1. IDENTIFICATION

Product Name RUST REMOVER
Product Code
Recommended use and restrictions
Intended use Cleaning agent
COMPANY IDENTIFICATION
Surface Cleaning Innovations
10445 Cogdill Rd,
Knoxville, TN 37932
Phone (865) 343-0712

EMERGENCY TELEPHONE NUMBER
CHEMTREC +1 800-424-9300

2. HAZARDS IDENTIFICATION

Hazard Classification

Corrosive to Metals	Category 1
Serious Eye Damage	Category 1
Skin Corrosion	Category 1B
Acute Toxicity	Category 4 (Oral)

Hazard Pictograms

Signal Word
DANGER!

Hazard Statements
H290: May be corrosive to metals
H302: Harmful if swallowed
H314: Causes severe skin burns and eye damage

Precautionary Statements
P260: Do not breathe dust/fumes/gas/mist/vapors/spray.
P264: Wash skin thoroughly after handling
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P301+312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P405: Store locked up.
P406: Store in a corrosive resistant container with a resistant inner liner.

P501: Dispose of contents/container to an approved waste disposal facility in accordance with local/regional/national/international regulations

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Nature Inorganic acid

Hazardous Ingredients and Impurities

Chemical Name	CAS#	Percentage
Phosphoric acid	7664-38-2	20 – 40%
Alcohols, C9-11, ethoxylated	68439-46-3	1 - 10%

4. FIRST AID MEASURES

Description of first-aid measures

General Advice

- First Aid responders should pay attention to self-protection and use the recommended protective clothing. If potential for exposure exists refer to Section 8 for specific personal protective equipment.
- Show this material safety data sheet to the doctor in attendance.

In case of inhalation

- Move affected individual to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration; if by mouth-to-mouth use rescuer protection (pocket mask, etc.). If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician if necessary.

In case of skin contact

- In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

In case of eye contact

- Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
- Seek medical advice

In case of ingestion

- If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

Most important symptoms and effects, both acute and delayed

- Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.
- Skin contact may aggravate an existing skin disease.

Notes to physician

- All treatments should be based on observed signs and symptoms of distress in the patient.
- Treat symptomatically.
- There is no antidote.

5. FIREFIGHTING MEASURES

Flash Point > 201°F (Pensky Marten Closed Cup)

Autoignition Temperature No data available

Flammability/Explosive limit No data available

Extinguishing media

Suitable extinguishing media

- Water fog or spray
- Dry chemical fire extinguishers
- Foam
- Carbon dioxide CO_2

Unsuitable extinguishing media

- None known

Special hazards arising from the substance or mixture

Specific hazards during fire fighting

- Hazardous decomposition products may form while on fire

Hazardous combustion products

- Oxides of phosphorus

Advice for fire fighters

Special protective for fire fighters

- Wear a positive-pressure self-contained breathing apparatus (SCBA) and full protective clothing

Firefighting methods

- Do not use a direct water stream as it may spread fire.
- Isolate fire and deny unnecessary entry. Standard procedure for chemical fires.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- Isolate area and deny unnecessary entry
- Wear suitable protective equipment.
- Refer to Section 8 "Exposure controls/ personal protection"
- Ventilate are of leak or spill

Environmental precautions

- Prevent spill material from entering soil, ditches, waterway or groundwater
- Spills may be reportable to the National Response Center and/or to state and local agencies

Methods and materials for containment and cleaning up

- Absorb material with sand, dirt, diatomaceous earth, vermiculite, etc...
- Shovel or sweep up material
- Place in a container for disposal according to local, state, or federal regulations

7. HANDLING AND STORAGE

Precautions for safe handling

- Wear personal protective equipment and observe good industrial hygiene practices.

Conditions for safe storage, including incompatibilities

- Store in the original container.
- Keep the container tightly closed when not in use.
- Keep away from open flames, hot surfaces, and ignition sources
- Keep away from any incompatible materials

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Due to variations in safety procedures, work environments, and handling practices, these recommendations should be viewed as general guidance. Most equipment manufactures can assist with the use and maintenance of worker protection equipment.

Control parameters

Component	Regulation	Type of Listing	Value
Phosphoric acid	OSHA	TWA	1 mg/m3
	ACGIH	TWA	1 mg/m3

Exposure controls

Engineering measures

- Use engineering controls to keep airborne levels below exposure limits to minimize employee exposures.
- Effective exhaust ventilation system
- Eye wash facilities and emergency shower should be available when handling this product

Individual protection measures

- Eye/face protection: Safety glasses with side shields
- Skin/hand protection: Wear suitable protective gloves, clothing, and footwear.
- Respiratory protection: Wear suitable respiratory equipment in cases of insufficient ventilation. Select NIOSH.MSHA approved equipment in accordance to industrial recommendations or regulatory standards.

Hygiene measures

- Practice good personal hygiene measures, such as washing hands after handling the material and before eating, drinking, smoking, applying cosmetics, or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical state	Liquid
Form	Liquid
Color	Brown
Odor	None
Odor Threshold	No data available
pH	< 1
Melting/freezing point	<32° F
Boiling point	212° F
Flash Point	> 201°F (Pensky Marten Closed Cup)
Evaporation Rate	No data available
Flammability (solid)	No data available
Flammability (gas)	No data available
Flammability (liquid)	No data available
Upper/lower flammability or explosive limits	
Lower (%)	No data available

Upper (%)	No data available
Autoignition temperature	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative Density	1.19 (25°C)
Solubility	Soluble (water)
Partition coefficient	No data available
Decomposition temperature	No data available
Viscosity	No data available
Volatiles by volume	63%

10. STABILITY AND REACTIVITY

Reactivity	No dangerous reaction known under conditions of normal use.
Chemical stability	Product is stable under normal conditions.
Possible hazardous reactions	Mixing with incompatible materials may cause splattering and release of large amounts of heat.
Conditions to avoid	Mixing with incompatible materials
Incompatible Materials	Strong alkalis and oxidizing agents
Hazardous decomposition products	Oxides of phosphorus

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	Inhalation of mists could have a corrosive effect on the respiratory tract
Skin contact	Causes skin corrosion
Eye contact	Risk of serious damage to the eyes.
Ingestion	Corrosive. If swallowed, may cause severe oral and esophageal, mucus membrane, and gastrointestinal burns and possible perforation. If swallowed, may pose a lung aspiration hazard during vomiting.

Acute toxicity

Acute oral toxicity	LD50 (rat): 1,530 mg/kg
Acute inhalation toxicity	No data available
Acute dermal toxicity	LD50 (rabbit): 2,740 mg/kg
Acute toxicity (other)	No data available

Skin corrosion/irritation	Causes skin corrosion
Serious eye damage/irritation	Risk of serious damage to the eyes.
Respiratory or skin sensitization	Does not cause sensitization
Germ cell mutagenicity	No data available
Carcinogenicity	Not classified as a carcinogen by IARC, ACGIH, NTP, or OSHA

Toxicity for reproduction and development

Reproductive toxicity	Not expected to cause reproductive effects.
Developmental toxicity	Not expected to cause developmental effects.

Specific target organ toxicity

Single exposure	No data available

Repeated exposure No data available

Aspiration toxicity No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Acute toxicity to fish	LC50(mosquito fish): 138 mg/L, 96 hours, static
Acute toxicity to aquatic invertebrates	No data available
Toxicity to aquatic plants	No data available
Toxicity to microorganisms	No data available
Chronic toxicity to fish	No data available
Chronic toxicity to aquatic invertebrates	No data available
Chronic toxicity to aquatic plants	No data available

Persistence and degradability

Biodegradability Inorganic. No subject to biodegrade

Bioaccumulative potential

Partition coefficient: n-octanol/water	No data available
Bioconcentration factor (BCF)	No data available

Mobility in soil No data available

Other adverse effects No data available

13. DISPOSAL CONSIDERATIONS

Disposal instructions Dispose of contents/container in accordance with local/state/federal regulations.

Hazardous waste code Regulated as a hazardous waste. D002

Waste from residues/unused products Dispose of contents/container in accordance to local/state/federal regulations.

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORTATION INFORMATION

	UN Number	Description	Hazardous Class	Packing Group	Label
DOT	UN1760	Corrosive Liquid, n.o.s. (Phosphoric Acid)	8	III	
IATA	UN1760	Corrosive Liquid, n.o.s. (Phosphoric Acid)	8	III	

IMDG	UN1760	Corrosive Liquid, n.o.s. (Phosphoric Acid)	8	III	

Marine Pollutant (Yes/No) No

Notes Please refer to latest shipping document for the most up to date shipping information including exemptions and special circumstances. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations

15. REGULATORY INFORMATION

Inventory Information	Status
• United States TSCA Inventory	On TSCA Inventory
• Canadian Domestic Substances List (DSL)	All components of this product are on the Canadian DSL
• Australia Inventory of Chemical Substances (AICS)	On the inventory, or in compliance with the inventory
• Japan. CSCL - Inventory of Existing and New Chemical Substances	On the inventory, or in compliance with the inventory
• Korea. Korean Existing Chemicals Inventory (KECI)	On the inventory, or in compliance with the inventory
• China. Inventory of Existing Chemical Substances in China (IECSC)	On the inventory, or in compliance with the inventory

US. EPA EPCRA SARA Title III

SARA Sections 311/312

Fire Hazard	Reactivity Hazard	Pressure Hazard	Acute Health	Chronic Health
No	No	No	Yes	No

SARA Section 313 Toxic Chemicals

Component/Ingredient	CAS #	Concentration
No component listed		

SARA Section 302 Extremely Hazardous Substance

Component/Ingredient	CAS #	Reportable Qty.
No component listed		

SARA Section 304 Emergency Release Notification

Component/Ingredient	CAS #	Reportable Qty.
No component listed		

US. EPA CERCLA Hazardous Substances and Reportable Quantities

Component/Ingredient	CAS #	Reportable Qty.
Phosphoric acid	7664-38-2	5,000 lb

Clean Air Act (CAA)

Component/Ingredient	CAS #

No component listed	

Safe Drinking Water Act (SDWA)

Component/Ingredient	CWA – Reportable Quantities	CWA – Toxic Pollutants	CWA – Priority Pollutants	CWA – Hazardous Substances
No component listed				

US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)

Component/Ingredient	CAS #
No component listed	

16. OTHER INFORMATION

NFPA (National Fire Protection Association) – Classification

Health	3
Flammability	0
Reactivity	0

HMIS (Hazardous Materials Identification System – Classification

Health	3
Flammability	0
Reactivity	0
PPE	Determined by user; dependent on local conditions

Further Information

Issue Date	05/15/25
Revision Date	05/15/25
Version #	01
Revision Note	None

Disclaimer

The information provided in this Safety Data Sheet (SDS) is correct to the best of our knowledge, information, and belief at the date of its publication. This SDS is designed only as a guidance for the products to which it applies. No warranty, express, or implied, is given with regards to the accuracy, completeness, or adequacy of the information contained herein. Regulations requirements are subject to change and may differ between various locations, and it is the user's responsibility to ensure that their activities comply with all federal, state, and local laws. The manufacturer, agent, directors, officers, contractors, or employees of either are not liable to any party for any damages of any nature arising out of or in connection with the accuracy, completeness, adequacy, or furnishing of any information in the SDS.