

MATERIAL SAFETY DATA SHEET

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SECTION I - PRODUCT INFORMATION:

PRODUCT IDENTIFIER: **RUST GRIP**

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

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

PRODUCT USE: **Corrosion coating protection for steel and concrete surfaces**

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

SECTION II - HAZARDOUS INGREDIENTS:

<u>HAZARDOUS INGREDIENTS</u>	<u>%</u>	<u>CAS/PIN</u>	<u>TLV</u>	<u>PEL</u>
Aromatic 100	29.86%	64741-41-9	50.00	50.00
Mineral spirits	8.12%	64742-88-7	100.00	100.00
Diphenylmethane Diisocyanate	6.90%	26447-40-5	Not established	Not established
Diisocyanate MDI Polyisocyanate	23.01%	Proprietary	Not established	Not established
4,4 Diphenylmethane Diisocyanate	16.10%	101-68-8	.02-ceiling (.200 mg/m3)	.005-ceiling (.051 mg/m3)
Metallic paste	16.01%	7429-90-5	Not established	Not established

SECTION III - HAZARD IDENTIFICATION:

The product is a flammable, solvent-based product 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/water for at least 15 minutes; see physician.

SKIN: Remove contaminated clothing; wash affected areas 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/activities that create fine mist

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, isocyanate-based fume

AUTOIGNITION TEMP.: 214C. degrees

MINIMUM IGNITION ENERGY: 6.1% **FLASH POINT & METHOD:** 44C. TCC

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

SENSITIVITY TO STATIC DISCHARGE? Yes

SENSITIVITY TO MECHANICAL IMPACT? Possible due to aluminum content

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

MEANS OF EXTINCTION: Foam, dry chemical, carbon dioxide; water fog to cool containers exposed to heat.

SECTION VI - ACCIDENTAL RELEASE MEASURES: Use kitty litter or similar absorbent to contain spill. Neutralize w/solution of 80% water/20% Tergitol TMN-10. Use protective clothing; use non-sparking tools.

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 VIII - EXPOSURE CONTROLS AND PERSONAL PROTECTION:

PERSONAL PROTECTIVE EQUIPMENT: To be worn when spraying or within contained areas--Half-face respirator w/organic vapor filter, safety glasses w/shields, PVA or nitrile chemical-resistant gloves, skin protection; for all other applications, good judgement should be used.

ENGINEERING CONTROLS: To spray, mechanical exhaust ventilation is required

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE: Liquid **SOLUBILITY IN WATER:** Insoluble

APPEARANCE AND ODOR: Silver grey liquid, aromatic odor

FREEZING POINT: NAP **BOILING POINT:** >150C. deg. **pH:** NAP

SPECIFIC GRAVITY: 1.1 **ODOR THRESHOLD:** 0.4ppm

COEFF. WATER/OIL: NAV **EVAPORATION RATE:** very slow% **VOLATILES:** 45

VAPOUR DENSITY (Air=1): NAV **VAPOUR PRESSURE:** 8mmHg@20C. deg.

SECTION X - STABILITY AND REACTIVITY:

CONDITIONS OF REACTIVITY: Dry aluminum powder **CORROSIVE?** No

CHEMICAL INCOMPATIBILITY: Ammonium nitrate chlorofluoro carbons, chlorinated solvents, metal oxides, strong bases, peroxides, amines

CONDITIONS OF INSTABILITY: Impact, heat, friction

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen gas, reactive chlorides

SECTION VI - HEALTH HAZARD DATA:

Health effects to over exposure to CONCENTRATE: Corrosive to mucuse membranes, eyes and skin. The seriousness of the lesions and the prognosis of intoxication depend directly upon the concentration and duration of exposure.

Skin: May cause TEMPORARY skin discloration and irritation

Eyes: May cause severe eye damage

If swallowed: HARMFUL OR FATAL - Causes chemical burns of mouth and stomach; Corrosive to gastrointestinal tract; Paleness and cyanosis of the face; Excessive fluid in the mouth and nose; Bloating of stomach and belching; Nausea and vomiting; Risk of chemical pneumonitis and pulmonary edema

If inhaled: Vapors or mist can cause irritation. People with asthma or lung problems may be more affected.

SECTION XII - ENVIRONMENTAL INFORMATION:

Air: 3.48 lbs./gallon; 414 grams/liter V.O.C.

Water: Insoluble in water; reacts slowly w/water forming polyurea polymer and liberating CO2 gas

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

SECTION XIII - WASTE DISPOSAL:

Dispose of as paint/aluminum waste according to local regulations.

SECTION XIV - TRANSPORT INFORMATION:

Product is considered hazardous material, to be handled according to Class 3//UN1263//P.G. III guidelines.

SECTION XV - REGULATORY INFORMATION:

No listed materials under Superfund Amendments & Reauthorization Act of 1988 (SARA) 302, 304, 311, 312, 313

SECTION XVI - OTHER INFORMATION: NAV

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PREPARED BY: J. Pritchett, Superior Products Int'l II, Inc. **DATE:** 4/27/10