

# Safety Data Sheet

## Section 1 - Chemical Product and Company Identification

**Product Name:** NHOU Rust-Prep

**Product Use:** Chemically kills rust by converting it to an inert iron-zinc strontium cellular film

**SDS Date of Issue:** 4/1/2015

**Supersedes:** 1/13/2010

**NH Oil Undercoating Inc.**

Local Phone: (603) 491-9012  
Nationwide : (855) OIL-RUST

**Physical Address:**

169 Dover Rd  
Chichester NH  
03258  
U. S. A.

**Mailing Address:**

Same

**Emergency Telephone Number: Toll Free 1-800-222-1222**

## Section 2 - Hazards Identification

**Emergency Overview: Label Symbol(s): Corrosive ... Irritant (non-fatal) Signal Word: DANGER**

**NOTE: Causes eye and skin burns. Do not breathe vapors spray, gas, mist or fumes. Harmful if inhaled or swallowed. Keepout of reach of children and pets.**

**Appearance and Odor: Forest green color with acidic odor**

**Likely Routes of Entry: Dermal, Oral and Inhalation**

**Precautionary Statements:**

P233 Keep container tightly closed  
P261 Avoid breathing in mist or vapors  
P262 Do not get in eyes, on skin or on clothing  
P264 Wash hands thoroughly after handling  
P281 Use personal protective equipment as required

**Acute Effects:**

**Eyes** This product can cause serious eye burns. Damage may be permanent.  
**Skin** Corrosive to skin. Causes burns. Burning may be delayed.  
**Inhalation** Breathing of vapor, spray, gas, mist or fumes may be irritating to the respiratory tract.  
**Ingestion** Harmful if swallowed. May cause burns to the linings of the mouth and superior gastrointestinal tract. May include Vomiting, pain and burning sensation.

**HMIS and NFPA Hazard Ratings: Health - 2 Flammability - 0 Reactivity - 0**  
**Personal Protection (Select Personal Protection Equipment (PPE) Base on Intended Use**

## Section 3 - Composition/Information on Ingredients

**Name of Hazardous Ingredients**

Phosphoric Acid

**CAS Number**

7664-38-2

**OSHA PEL\***

1 mg/m<sup>3</sup>

**ACGIH TLV\***

1 mg/m<sup>3</sup>

\*Base on 8 hour time weighted averages

**Other Components:** Water, Wetting Agents, Zinc and Strontium (Polyvalent), Dye.

Section 4 - First Aid MeasuresSection 5 - Fire Fighting Measures

**Flashpoint:** Not flammable or combustible. **Extinguishing Media:** Not applicable.

Section 6 - Accidental Release Measures

**Spill / Leak Confinement:** All spilled material must be contained and kept out of water ways, sewers, basements and drains.

**Small / Large Spills:** Absorb, sweep, scoop material and place into containers. Neutralize remaining residual with appropriate materials. Do not release into sewers or waterways. Dispose of according to Federal, State and Local regulations. Large spills should be handled by trained personnel with appropriate protective clothing and equipment.

Section 7 - Handling and Storage

**Handling:** Avoid contact with liquid. Keep container closed when not in use. Use with adequate ventilation. Avoid unnecessary exposure and removal of material from eyes, skin and clothing immediately upon contact. Wash hands and exposed skin after handling. Emptied container retains product residue. Observe all label safeguards until container is cleaned, reconditioned or destroyed.

**Storage:** Keep out of reach of children and animals. Store product in a cool, dry location. Do not allow product to freeze.

**Section 8 - Exposure Controls/Personal Protection**

**Eye Protection:** Wear protective eye glasses (with side shields), face shield or chemical safety goggles per 29 CFR 1910.133. Contact lenses

are not effective eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses. Have eyewash/shower facilities immediately available.

**Skin Protection:** Wear chemically protective gloves, boots, aprons and gauntlets to prevent prolonged or repeated skin contact. Wash hands and contaminated skin thoroughly after handling. Have safety shower facilities immediately available.

**Respiratory Protection:** Avoid breathing vapors, spray, gas, mist or fumes. Use only in well ventilated areas. If you use Rust Prep in a closed compartment or room, you must use a NIOSH/MSHA approved respirator. Consult the respirator manufacturer to determine the appropriate type of equipment needed for a given application. Observe all respirator use limitations specified by NIOSH/MSHA or the manufacturer. Respiratory protection programs must comply with 29 CFR 1910.134.

**Ventilation:** Provide natural or mechanical ventilations to control exposure levels below airborne exposure limits.

**Section 9 - Physical and Chemical Properties**

<b>Physical State</b>	Liquid	<b>Explosive Limits</b>	N/A
<b>Color</b>	Forest Green Color	<b>Vapor Pressure</b>	30
<b>Odor</b>	Acidic	<b>Vapor Density (Air=1)</b>	1.12
<b>Odor Threshold</b>	N/A	<b>Relative Density</b>	N/A
<b>pH</b>	<1	<b>Solubility</b>	Miscible
<b>Freezing Point</b>	N/A	<b>Flammability</b>	N/A
<b>Boiling Point</b>	220 Degrees F	<b>% Volatiles by Volume (70%)</b>	0
<b>Flash Point</b>	None	<b>Volatile Organic Compound:</b>	Inorganic
<b>Evaporation Rate</b>	N/A	<b>Specific-Gravity(H<sub>2</sub>O=1 @ 4% Degrees C)</b>	1.15

**Section 10 - Stability and Reactivity**

<b>Stability and Reactivity</b>	Stable under normal conditions of storage and handling.
<b>Incompatibility</b>	Avoid contact with high pH (bases). Reactions with other materials may liberate toxic and/or explosive gases.
<b>Hazardous Polymerization</b>	Will not occur
<b>Hazardous Decomposition Products</b>	None known

**Section 11 - Toxicological Information**

Due to its acidity, this product is corrosive to the eyes and skin. NHOU Rust Prep can be irritating to the respiratory tract if inhaled as a mist if the product is vaporized. Test results per 49 CFR 173.136 (a) and 173.137

<b>Routes of Entry</b>	Dermal, Oral and Inhalation
<b>Symptoms</b>	Irritation
<b>Skin Irritant</b>	Yes
<b>Eye Irritant</b>	Yes
<b>Mutagenicity</b>	No information found
<b>Carcinogenicity</b>	No information found
<b>Reproductive Toxicity</b>	No information found

This formula was tested using Corrositex<sup>®</sup> System Test (U.S. Dot Exemption #: DOT - E

<b>10904) Replicate # :</b>	1	2	3	4	<b>Mean</b>
Time	00:24:00	00:24:00	00:24:00	00:24:00	00:24:00
(hh:mm:ss)					

**Classification:** Corrosive, Packing Group 11

**Section 12 - Ecological Information**

**Volatile Organic Compounds Content: 0%**

No biodegradable studies have been conducted with Rust Prep.

**Section 13 - Disposal Considerations**

Dispose of in accordance with all Federal, State and Local pollution control regulations. Do not allow this product to enter drains or waterways.

**Section 14 - Transportation Information**

*This information is provided as reference only. Refer to appropriate regulations to properly classify your shipment for transportation.*

**DOT Shipping Information:** UN1760, Corrosive Liquids, n.o.s. (Contains Phosphoric Acid), 8, PG II

**UN Number:** 1760

**ERG No:** 154

**Hazard Class:** 8

**Packing Group:** II

**Marine Pollutant:**

No

**Section 15 - Regulatory Information**

**DOT Metal Corrosion Test:** NHOU Rust Prep is corrosive to steel based on DOT, 49 CFR criteria.

**National Stock Number:** 6850-01-258-1225

**Section 16 - Other Information**

The information contained herein is based on data available to us and is believed to be accurate. It is provided for purpose of hazard communication. It is not intended to constitute performance information concerning this product. No responsibility is assumed that the information is sufficient or correct in all cases and no warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. No express or implied warranty of merchantability or fitness for a particular purpose is made with respect to this product and we assume no responsibility for injuries from the use of the product described herein. This information and product are provided on the condition that the user shall make determination as to the suitability for a particular purpose and on the condition that the user shall assume all risks of their use, handling and disposal of this product, or from the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.