

SAFETY DATA SHEET
PRODUCT: RUST REMOVER

DATE: 14/10/21
VERSION: 1.0

1. PRODUCT IDENTIFICATION /DESCRIPTION

Product name: RUST REMOVER
Chemical name: INDUSTRIAL CLEANSING MIXTURE

2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NO	CONCENTRATION	RISK PHRASES
PHOSPHORIC ACID	7664-38-2	40-50	R34
ZINC PHOSPHATE	7779-90-0	1-2	R50/53

3. HAZARD IDENTIFICATION OF THE PRODUCT

Flammable.
Skin Irritation: Skin contact can cause burns.
Eye Irritation: May cause irreversible eye injury. Contact with liquid is corrosive to the eyes and causes severe burns.
Ingestion: This product causes severe burns to mouth, throat and stomach, nausea, vomiting.
Inhalation: Irritation may lead to chemical pneumonitis and pulmonary edema. Causes severe irritation of upper respiratory tract with coughing, burns, breathing difficulty, and possible coma. Causes chemical burns to the respiratory tract

4. FIRST-AID MEASURES

Eye contact: Adverse symptoms may include the following: pain, watering, burns and vision disturbances from slightly tangled up to complete blindness.

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Inhalation:	Coughing and difficulty breathing.
Eyes contact:	Hold the eyes open and rinse with water for a sufficiently long period of time (at least 15 minutes). Contact an ophthalmologist.
Skin contact:	Adverse symptoms may include the following: Corrosive effect on skin and mucous membrane. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor in the event of a skin reaction.
Ingestion:	Adverse symptoms may include the following: May cause gastro-intestinal irritation, diarrhea, nausea and vomiting.
Inhalation:	Irritation may lead to chemical pneumonitis and pulmonary edema. Causes severe irritation of upper respiratory tract with coughing, burns, breathing difficulty, and possible coma. Causes chemical burns to the respiratory.
Other:	General advice: take off all contaminated clothing immediately.

5. FIRE-FIGHTING MEASURES

Extinguishing Media:	Carbon dioxide (CO ₂), Foam, extinguishing powder or water spray to cool containers.
Fire Fighting Procedures:	During fire-fighting respirator with independent air supply and airtight garment is required.
Explosion Hazard:	Burning releases carbon monoxide, carbon dioxide, and oxides of Nitrogen. In the events of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

Spillage:	Do not allow to escape to drains, surface water, ground water and soil.
Waste Disposal Methods:	Remove mechanically; cover the remainder with wet, absorbent material (e.g. sawdust, chemical binder based on calcium silicate hydrate, sand). After approximately one hour, transfer to waste container and do not seal (CO ₂ evolution).

Keep damp in a safe ventilated area for several days.

7. STORAGE AND HANDLING PRECAUTIONS

Prevent the creation of flammable or explosive concentrations of Vapours in air and avoid vapour concentrations higher than the occupational exposure limits. In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded.

Electrical equipment should be protected to the appropriate standard. To dissipate static electricity during transfer, earth drum and connect to receiving container with bonding strap.

Operators should wear antistatic footwear and clothing and floors should be of the conducting type. Keep away from heat, sparks and flame. No sparking tools should be used.

Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation.

Avoid inhalation of dust from sanding. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

Put on appropriate personal protective equipment (see Section 8). Never use pressure to empty. Container is not a pressure vessel. Always keep in containers made from the same material as the original one.

Comply with the health and safety at work laws. Information on fire and explosion protection Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

Handling: Ensure there is sufficient ventilation of area. Do not handle in a confined space. Keep away from heat. Smoking is forbidden. Do not breathe vapour. Avoid contact with skin and eyes.

WARNING: Provide sufficient air exchange and/or exhaust in work rooms. Exhaust ventilation necessary if product is sprayed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION INFORMATION

Respiratory protection: Suitable respiratory equipment required in insufficient ventilated working areas and during spraying. An air-fed mask, or for short periods of work, a combination of charcoal filter and particulate filter is recommended.

Hand protection: Gauntlet type of gloves of nitrile rubber or butyl rubber is recommended. For short time contact PVC is suitable.

Eye protection: Wear safety goggles.

Other Protective Equipment: Wear suitable protective clothing for skin and body protection. Hygiene: Keep away from foodstuffs, drinks, and tobacco. Wash hands before breaks and at the end of workday. Keep working clothes separately. Take off all contaminated clothing immediately.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Colour:	Colourless
Shelf life:	Up to 12 months
p H:	<2

10. STABILITY AND REACTIVITY

Stability: Stable.

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical Stability: The product is stable. Possibility of hazardous reactions Accumulation of flammable / explosive vapors.

Conditions to avoid Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition.

No smoking. Take measures against static discharges.

Incompatible materials Corrosive to metals. Contact with metals may produce hydrogen a flammable gas. Hazardous decomposition products Gaseous Hydrogen fluoride (HF).

11. TOXICOLOGICAL INFORMATION

Ingestion may cause nausea, diarrhea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

12. ECOLOGICAL INFORMATION

There are no data available on the preparation itself. Do not allow to enter drains or watercourses.

13. DISPOSAL CONSIDERATION

Do not allow into drains or water courses. Wastes and empty containers should be disposed of in accordance with regulations under the control of pollution agency and environmental protection agency.

Disposal of paints and thinners is controlled by National regulations. Please refer to Local office for current statutory regulations.

14. OTHER INFORMATION

Risks Phrases

R34:

Causes burns

R50/53:

May cause long-term adverse effects in the aquatic environment.

Safety Phrases

S28 After contact with skin wash immediately with plenty of soap and water. S37/39 Wear suitable gloves and eye protection.

15. SAFETY PRECAUTIONS

Company Disclaimer:

The information provided in this safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release. The information is given without acceptance of liability for loss or damage attributed to reliance thereon as conditions of use lie outside our control. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.