

## MATERIAL SAFETY DATA SHEET

### IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product (material) name:** WQ 2000 D

**Chemical description/Recommended use:** Cleaning/washing agent

#### **Maha Chemicals (Asia) Pte Ltd**

51 Tuas West Drive, Singapore 638415

Tel +65 6863 1808

Fax +65 6863 1819

sales@mahachem.com

### HAZARDS IDENTIFICATION

**Hazard Classification:** Irritant. Risk of serious damage to eyes.

**Risk phrase(s):** R-41 Risk of serious damage to eye.

**Safety phrase(s):** S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S-39 Wear eye/face protection.

### COMPOSITION/INFORMATION ON INGREDIENTS

This product is to be considered as a preparation according to EU-legislation.

| <b>Component</b>       | <b>CAS #</b>               | <b>Amount (by weight)</b> |
|------------------------|----------------------------|---------------------------|
| C08-14 Alkyl glucoside | 68515-73-1&<br>110615-47-9 | 50 %                      |
| Water                  | 7732-18-5                  | 50 %                      |

**Other information:** All components are registered in EINECS.

### FIRST AID MEASURES

**General:** Get medical attention immediately.

**Inhalation:** Not likely to occur.

**Skin:** Rinse with water.

**Eyes:** Immediately rinse with water for several minutes. Hold eyelids apart. Get medical attention immediately. Continue to rinse during transport.

**Ingestion:** Only when conscious, rinse mouth, give plenty of water to drink (approx. 500 ml). Contact physician if larger quantity has been swallowed (show this Safety Data Sheet).

## **FIRE FIGHTING MEASURES**

**Extinguishing media:** Water spray, fog or mist, foam, powder, carbon dioxide.

**Unusual fire hazards:** Non-flammable. If involved in a fire it will support combustion. Do not breathe fumes.

**Hazardous combustion products:** No typical hazardous decomposition products known.

## **ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** For personal protection see Section 8.

**Environmental precautions:** Prevent discharge of larger quantities to drain or water courses.

**Methods for cleaning up:** Larger spill: Contain spill with inert material. Absorb in vermiculite, dry sand or earth. Place in container for disposal according to local regulations. Small quantities may be flushed to drains with plenty of water.

## **HANDLING AND STORAGE**

**Handling:** The usual precautions for handling chemicals should be observed.

**Storage:** No specific storage precautions noted. For further information see product information sheet.

## **EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Exposure limits**

**Comments:** No exposure limits have been established.

**Engineering controls:** Provide eyewash station.

### **Personal protection**

**Hand:** Chemical resistant gloves required for prolonged or repeated contact. Use protective gloves made of: Neoprene or nitrile.

**Eyes:** Wear tightly fitting safety goggles.

## **PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**  
**Colour**

Liquid  
Yellowish

|  |             |                  |    |
|--|-------------|------------------|----|
| <b>Odour</b>                           | --          |                  |    |
| <b>Boiling point/range (°C)</b>        | 100         | Pressure (kPa)   |    |
| <b>Melting point/range (°C)</b>        | <-5         |                  |    |
| <b>Flash point (°C)</b>                | > 100       | Method           |    |
| <b>Autoignition temperature (°C)</b>   | > 150       |                  |    |
| <b>Lower explosion limit (vol %)</b>   | --          |                  |    |
| <b>Upper explosion limit (vol %)</b>   | --          |                  |    |
| <b>Vapour pressure</b>                 | --          | Temperature (°C) |    |
| <b>Relative vapour density (air=1)</b> | --          |                  |    |
| <b>Density (kg/m<sup>3</sup>)</b>      | 1070        | Temperature (°C) | 20 |
| <b>Bulk density (kg/m<sup>3</sup>)</b> |             |                  |    |
| <b>Viscosity</b>                       | ≧ 1000 mPas | Temperature (°C) | 20 |
| <b>pH value</b>                        | --          |                  |    |
| <b>pH value diluted solution</b>       | 11.5-12.5   | Conc. (%)        | 10 |
| <b>Solubility in water</b>             | Soluble     |                  |    |

Other physical data, The data are estimated from tests on similar products.  
(These data are typical for the product and not a specification)

## **STABILITY AND REACTIVITY**

**Stability:** Normally stable.

**Hazardous decomposition products:** No typical hazardous decomposition products known.

## **TOXICOLOGICAL INFORMATION**

### **Toxicological data**

LD50. oral rat > 2000 mg/kg <sup>1)</sup>  
LD50. dermal rat > 2000 mg/kg <sup>1)</sup>

### **Genotoxicity**

Ames' test: Not mutagenic

### **Toxicological information**

1) The value is estimated from tests on similar products

### **Health effects**

#### **Respiratory**

Not likely to occur

#### **Skin**

Defats the skin. Prolonged or frequent contact may give transient redness and skin cracking.

#### **Eyes**

Severely irritating. Risk of permanent corneal epithelial eye injury

#### **Ingestion**

Low acute toxicity. May cause irritation to mucous membranes in mouth and throat.

## **ECOLOGICAL INFORMATION**

### **Ecotoxicological data**

**Ecotoxicology** The product does not contain any substance(s) considered as harmful or toxic to aquatic organisms.

**Persistence and Degradability** Readily biodegradable. >60% BOD, 28 days, Closed Bottle Test (OECD 301D)

(The data are estimated from tests on similar products.) The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation(EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request or at the request of a detergent manufacturer."

## DISPOSAL CONSIDERATIONS

**Disposal methods:** Incineration is recommended. Dispose of in accordance with local authority requirements.

**Waste category:** Hazardous waste in accordance with the Council Directive 91/689/EEC of 12 December 1991 on hazardous waste.

## TRANSPORT INFORMATION

**Land transport**

**Sea transport**

**Air transport**

**Other information:** Not dangerous goods according to international transport regulations.

## REGULATORY INFORMATION



**Symbols (EU)**

**Risk phrases (EU):** R-41 Risk of serious damage to eye.

**Safety phrases (EU):** S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.S-39 Wear eye/face protection.

**Water hazard classification:** WGK: 1 (Germany). (Germany)

## OTHER INFORMATION

This information only concerns the above mentioned product as supplied and may not be valid if used with other product(s) or in any process. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.