

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

Product name: ODEX MACHINE DISHWASHING LIQUID
Use / description of product: Machine Dishwashing Liquid
Company name: DEB Ltd
108 Spencer Road
Belper
Derbyshire
DE56 1JX
Tel: 01773 596700
Fax: 01773 820482

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients: POTASSIUM HYDROXIDE (100%) 1-10%
CAS: 1310-58-3
EINECS: 215-181-3
[Xn] R22; [C] R35

- SODIUM HYPOCHLORITE SOLUTION CL ACTIVE <1%
CAS: 7681-52-9
EINECS: 231-668-3
[-] R31; [C] R34
- SODIUM METASILLICATE 1-10%
CAS: 6834-92-0
EINECS: 229-912-9
[C] R34; [Xi] R37

3. HAZARDS IDENTIFICATION

Main hazards: Causes severe burns.
Other hazards: Causes severe burns.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: Irritation or pain may occur at the site of contact.
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: Wash contaminated skin immediately with soap and water. Remove contaminated clothing and laundry before re-use. Seek medical advice if irritation persists.
Eye contact: Bathe the eye with running water for 15 minutes. Seek medical advice immediately. Continue to rinse.
Ingestion: Give about 1/2 pint of liquid to drink. Obtain immediate medical advice. DO NOT INDUCE VOMITING DUE TO THE DANGER OF ASPIRATION.

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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.

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of SDS for personal protection details. Avoid contact with skin and eyes.

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

Clean-up procedures: For large spills absorb bulk liquid into sand, earth or granules and consult local authority for disposal.

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 skin and eyes. Avoid inhalation of high concentrations of mist. 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: Store in cool, well ventilated area. Protect from extremes of temperature.

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection: Unlikely to be required in normal use.

Hand protection: Wear suitable natural rubber latex or nitrile 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: Wear Suitable Protective Clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Pale yellow

Odour: Characteristic bleach type odour.

Evaporation rate: Negligible

Solubility in water: Soluble

Viscosity: Non-viscous

pH: 13.0 - 14.0

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 any acids, as this may liberate chlorine gas.

Haz. decomp. products: None known.

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11. TOXICOLOGICAL INFORMATION

Ingredients: SODIUM HYPOCHLORITE SOLUTION...100% CL ACTIVE
ORL MUS LD50 5800 mg/kg

Routes of exposure: Eye Contact - Burns to the eye will occur. Skin Contact - will cause burns. Inhalation - May cause irritation to eyes, nose and throat following exposure to mists, vapours and fumes.
Ingestion - May cause nausea, irritation to the digestive system may occur. All companies / businesses should satisfy themselves as to the suitability of the product by carrying out a risk assessment.

12. ECOLOGICAL INFORMATION

Mobility: 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: 3266	ADR Class: 8
Packing group: II	Classification code: C5
Shipping name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (POTASSIUM HYDROXIDE (100%); SODIUM METASILICATE; SODIUM HYPOCHLORITE SOLUTION...100% CL ACTIVE)	
Labelling: 8	Hazard ID no: 80



IMDG / IMO

UN no: 3266	Class: 8
Packing group: II	EmS: F-A,S-B
Marine pollutant: .	Labelling: 8

IATA / ICAO

UN no: 3266	Class: 8
Packing group: II	Packing instructions: 808(P&CA); 812(PAO)
Labelling: 8	

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15. REGULATORY INFORMATION

Hazard symbols: Corrosive.



Risk phrases: R35: Causes severe 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.

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).

Precautionary phrases: Warning! Do not use together with other products. May release dangerous gases (chlorine).

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. Reason for revision - change in safety phrases.

Risk phrases used in s.2: R22: Harmful if swallowed.

R35: Causes severe burns.

R31: Contact with acids liberates toxic gas.

R34: Causes burns.

R37: Irritating to respiratory system.

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.