



SAFETY DATA SHEET
RUST REMOVER

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Issued: 31/07/04
Revision No: 2

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: RUST REMOVER
Product code: RUST
Synonyms: RUST REMOVER
Company name: Rustins Ltd
Waterloo Road
Cricklewood
London
NW2 7TX
United Kingdom
Tel: +44 (0)208 450 4666
Fax: +44 (0)208 452 2008
Emergency tel: +44 (0)208 205 8709

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: PHOSPHORIC ACID 30-50%
[C] R34

- ETHANOL 10-30%
CAS: 64-17-5
EINECS: 200-578-6
[F] R11
- METHANOL 1-10%
CAS: 67-56-1
EINECS: 200-659-6
[F] R11; [T] R23/24/25; [T] R39/23/24/25

3. HAZARDS IDENTIFICATION

Main hazards: Flammable. Causes burns.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: Irritation. Prolonged and repeated contact can cause redness, burns and blisters.
Eye contact: Irritation. Pain, reddening, watering.
Ingestion: Irritation of the gastrointestinal tract. May cause nausea, vomiting, dizziness and unconsciousness.
Inhalation: Irritation of nose, throat and respiratory tract. May cause drowsiness, dizziness, headache.

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove contaminated clothing, drench skin with plenty of water. If there is any skin damage or if irritation persists seek medical attention. Wash contaminated clothing before reuse.

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Eye contact: Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. Seek medical attention.

Ingestion: If accidentally swallowed, wash mouth out with water. Do not induce vomiting, keep at rest and obtain medical attention. If conscious give water to drink.

Inhalation: Remove to fresh air, keep the patient warm and at rest. If recovery is not rapid and complete seek medical attention.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Water spray, fog or mist. Do NOT use water jet. Carbon dioxide (CO₂). Dry chemical powder. Alcohol resistant foam. Sand or earth.

Exposure hazards: Corrosive. Flammable. In combustion may emit toxic fumes of carbon dioxide, carbon monoxide and oxides of phosphorous.

Protection of fire-fighters: Wear full protective clothing. Wear appropriate self-contained breathing apparatus. Cool closed containers exposed to fire with water spray. Do NOT allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Ventilate the area. Eliminate all sources of ignition. No Smoking. Avoid inhaling vapour. Avoid contact with skin and eyes. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing (see section 8).

Environmental precautions: Do not discharge into drains or rivers. If the product enters drains or sewers, the local water company should be contacted immediately. In the case of contamination of streams, rivers or lakes contact the relevant environment agency.

Clean-up procedures: Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite. Transfer into a suitable container for disposal in accordance with the waste regulations (see section 13) Do not use equipment in clean-up procedure which may produce sparks. Clean preferably with a detergent, avoid the use of solvents.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid generating mist. Avoid inhalation of vapour. Avoid skin and eye contact. Smoking, eating and drinking should be prohibited in areas of storage and use. Exclude sources of heat, sparks and open flame. Earth any equipment used in handling. Use non-sparking tools. The Manual Handling Operations Regulations may apply to the handling of containers of this product.

Storage conditions: Store in cool, dry, well ventilated area. Keep container tightly closed. Keep away from direct sunlight. Exclude sources of heat, sparks and open flame. Take precautionary measures to prevent product spills into drains, the ground or waters. Although the storage of this product is not subject to specific statutory requirements, the principles contained in the HSE guidance note Storage of Flammable Liquids in containers, should be observed.

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Suitable packaging: Ideally, keep in original container. If transfer is necessary use glass or polyethylene containers.
Do not store in metal containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: ETHANOL

TWA (8 hr exposure limit): 1920 mg/m³ (OES)

- METHANOL

TWA (8 hr exposure limit): 266 mg/m³ STEL (15 min exposure limit): 333 mg/m³ (OES)

Engineering measures: Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and/or solvent vapours below the relevant occupational exposure limits, suitable respiratory protective equipment should be worn (see Respiratory protection below).

Respiratory protection: If there is a risk of exposure to high vapour concentrations, use respiratory protective equipment. All personal protective equipment, including respiratory protective equipment, used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH Regulations.

Hand protection: Wear Nitrile gloves.

Eye protection: Goggles or face shield. Ensure eye bath is to hand.

Skin protection: Overalls are normally suitable, PVC apron if risk of splashing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Clear.

Odour: Alcoholic

Solubility in water: Miscible

Boiling point/range°C: 80

Flash point°C: 32

Relative density: 1.120-1.175 @ 20C

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Avoid heat, flames and sparks.

Materials to avoid: May liberate flammable gas (hydrogen) in contact with metals.

Haz. decomp. products: In combustion may emit toxic fumes of carbon dioxide, carbon monoxide and oxides of phosphorous.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: ETHANOL

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IVN RAT LD50 1440 mg/kg
 ORL MUS LD50 3450 mg/kg
 ORL RAT LD50 7060 mg/kg

- METHANOL

IVN RAT LD50 2131 mg/kg
 ORL MUS LD50 7300 mg/kg
 ORL RAT LD50 5628 mg/kg

Routes of exposure: This product has not been tested for toxicity. The toxicological properties given in this section are based on those of the hazardous components. May cause skin/eye irritation and corrosive burns. Vapour irritates the eyes and the respiratory tract. Prolonged inhalation of vapour or mists may cause lung inflammation. Ingestion may cause burns to the mouth, throat, oesophagus and stomach.

12. ECOLOGICAL INFORMATION

Mobility: Corrosive (low pH, acidic). Soluble in water. Partially volatile. Partially absorbed into soil. The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

Persistence and degradability: Expected to be biodegradable.

Bioaccumulative potential: Not expected to bioaccumulate.

Other adverse effects: There is no data available on the product itself.

13. DISPOSAL CONSIDERATIONS

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION**ADR / RID**

UN no: 1263
Labelling: 3

ADR Class: 3
Hazard ID no: 30

**IMDG / IMO**

UN no: 1263
Packing group: III
Marine pollutant: .

Class: 3
EmS: 3-05
Labelling: 3

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IATA / ICAO

| | |
|---------------------------|----------------------------------|
| UN no: 1263 | Class: 3 |
| Packing group: III | Packing instructions: 310 |
| Labelling: 3 | |

15. REGULATORY INFORMATION**Hazard symbols:** Corrosive.**Risk phrases:** R10: Flammable.
R34: Causes burns.**Safety phrases:** S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28: After contact with skin, wash immediately with plenty of water.
S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions. Safety Data Sheet complies with UK regulatory references in accordance with CHIP 3.**16. OTHER INFORMATION****Risk phrases used in s.2:** R34: Causes burns.
R11: Highly flammable.
R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.
R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.