



SAFETY DATA SHEET
SWARFEGA METAL CLEANER AND RESTORER

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Revision No: 2

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

Company Name: DEB Ltd
108 Spencer Road
Belper
Derbyshire
DE56 1JX
Tel: 01773 596700
Fax: 01773 820482

Product name: SWARFEGA METAL CLEANER AND RESTORER

Use / description of product: Rust & Scale Remover

2. COMPOSITION / INFORMATION ON INGREDIENTS

Contains: Blend of water soluble acids & surfactants.

Citric Acid CAS No: 5949-29-1 EINECS No: 201-069-1 [Xi]

R36/37/38

Non Ionic Surfactant CAS No: 24938-91-8 EINECS No: Polymer [Xn] R22, 34

Phosphoric Acid CAS No: 7664-38-2 EINECS No: 231-665-4 [C] R34

3. HAZARDS IDENTIFICATION

Main hazards: Causes burns.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: Causes irritation or burns

Eye contact: Causes irritation or burns

Ingestion: Causes burns to mouth throat & stomach

Inhalation: Fumes or vapour may cause irritation, nausea or drowsiness.

4. FIRST AID MEASURES (ACTION)

Skin contact: Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing & shoes. Wash clothing before re-use.

Eye contact: Wash immediately with clean water for at least 10 minutes. If any soreness or irritation persists seek medical advice.

Ingestion: Rinse mouth and throat thoroughly. Give about 1/2 pint of liquid to drink. Obtain immediate medical advice. DO NOT INDUCE VOMITING DUE TO THE DANGER OF ASPIRATION.

Inhalation: Remove to fresh air and seek medical advice if symptoms persist.

5. FIRE-FIGHTING MEASURES

Extinguishing media: This product is water based and will not support combustion.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Do not attempt to take action without suitable protective clothing - see section 8 of SDS.

Environmental precautions: Do not allow to contaminate watercourses or rivers.

[cont...]

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Clean-up procedures: In the event of spillage mop up bulk and dilute remainder to foul drain with water. Treat large spillages as industrial waste.

7. HANDLING AND STORAGE

Handling requirements: Do not mix with any material other than water, as directed. Wear suitable personal protective equipment, as detailed in section 8. Avoid contact with the eyes and skin. If the product is to be used for an application other than that stated on the label, contact Technical Services Hotline (01773 880367) to check suitability.

Storage conditions: Protect from extremes of temperature.

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hand protection: Wear suitable acid resistant gloves. Take further advice from reputable glove manufacturer / supplier regarding suitability /useful contact time of their recommended gloves.

Eye protection: Safety goggles or face shield should be worn if the product is used through high pressure equipment or splashing is anticipated.

Skin protection: Waterproof overalls and shoes / boots should be worn if the product is used through high pressure equipment or if splashing is anticipated.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Purple

Odour: Characteristic odour

Viscosity: Non-viscous

Evaporation rate: Slow

Solubility in water: Soluble

pH: 1.0 - 1.5

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Avoid extremes of temperature.

Materials to avoid: Do NOT mix with bleaches as this will liberate poisonous chlorine gas.

11. TOXICOLOGICAL INFORMATION

Effects of exposure Skin Contact - will cause burns. Eye Contact - Burns to the eye will occur. Ingestion - May cause gastrointestinal inflammation. Inhalation - Fumes may cause irritation.

12. ECOLOGICAL INFORMATION

Mobility: Non-volatile. Soluble in water.

Persistence and degradability: This product conforms to current EEC directives on biodegradability.

Other adverse effects: May be harmful to aquatic organisms due to pH shift.

13. DISPOSAL CONSIDERATIONS

Waste disposal: In the event of spillages or leaks mop up bulk and dilute remainder to foul drain with water. For large volumes follow local authority regulations.

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Disposal of packaging Drain well. Dispose of as normal industrial waste.

14. TRANSPORT INFORMATION

ADR / RID

UN no: 1805
ADR Class: 8
Hazard ID no: 80
Labelling: 8
Shipping name: PHOSPHORIC ACID

IMDG / IMO

UN no: 1805
Class: 8
Packing group: III
EmS: 8-08
Marine pollutant: NO
Labelling: 8

IATA / ICAO

UN no: 1805
Class: 8
Packing group: III
Packing instructions: 821
Quantity 60 L
Labelling: 8

15. REGULATORY INFORMATION

Hazard symbols: Corrosive.



Risk phrases: R34: Causes burns.

Safety phrases: S2: Keep out of the reach of children.

S24/25: Avoid contact with skin and eyes.

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 soap and 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).

S46: If swallowed, seek medical advice immediately and show this container or label.

16. ADDITIONAL INFORMATION

Additional information: If medical professionals require advice regarding first aid treatment all Deb products are registered at Guys Hospital, London. In all cases of potential poisoning supportive therapy is of the utmost importance. For additional information regarding Deb products

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please contact the Deb Technical Services Department (01773 880367). The above information complies with the 199/45/EC Directive and its amendments. Always ensure users are fully trained and read label before using product. Data Compiled using Raw Material Supplier Data and Lycos Classification System. Reason for Revision - Chip 3 Compliance

Legal disclaimer: The purpose of the above information is to describe the products only in terms of health and safety requirements. The information given should not, therefore, be construed as guaranteeing specific properties or as specification. Customers should satisfy themselves as to the suitability and completeness of such information for their own particular use.