

SAFETY DATA SHEET

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

DiverseyLever

DiverseyLever Limited

Weston Favell Centre Northampton NN3 8PD Tel 01604 405311 Fax 01604 406809 Out of hours emergencies 01604 401273

Clearance Code
DL10737

SUMA UNISON MAXI G3
Professional kitchen hygiene product

Product Code
646471

TO :

2. COMPOSITION / INFORMATION ON INGREDIENTS

CAS No	EINECS No			
1310-73-2	215-185-5	Sodium Hydroxide (OES)	C: R35	(>30%)
51580-86-0	220-767-7	Sodium dichloroisocyanurate dihydrate	Xn, N: R22-31-36/37-50/53	(<5%)
7722-88-5		Tetrasodium Pyrophosphate (OES)		(<5%)

Full text of R-phrases is given in section 16.

3. HAZARDS IDENTIFICATION

Corrosive - causes severe burns. Contact with acids liberates toxic gas. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. This product contains a material with an OES/MEL published in HSE document EH40.

4. FIRST AID MEASURES

- Eyes :** Rinse immediately with copious amounts of water for at least ten minutes, holding the eyelids open and obtain immediate medical attention.
- Inhalation :** Remove from source of exposure. Obtain immediate medical attention.
- Skin :** Flush the contaminated area with running water, remove contaminated clothing and wash before re-use. If irritation persists or there is any sign of tissue damage seek medical advice.
- 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 protective clothing including gloves and eye/face protection. Wear suitable respiratory protection. Sweep up and dispose of safely as solid waste. Hose down area with plenty of water, diluting to at least 1% w/w (10 g/litre). Ensure adequate ventilation.

7. HANDLING & STORAGE

Avoid contact with skin and eyes. Wear suitable gloves and eye/face protection. Do not breathe dust. Prevent the formation of dust. Do not mix with acids. Always add the product slowly to cold water. Do not mix with any other chemicals other than as advised by your DiverseyLever representative.

Store upright in original closed containers away from extremes of temperature. Keep away from acids. Keep dry.

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 :** When the product is used as directed, personal protective equipment is not required unless a risk assessment indicates the need for it For low levels of exposure use mask suitable for non-toxic nuisance and respirable dusts.

OES/MEL : Sodium Hydroxide: O.E.S. 2 mg/cu.m 15 min ref time.

ref. HSE publication EH40

Tetrasodium Pyrophosphate:
O.E.S. Long term value: 5 mg/m³

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance :	White solid	Odour :	Chlorine-like.
pH :	>12.5 (1% solution)	Solubility :	Soluble in water.
Relative Density :	1.13g/cm ³		

10. STABILITY & REACTIVITY

Reacts with water and acids. Contact with acids liberates toxic gas (chlorine). Hazardous decomposition products may include chlorine. Provided the product is stored in accordance with the approved guidelines there are no known hazardous decomposition products.

11. TOXICOLOGICAL INFORMATION

Eyes : Corrosive - causes severe burns.
Skin : Corrosive - causes severe burns.
Inhalation : Corrosive. May cause pulmonary oedema. May cause bronchospasm in chlorine sensitive individuals.
Ingestion : Corrosive. Strong caustic effect on mouth and throat and danger of perforation to oesophagus and stomach.

12. ECOLOGICAL INFORMATION

Ingredients according to EC 89/542:
More than 30% : Phosphates.
Less than 5% : Nonionic surfactants.
Less than 5% : Chlorine based bleaching agents.
Less than 5% : Polycarboxylates.
Harmful to aquatic organisms.
May cause long-term adverse effects in the aquatic environment. The classification of the product is due to the component(s) listed in section 2 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 10-100mg/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 : C, CORROSIVE, Sodium Hydroxide, Solid, Mixture, UN1823, Hazchem 2R
IMDG/UN : Sodium Hydroxide, Solid, Mixture, UN1823, Class 8, PG II
RID/ADR : Class 8, Item 41(b)
ICAO/IATA : Passenger Aircraft: 814, Y814
Cargo Aircraft: 816

15. REGULATORY INFORMATION

Hazard symbol : C, CORROSIVE, Contains Sodium Hydroxide.
Risk phrases :
R35 Causes severe burns.
R31 Contact with acids liberates toxic gas.
R52/53 Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.
Safety phrases :
S8 Keep container dry.
S22 Do not breathe dust.
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.
This product contains a material with an OES/MEL published in HSE document EH40.

16. OTHER INFORMATION

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

Internal Reference:- MSDS3423(17-Jun-2002), KH.MW.Dt49-01(Dec-2001)

Text of risk phrases associated with ingredients in section 2.

R22 Harmful if swallowed.

R31 Contact with acids liberates toxic gas.

R35 Causes severe burns.

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.

Changes made to section 2, 3, 8, 11, 12, 13 and 15.