

## ULTRASIL 25

### 1. Identification of the material and supplier

#### Names

Product name : ULTRASIL 25  
 ADG : SODIUM HYDROXIDE SOLUTION  
 Supplier : ECOLAB PTY LTD (A.B.N. 59 000 449 990)  
 6 Hudson Ave, Castle Hill NSW 2154  
 Customer Service phone: 1 800 022 002  
 Free Fax Number: 1 800 655 679  
 Emergency telephone number : 1 800 124 170

#### Uses

Material uses : Cleaning product  
 Date of issue : 02-March-2006

### 2. Hazards identification

Statement of hazardous/dangerous nature : Classified as hazardous according to the criteria of NOHSC and classified as dangerous goods according to the ADG Code.  
 Risk phrases : R35 - Causes severe 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).

### 3. Composition/information on ingredients

Ingredient name	CAS number	Concentration
sodium hydroxide	1310-73-2	10 - <30
Sodium hypochlorite	7681-52-9	<10

Other ingredients, determined not to be hazardous according to NOHSC criteria, and not dangerous according to the ADG Code, make up the product concentration to 100%.

### 4. First-aid measures

#### First-aid measures

Eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin Contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion : Do not induce vomiting. Rinse mouth; then drink one or two large glasses of water. Contact a doctor or a Poisons Information Centre (Phone: 13 11 26). Get medical attention immediately. Never give anything by mouth to an unconscious person. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

Notes to physician : Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be needed.

## 5. Fire-fighting measures

Hazchem code	: 2R
Extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Fire/explosion hazards	: No specific hazard.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Hazardous Decomposition Products	: These products are carbon oxides (CO, CO <sub>2</sub> ), halogenated compounds, phosphates, hydrogen chloride. Some metallic oxides.

## 6. Accidental release measures

Personal Precautions	: Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.
Environmental precautions	: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
Methods for cleaning up	: If emergency personnel are unavailable, contain spilt material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dyke spilt material or otherwise contain material to ensure runoff does not reach a waterway. Place spilt material in an appropriate container for disposal.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

## 7. Handling and storage

Handling	: Do not add water directly to product. Slowly stir product into water. Avoid contact of spilt material and runoff with soil and surface waterways. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
Storage	: Keep container tightly closed. Keep container in a cool, well-ventilated area. Keep away from incompatibles, such as strong oxidizing material, acid, ammonium salts.
Material Compatibility	: Incompatible with aluminium, zinc, tin.

## 8. Exposure controls/personal protection

### Occupational exposure limits

<u>Ingredient name</u>	<u>Exposure limits</u>
Chlorine	NOHSC (Australia, 8/2005). PEAK: 3 mg/m <sup>3</sup> 15 minute/minutes. Form: All forms
sodium hydroxide	NOHSC (Australia, 8/2005). PEAK: 2 mg/m <sup>3</sup> 15 minute/minutes. Form: All forms
Engineering measures	: Local exhaust ventilation should be provided.
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

### Personal protection

Eyes	: Wear chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.
Hands	: Wear any impervious glove. Recommended: Elbow length PVC gloves.
Respiratory	: If ventilation is inadequate, use respirator that will protect against organic vapour and dust/mist. Respiratory protection should conform to AS/NZS 1715 and AS/NZS 1716.
Skin	: Wear synthetic apron, other protective equipment as necessary to prevent skin contact.

## 9 . Physical and chemical properties

Physical state	: Liquid.
Colour	: Yellow. (Light.)
Odour	: chlorine
Boiling point	: 100 °C
Melting point	: Not available.
Vapour pressure	: Not available.
Specific gravity	: 1.25 (Water = 1)
Flash point	: Product does not support combustion.
Vapour density	: Not available.
pH	: 14 (100%)
Solubility	: Easily soluble in cold water, hot water.

## 10 . Stability and reactivity

Stability	: The product is stable under normal ambient conditions of temperature and pressure.
Conditions to Avoid	: None identified.
Materials to avoid	: strong oxidizing material, acid, ammonium salts
Hazardous Decomposition Products	: These products are carbon oxides (CO, CO <sub>2</sub> ), halogenated compounds, phosphates, hydrogen chloride. Some metallic oxides.
Hazardous Reactions	: May generate heat on contact with water. May react vigorously with acids. Reacts with ammonium salts evolving ammonia gas

## 11 . Toxicological information

### Potential acute health effects

Inhalation	: Severely corrosive to the respiratory system.
Ingestion	: Causes severe burns.
Skin Contact	: Severely corrosive to the skin.
Eye contact	: Severely corrosive to the eyes.

### Potential chronic health effects

Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: No known significant effects or critical hazards.

## 12 . Ecological information

Ecotoxicity data	: Not available.
Persistence/degradability	: Not available.
Mobility	: Not available.
Other adverse effects	: No known significant effects or critical hazards.

## 13 . Disposal considerations

Methods of disposal	: Do not reuse product containers. The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of via a licensed waste disposal contractor.
---------------------	--

## 14 . Transport information

Regulation	UN number	Proper shipping name	Class	Packing group	Additional information
ADG	UN1824	SODIUM HYDROXIDE SOLUTION	8 (-)	III	<u>Hazchem code</u> 2R  <u>Initial emergency response guide</u> 37
IMDG	UN1824	SODIUM HYDROXIDE SOLUTION	8 (-)	III	<u>Emergency schedules (EmS)</u> F-A, S-B

## 15 . Regulatory information

Australian Inventory status : All substances are listed on AICS or exempt.

AU Classification : C - Corrosive

R35 - Causes severe burns.

Standard for the Uniform Scheduling of Drugs and Poisons

Schedule: S6.

Control of Scheduled Carcinogenic Substances

Ingredient name

Schedule

No listed substance

Product Registration Status : Kosher

## 16 . Other information

Prepared by : Regulatory Affairs

Date of previous issue : 11-May-2004

Change Made : New format.

References :

- ADG Code - Australian Transport of Dangerous Goods
- Adopted National Exposure Standard for Atmospheric Contaminants in the Occupational Environment
- Approved Criteria for Classifying Hazardous Substances
- List of Designated Hazardous Substances
- National Code of Practice for the Labelling of Workplace Substances
- National Code of Practice for the Preparation of Material Safety Data Sheets
- National Model Regulations for the Control of Scheduled Carcinogenic Substances
- National Model Regulations for the Control of Workplace Hazardous Substances
- Standard for the Uniform Scheduling of Drugs and Poisons

### Disclaimer

*The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.*