

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

Product name: ODEX MACHINE CLEANER AND GLASS RENOVATOR

Use / description of product: Powder Type Cleaner for Rotary Brush and Cabinet Glasswashers, and Glass Renovating.

Company name: DEB Ltd

108 Spencer Road

Belper

Derbyshire

DE56 1JX

Tel: 01773 596700

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients: SODIUM METASILICATE 10-30%

EINECS: 229-912-9 CAS: 6834-92-0

[C] R34; [Xi] R37

- SODIUM DICHLORO ISOCYANURATE DIHYDRATE 1-10%

EINECS: 220-767-7 CAS: 51580-86-0

[Xn] R22; [-] R31; [Xi] R36/37; [N] R50/53

- ALIPHATIC ALCOHOLS, C12-C18 ETHOXYLATED 1-10%

EINECS: polymer

[Xi] R38; [N] R50/53

3. HAZARDS IDENTIFICATION

Main hazards: Causes burns. Irritating to respiratory system. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Other hazards: Contact with acids liberates toxic gas.

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. Seek medical advice immediately. Continue to rinse.

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.

SAFETY DATA SHEET

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5. FIRE-FIGHTING MEASURES**Extinguishing media:** Water. Carbon dioxide. Dry chemical powder.**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:** Do not allow to contaminate watercourses or rivers.**Clean-up procedures:** Collect spillage in containers, seal securely and deliver for disposal according to local regulations.**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. Keep away from direct sunlight.**Suitable packaging:** Must only be kept in original packaging.**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Hand protection:** Wear nitrile or plastic coated gloves. Take further advice from reputable glove manufacturer / supplier regarding suitability /useful contact time of their recommended gloves.**Eye protection:** Wear suitable eye protection such as safety goggles or a face shield.**Skin protection:** Not required under normal conditions or unless contact is prolonged.**9. PHYSICAL AND CHEMICAL PROPERTIES****State:** Powder**Colour:** White**Odour:** Characteristic odour**Solubility in water:** Soluble**pH:** 11 - 12 (1% Soln)**10. STABILITY AND REACTIVITY****Stability:** Stable under normal conditions.**Conditions to avoid:** Avoid extremes of temperature. Direct sunlight.**Materials to avoid:** Do NOT mix with bleaches as this will liberate poisonous chlorine gas.**Haz. decomp. products:** None known.**11. TOXICOLOGICAL INFORMATION****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.

12. ECOLOGICAL INFORMATION

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

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

13. DISPOSAL CONSIDERATIONS

Disposal operations: Collect bulk of material and transfer to strong polythene bag, dilute remainder to foul drain with water. Consult local authority for disposal instructions.

Disposal of packaging: Empty completely. 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:	3262	ADR Class:	8
Packing group:	III	Classification code:	C6
Shipping name:	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (SODIUM METASILICATE)		
Labelling:	8	Hazard ID no:	80

**IMDG / IMO**

UN no:	3262	Class:	8
Packing group:	III	EmS:	F-A,S-B
Marine pollutant:	.	Labelling:	8

IATA / ICAO

UN no:	3262	Class:	8
Packing group:	III	Packing instructions:	822(P&CA); 823(PAO)
Labelling:	8		

15. REGULATORY INFORMATION

Hazard symbols: Corrosive.
Dangerous for the environment.



Risk phrases: R34: Causes burns.
R37: Irritating to respiratory system.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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- Safety phrases:** S1/2: Keep locked up and out of the reach of children.
S22: Do not breathe dust.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S29: Do not empty into drains.
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.
S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

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: For additional information regarding Deb products please contact the Deb Technical Services Department (01773 880367). In all cases of potential poisoning supportive therapy is of the utmost importance. If medical professionals require advice regarding first aid treatment all Deb products are registered at Guys Hospital, London. 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. If the individual packs contain a maximum of 5KG, they may be transported under limited quantities for ADR and IMDG. Reason for re-issue - addition of limited quantities phrase.

Risk phrases used in s.2: R34: Causes burns.
R37: Irritating to respiratory system.
R22: Harmful if swallowed.
R31: Contact with acids liberates toxic gas.
R36/37: Irritating to eyes and respiratory system.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R38: Irritating to skin.

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.