

SAFETY DATA SHEET

SWARFEGA METAL CLEANER AND RESTORER

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Issued: 21/05/2004

Revision No: 3

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

Product name: SWARFEGA METAL CLEANER AND RESTORER

Use / description of product: Rust & Scale Remover

Company name: DEB Ltd

108 Spencer Road

Belper

Derbyshire

DE56 1JX

Tel: 01773 596700

Fax: 01773 820482

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients: CITRIC ACID BP 1-10%

CAS: 77-92-9

[Xi] R36/37/38

- NONIONIC SURFACTANT 1-10%

CAS: 24938-91-8

[Xn] R22; [Xi] R41

- ORTHO PHOSPHORIC ACID (100%) 10-30%

EINECS: 231-633-2 CAS: 7664-38-2

[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: If mist of the product is inhaled, it will cause severe burns to the respiratory system.

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. Seek medical advice if irritation persists.

Eye contact: Wash immediately with clean water for at least 10 minutes. Seek medical advice immediately.

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. Suitable extinguishing media for the surrounding fire should be used.

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Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

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

Environmental precautions: Contain and collect the spillage and absorb onto sand earth or absorbant granules. Do not allow to contaminate watercourses or rivers.

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.

Storage conditions: Protect from extremes of temperature. Keep away from direct sunlight.

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

Evaporation rate: Negligible

Solubility in water: Soluble

Viscosity: Non-viscous

pH: 1.0 - 2.0

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Avoid extremes of temperature. May react with alkaline substances.

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

Haz. decomp. products: None known.

11. TOXICOLOGICAL INFORMATION

Ingredients: CITRIC ACID BP

ORL RAT LD50 >2000 mg/kg

Routes 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.

[cont...]

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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

Disposal operations: Unwanted material should be disposed of as hazardous waste by registered contractor.

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

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: 1805	ADR Class: 8
Packing group: III	Classification code: C1
Shipping name: PHOSPHORIC ACID, LIQUID	
Labelling: 8	Hazard ID no: 80



IMDG / IMO

UN no: 1805	Class: 8
Packing group: III	EmS: F-A,S-B
Marine pollutant: NO	Labelling: 8

IATA / ICAO

UN no: 1805	Class: 8
Packing group: III	Packing instructions: 819(P&CA); 821(PAO)
Labelling: 8	

15. REGULATORY INFORMATION

Hazard symbols: Corrosive.



Risk phrases: R34: Causes burns.

Safety phrases: S1/2: Keep locked up and out of the reach of children.

S23: Do not breathe fumes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

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

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.

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 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 re-issue - revision of information.

Risk phrases used in s.2: R36/37/38: Irritating to eyes, respiratory system and skin.
R22: Harmful if swallowed.
R41: Risk of serious damage to eyes.
R34: Causes burns.

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.