

Material Safety Data Sheet

Section1: Chemical Product and Company Identification

Product Name: **RUST REMOVER RR-100**

Product Use: Water-soluble Cleaning Chemicals removing Rust from metals

Identification of Hazard : Irritable, Hazardous on environment

Taesung Autoind Pvt Ltd

Supplier: No:165,Sidco Industrial Estate

Thirumazhisai, Chennai – 600 124

TEL Contact: 044 26810889 ,26811433

Section2: Composition and Information on Ingredients

Chemical Name	Synonyms	CAS NO	Contents (%)
Trihydroxylphosphine oxide	-	7664-38-2	80~88
Others	-	10~12	

Section3: Hazards Identification

Potential Acute Health Effects:

Hazardous in case of skin contact: irritant Hazardous in case of skin contact(corrosive, permeator), of eye contact (corrosive).

Eye contact: irritant. Liquid or spray mist may produce tissue damage particularly On mucous membranes of eyes.

Ingestion: Slightly hazardous in case of inhalation (lung sensitizer). Damage the Intestine skin.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

DEVELOPMENT TOXICITY: Not available.. Repeated

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

Skin Contact:

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Serious Skin Contact:

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Serious Inhalation:

Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: of metals

Explosion Hazards in Presence of Various Substances: Non-explosive in presence of open flames and sparks, of shocks.

Fire Fighting Media and Instructions: Not applicable.

Special Remarks on Fire Hazards:

Reacts with metals to liberate flammable hydrogen gas. Formation of flammable gases with aldehydes, cyanides, mercaptins, and sulfides.

Section 6: Accidental Release Measures

Small Spill:

Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. If necessary: Neutralize the residue with a dilute solution of sodium carbonate.

Large Spill:

Corrosive liquid. Poisonous liquid. Stop leak if without risk. Absorb with DRY earth, sand or other noncombustible material.

Section 7: Handling and Storage

Precautions:

Do not ingest. Do not breathe gas/fumes/ vapor/spray. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, combustible materials, metals, alkalis.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the workstation location.

Personal Protection:

Face shield. Full suit. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves. Boots.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid Inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

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Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Odorless.

Molecular Weight: Not applicable.

Color: Clear Colorless. **pH**

(1% soln/water): Acidic.

Boiling Point: 124°C

Melting Point: 21°C

Specific Gravity: 1.25+/-0.2 @ 25 C (Water = 1)

Volatility: Not available.

Ionicity (in Water): Not available.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials

Incompatibility with various substances:

Reactive with oxidizing agents, combustible materials, metals, alkalis.

Corrosivity:

Extremely corrosive in presence of copper, of stainless steel(304), of stainless steel(316). Highly corrosive in presence of aluminum. Non-corrosive in presence of glass.

Special Remarks on Corrosivity:

Minor corrosive effect on bronze. Severe corrosive effect on brass. Corrosive to ferrous metals alloys.

Polymerization: Will not occur.

Solubility: Easily soluble in hot water. Soluble in cold water.

Section 11: Toxicological Information

Routes of Entry:

Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:

Acute oral toxicity (LD50): 1530 mg/kg [Rat]. Acute dermal toxicity (LD50): 2740 mg/kg [Rabbit].

Chronic Effects on Humans:

May cause damage to the following organs: blood, liver, skin, eyes, bone marrow.

Other Toxic Effects on Humans:

Extremely hazardous in case of inhalation (lung corrosive). Very hazardous in case of skin contact (irritant), of ingestion. Hazardous in case of skin contact (corrosive, permeant), of eye contact (corrosive).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

	Section 3.10 Ecological information Ecotoxicity No data available BOD5 and COD : No data available Product biodegradability Biodegradability Possibly not hazardous in the short term due to the nature of products likely. No long degradation products arise. Toxicity product Biodegradability The product degradation

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**Special
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