

Safety Data Sheet

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Information

Product name: HinderRUST HV100

Alternate names: HinderRUST, HinderRUST HV100 The Rust Shield

Product Description: Rust Inhibitor and Lubricant

Recommended use

Consumer and Industrial, a multiuse rust inhibitor. and lubricator. Use to protect and lubricate new and existing metals mechanical devices, tools, electrical cables.

Company Identification

Fluoramics, Inc.

902 East 2nd Street, Suite 326

Winona, MN 55987

Emergency Number: 507-205-9216

General Contact Number: 507-205-9216

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION:

This material is not hazardous according to regulatory guidelines

Other hazard information:

HAZARD NOT OTHERWISE CLASSIFIED (HNOC): None as defined under 29 CFR 1910.1200.

PHYSICAL / CHEMICAL HAZARDS: No significant hazards

HEALTH HAZARDS: High-pressure injection under skin may cause serious damage.

ENVIRONMENTAL HAZARDS: No significant hazards.

NFPA Hazard ID:	Health: 0	Flammability: 1	Reactivity: 0
HMIS Hazard ID:	Health: 0	Flammability: 1	Reactivity: 0

NOTE: This material should not be used for any other purpose than the intended use in Section 1.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This material is defined as a mixture.

No Hazardous Substance(s) or Complex Substance(s) required for disclosure.

As per paragraph (i) of 29 CFR 1910.1200, formulation is considered a trade secret and specific chemical identity and exact percentage (concentration) of composition may have been withheld. Specific chemical identity and exact percentage composition will be provided to health professionals, employees, or designated representatives in accordance with applicable provisions of paragraph (i).

SECTION 4: FIRST AID MEASURES

INHALATION: Harmful effects are not expected under normal use. In case of accident or if you feel unwell, seek medical advice immediately.

SKIN CONTACT: Harmful effects are not expected under normal use. Wash contact areas with soap and

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water. If skin irritation or rash occurs seek medical advice/attention.

EYE CONTACT: If in eyes, Rinse with water for several minutes. If irritation occurs, get medical advice/attention.

INGESTION: Seek immediate medical attention. Do not induce vomiting.

Most important symptoms and effects, both acute and delayed: None expected, when used as intended.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Appropriate Extinguishing Media: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

Inappropriate Extinguishing Media: Straight Streams of Water

FIRE FIGHTING

Fire Fighting Instructions: Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

Hazardous Combustion Products: Incomplete combustion products, Oxides of carbon, Smoke, Fume, trace amounts of Hydrogen Fluoride

FLAMMABILITY PROPERTIES

Flash Point [Method]: >230°C (446°F) [ASTM D-92]

Flammable Limits (Approximate volume % in air): LEL: N/D UEL: N/D

Auto ignition Temperature: N/D

SECTION 6: ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. US regulations require reporting releases of this material to the environment which exceed the applicable reportable quantity or oil spills which could reach any waterway including intermittent dry creeks.

PROTECTIVE MEASURES

Avoid contact with spilled material. Warn or evacuate occupants in surrounding and downwind areas if required due to toxicity or flammability of the material. See Section 5 for firefighting information. See the Hazard Identification Section for Significant Hazards. See Section 4 for First Aid Advice. See Section 8 for advice on the minimum requirements for personal protective equipment. Additional protective measures may be necessary, depending on the specific circumstances and/or the expert judgment of the emergency responders.

SPILL MANAGEMENT

Land Spill: Stop leak if you can do it without risk. Absorb or cover with dry earth, sand or other

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non-combustible material and transfer to containers. Recover by pumping or with suitable absorbent.

ENVIRONMENTAL PRECAUTIONS

Large Spills: Dike far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

SECTION 7: HANDLING AND STORAGE

HANDLING: Prevent small spills and leakage to avoid slip hazard.

STORAGE: Do not store unlabeled containers.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits/standards for materials that can be formed when handling this product: When mists/aerosols can occur the following are the recommendations: 5 mg/m³ – ACGIH TLV (inhalable fraction), 5mg/m³ – OSHA PEL

NOTE: Limits/standards shown for guidance only. Follow applicable regulations.

No biological limits allocated.

ENGINEERING CONTROLS

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Control measures to consider:

No special requirements under ordinary conditions of use and with adequate ventilation.

PERSONAL PROTECTION

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

Respiratory Protection: No protection is required under normal conditions of use. When Applying with spray equipment, a particulate air-purifying respirator approved for dust / oil mist is recommended.

Hand Protection: No protection is ordinarily required under normal conditions of use.

Eye Protection: If contact is likely, safety glasses with side shields are recommended.

Skin and Body Protection: No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

Specific Hygiene Measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

ENVIRONMENTAL CONTROLS

Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit

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emissions.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES
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Note: Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications. Contact the Supplier for additional information.

Information on basic physical and chemical properties

Physical State	Liquid
Color	Tan
Odor	slight
Relative Density (at 15.6°C)	0.87 to 0.882
Flash Point [COC]	>230°C (446f) ASTM D93
Vapor Pressure	<0.1 mm Hg
Vapor Density (air=1)	n/d
Relative Density	0.9
Solubility in Water	Negligible
Viscosity @ 40°C	111 cst
Viscosity @ 100°C	19 cst
% VOC	2.0% ASTM D2369
% Volatile Wgt	2.3 % ASTM D2369
Pour Point	<-50c (-58f) [in house]

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: See sub-sections below.

STABILITY: Material is stable under normal conditions.

CONDITIONS TO AVOID: Excessive heat. High energy sources of ignition.

MATERIALS TO AVOID: Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Material does not decompose at ambient temperatures.

POSSIBILITY OF HAZARDOUS REACTIONS: Hazardous polymerization will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION
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General Information: No toxicology test has been conducted on this mixture. Remarks/Conclusions are from a review of the mixture components

Inhalation:	Not hazard at ambient/normal handling temperatures.
Ingestion:	Negligible. Based upon similar materials.
Skin:	Negligible irritation to skin. Based upon similar materials.
Eye:	May cause mild, short lasting discomfort to eyes. Based upon similar materials.
Sensation:	Not expected to be a respiratory or skin sensitizer. Based upon similar materials.
Aspiration:	Not expected to be an aspiration hazard.
Germ Cell Mutagenicity:	Not expected to be a germ cell mutagen. Based upon similar materials.
Carcinogenicity:	Not expected to cause cancer
Reproductive Toxicity:	Not expected to be a reproductive toxicant. Based upon similar materials.

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Lactation:	Not expected to cause harm to breast-fed children
Specific Target Organ Toxicity:	Not expected to cause organ damage from single or prolonged/repeated exposure

OTHER INFORMATION

For the product itself: Synthetic base mixture. Not expected to cause significant health effects under conditions of normal use, based upon review of the mixture components.

SECTION 12: ECOLOGICAL INFORMATION

General Information No test were carried out with the mixture itself. The information given is based on data available for the material, the components of the material, and similar materials.

ECOTOXICITY: Mixture -- Not expected to be harmful to aquatic organisms.

PERSISTENCE AND DEGRADABILITY

Biodegradation: Mixture -- Expected to be inherently biodegradable

SECTION 13: DISPOSAL CONSIDERATION

Disposal recommendations based on mixture as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

DISPOSAL RECOMMENDATIONS

Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.

REGULATORY DISPOSAL INFORMATION

RCRA Information: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed as hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP).

Empty Container Warning

Empty containers may contain residue. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations.

SECTION 14: TRANSPORT INFORMATION

LAND (DOT): Not Regulated for Land Transport

LAND (TDG): Not Regulated for Land Transport

SEA (IMDG): Not Regulated for Sea Transport

SEA (MARPOL 73/78 Convention-Annex III)

Product Name: POLYOLEFIN (MOLECULAR WEIGHT 300+) (MIXTURE)

Ship type: 2

Pollution category: Y

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AIR (IATA): Not Regulated for Air Transport

SECTION 15: REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STANDARD: This material is not considered hazardous in accordance with OSHA HazCom 2012, 29 CFR 1910.1200.

Listed or exempt from listing/notification on the following chemical inventories: AICS, DSL, ENCS, IECSC, KECI, PICCS, TCSI, TSCA

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

SARA (311/312) REPORTABLE HAZARD CATEGORIES: None

SARA (313) TOXIC RELEASE INVENTORY: This material contains no chemicals subject to the supplier notification requirements of the SARA 313 .

California Proposition 65: This product is not known to contain any Proposition 65 chemicals.

The following ingredients are cited on the lists below: None.

--REGULATORY LISTS SEARCHED--

1 = ACGIH ALL	6 = TSCA 5a2	11 = CA P65 REPRO	16 = MN RTK
2 = ACGIH A1	7 = TSCA 5e	12 = CA RTK	17 = NJ RTK
3 = ACGIH A2	8 = TSCA 6	13 = IL RTK	18 = PA RTK
4 = OSHA Z	9 = TSCA 12b	14 = LA RTK	19 = RI RTK
5 = TSCA 4	10 = CA P65 CARC	15 = MI 293	

SECTION 16: OTHER INFORMATION

DISCLAIMER:

The information and recommendations contained within this document are believed by Fluoramics to be accurate and reliable as of the date prepared. The information and recommendations are offered for the user's consideration and analysis and in no way guarantee the chemical specifications for the specified product. It is solely the responsibility of the user to determine safe conditions for use of this product and to assume liability for any loss, damage or expense arising out of the product's improper use. The user should consider the information in this document in the context of how the selected product will be handled and used in conjunction with other products. It is the user's responsibility to determine that the product is suitable for the intended use.

Appropriate warnings and safe-handling procedures should be provided to all handlers and users. Fluoramics assumes no responsibility for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices within this document.

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