY TO MECHANICAL IMPACT?** NAV

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

**MEANS OF EXTINCTION:** Dry Chemical--monoammonium phosphate, potassium chloride, carbon dioxide, high expansion (protenic) chemical foam, water spray for large fires

## 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%); avoid breathing vapors.

## SECTION VII - HANDLING AND STORAGE:

**Storage Requirements:** Maintain temperature between 32-122F. degrees; average shelf life is 3 years @ 77F. degrees. Empty containers may contain residual liquid or vapors, and should not be pressurized, cut, welded or exposed to ignition sources.

**Handling Procedures/Equipment:** Ground all containers; use non-sparking tools. Keep away from ignition sources as liquid contains volatiles that give off invisible vapors which may settle in low areas or travel some distance.

**SECTION VIII - 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; use explosion proof equipment

**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES:**

**APPEARANCE AND ODOR:** Amber-clear liquid, alcohol-solvent odor

**SOLUBILITY IN WATER:** Slightly soluble      **NON-VOLATILES:** 59%

**FREEZING POINT:** NAP      **BOILING POINT:** N/A

**SPECIFIC GRAVITY:** .98      **ODOR THRESHOLD:** NAV

**COEFF. WATER/OIL:** NAV      **EVAPORATION RATE:** 1.04%

**VAPOUR DENSITY (Air = 1):** 1.0+      **VAPOUR PRESSURE:** NAV      **pH:** NAP

**SECTION X - STABILITY AND REACTIVITY DATA:**

**CONDITIONS OF REACTIVITY:** By high heat or fire

**CHEMICAL INCOMPATIBILITY:** Oxidizing materials

**CONDITIONS OF INSTABILITY:** Stable, under normal conditions

**HAZARDOUS DECOMPOSITION PRODUCTS:** By high heat/fire--Carbon dioxide, carbon monoxide, fumes, smoke

**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); skin irritation

**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: 1.6 lbs./gallon V.O.C.

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) Title III 302, 304, 311, 312, 313: None

**SECTION XVI - OTHER INFORMATION:**