

SAFETY DATA SHEET

according to 1907/2006/EC

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

JohnsonDiversey

JohnsonDiversey UK Limited

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Clearance Code

MR MUSCLE SINK & PLUGHOLE
Professional kitchen hygiene product.

Product Code
MSDS5829

TO :

2. HAZARDS IDENTIFICATION

Corrosive - causes burns.

Contact with acids liberates toxic gas.

Very toxic to aquatic organisms.

This product contains a material with an WEL published in HSE document EH40.

3. COMPOSITION / INFORMATION ON INGREDIENTS.

| CAS No | EINECS No | | | |
|------------|-----------|---|------------------|---------|
| 7681-52-9 | 231-668-3 | Sodium Hypochlorite | C, N: R31-34-50 | (5-15%) |
| 68955-55-5 | 273-281-2 | Amines, C ₁₂₋₁₈ -alkyldimethyl, N-oxides | Xi, N: R38-41-50 | (<5%) |
| 1310-73-2 | 215-185-5 | Sodium Hydroxide (WEL) | C: R35 | (<5%) |

Ingredients according to EC 648/2004:

5% to 15% : Chlorine based bleaching agents

Less than 5% : Nonionic surfactants, Soap

Full text of risk phrases are given in section 16.

4. FIRST AID MEASURES

| | |
|---------------------|---|
| Eyes : | Rinse immediately with copious amounts of water, holding the eyelids open and obtain immediate medical attention |
| Inhalation : | Remove from source of exposure. Obtain medical attention if symptoms develop. |
| Skin : | Wash skin immediately and thoroughly with water. Remove contaminated clothing. Obtain medical attention if symptoms develop. |
| Ingestion : | Remove product from mouth, give the casualty a small quantity of water to drink and obtain immediate medical attention. Do not induce vomiting. |

5. FIRE FIGHTING MEASURES

NON FLAMMABLE - In the event of a fire due to other causes the product is compatible with water, foam, carbon dioxide and dry powder extinguishers. May evolve toxic fumes if involved in a fire. Firefighters should wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

6. ACCIDENTAL RELEASE MEASURES

Wear suitable gloves and eye/face protection. Wear suitable respiratory protection. Hose away with plenty of water diluting to at least 1% w/v (10 g/litre) unless this would contaminate a water course or vegetation, in which case either collect, dilute as earlier and pour down wastewater drain (foul sewer) or absorb onto dry sand or similar material and dispose of to a licensed waste management company

7. HANDLING & STORAGE

Avoid contact with skin, eyes and clothing. Wear suitable gloves and eye/face protection. Do not mix with any other chemicals other than as advised by your JohnsonDiversey representative.

Store upright in original closed containers in a cool place. Keep away from acids.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

| | |
|----------------------|--|
| Hand : | Use gloves resistant to Sodium hydroxide |
| Eyes : | When handling neat product wear eye/face protection to EN 166 |
| Skin : | Wear protective overalls or bib resistant to alkalis. |
| Respiration : | Personal protection is not normally required unless a risk assessment indicates the need for it. |

WEL : Sodium Hydroxide: W.E.L. 2 mg/cu.m 15 min ref time.

ref. HSE publication EH40

9. PHYSICAL & CHEMICAL PROPERTIES

| | | | |
|--------------|--------------------------|--------------|--------------------------|
| Appearance : | Clear pale yellow liquid | Odour : | Chlorine-like |
| pH : | >12.5 | Solubility : | Fully miscible in water. |
| Density : | 1.12 g/cm ³ | | |

10. STABILITY & REACTIVITY

Keep away from acids. Contact with acids liberates chlorine. Hazardous decomposition products may include chlorine.

11. TOXICOLOGICAL INFORMATION

| | |
|--------------|--|
| Eyes : | Corrosive - Causes severe or permanent damage. |
| Skin : | Corrosive - causes severe burns. |
| Inhalation : | Severe irritant - Inhalation will cause irritation of the respiratory tract. |
| Ingestion : | Corrosive - Strong caustic effect on mouth and throat and danger of perforation to oesophagus and stomach. |

12. ECOLOGICAL INFORMATION

Very toxic to aquatic organisms. The classification of the product is due to the component(s) listed in section 3 with an environmental classification (R50-R53). Based on the environmental classification, the toxicity for aquatic organisms (as defined in 67/548/EEC, Annex V) is estimated to be <=1mg/L. The information in this section refers to the undiluted product.

13. DISPOSAL CONSIDERATIONS

This product does not contain any prescribed substance under the Environmental Protection Act (Prescribed Processes and Substances) Regulations 1991 but is classified as special waste under the Control of Substances (Special Waste) Regulations 1996. For small quantities wear suitable gloves and eye/face protection. Dilute with water to at least 1% w/v (10 g/litre) and pour down a wastewater drain (foul sewer). Rinse out containers at least twice and recycle if facilities exist or dispose of as commercial waste. For larger quantities contact a licensed waste management company.

European waste catalogue 20 01 15 Alkalines

14. TRANSPORT INFORMATION

| | |
|------------------|--|
| EEC Regulation : | Caustic alkali liquids, NOS, (sodium hydroxide, hypochlorite), UN1719, Class 8, PGIII |
| IMDG/UN : | Caustic alkali liquids, NOS, (sodium hydroxide, hypochlorite), UN1719, Class 8, PGIII. Marine Pollutant. |
| RID/ADR : | Caustic alkali liquids, NOS, (sodium hydroxide, hypochlorite), UN1719, Class 8, PGIII |
| ICAO/IATA : | Passenger Aircraft: 819, Y819 Cargo Aircraft: 821 |

15. REGULATORY INFORMATION

| | |
|------------------|--|
| Hazard symbol : | C, CORROSIVE, Contains sodium hydroxide and sodium hypochlorite N, Dangerous for the environment |
| Risk phrases : | R31 Contact with acids liberates toxic gas. R34 Causes burns. R50 Very toxic to aquatic organisms. |
| 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). S61 Avoid release to the environment. Refer to special instructions / safety data sheets. |

16. OTHER INFORMATION

Handle and apply only as recommended, for full information see product information sheet.

Internal Reference:- MSDS5892-03 (07-Sep-2009), FM004244 (FABYW06W39)

Text of risk phrases associated with ingredients listed in section 3.

R31 Contact with acids liberates toxic gas.

R34 Causes burns.

R35 Causes severe burns.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R50 Very toxic to aquatic organisms.

Change made to section 14.