

# 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  
DL10733

**SUMA UNISON OPAL G9**  
Professional kitchen hygiene product

Product Code  
**646588**

TO :

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

CAS No	EINECS No			
497-19-8	207-838-8	Sodium carbonate	Xi: R36	(15-30%)
6834-92-0	229-912-9	Disodium Metasilicate	C: R34-37	(5-15%)
51580-86-0	220-767-7	Sodium dichloroisocyanurate dihydrate	Xn, N: R22-31-36/37-50/53	(<5%)

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

## 3. HAZARDS IDENTIFICATION

Irritant - irritating to eyes and skin. 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 plenty of water, holding the eyelids open and seek medical advice.
- Inhalation :** Remove from source of exposure. Seek medical advice if effects persist
- Skin :** Flush the contaminated area with running water, remove contaminated clothing and wash before re-use.
- Ingestion :** Remove product from mouth, give the casualty a small quantity of water to drink and seek medical advice. 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. 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).

## 7. HANDLING & STORAGE

Avoid contact with skin and eyes. Prevent the formation of dust. Do not mix with any other chemicals other than as advised by your DiverseyLever representative. Do not mix with acids.

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

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

- Hand :** Use gloves resistant to alkalis.
- Eyes :** Personal protection is not normally required unless a risk assessment indicates the need for it.
- 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 :** Dusts: Total inhalable O.E.S. 10 mg/cu.m 8 hour TWA  
Respirable O.E.S. 5 mg/cu.m 8 hour TWA

ref. HSE publication EH40

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**9. PHYSICAL & CHEMICAL PROPERTIES**

<b>Appearance :</b>	White solid	<b>Odour :</b>	Chlorine-Like
<b>pH :</b>	11.0 - 11.5 (1% solution)	<b>Solubility :</b>	Soluble in water.
<b>Relative Density :</b>	0.99g/cm <sup>3</sup>		

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**10. STABILITY & REACTIVITY**

Exothermic reaction with acids. Contact with acids liberates chlorine. Provided the product is stored in accordance with the approved guidelines there are no known hazardous decomposition products.

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**11. TOXICOLOGICAL INFORMATION**

<b>Eyes :</b>	Irritant.
<b>Skin :</b>	Irritant.
<b>Inhalation :</b>	Irritant. May cause bronchospasm in chlorine sensitive individuals.
<b>Ingestion :</b>	Irritant.

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**12. ECOLOGICAL INFORMATION**

Ingredients according to EC 89/542:

More than 30% : Phosphates.

Less than 5% : Polycarboxylates.

Less than 5% : Nonionic surfactants.

Less than 5% : Chlorine based bleaching agents.

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.

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**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 29** Detergents containing dangerous substances

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**14. TRANSPORT INFORMATION**

<b>EEC Regulation :</b>	Not regulated.
<b>IMDG/UN :</b>	Not regulated.
<b>RID/ADR :</b>	Not regulated.
<b>ICAO/IATA :</b>	Not regulated.

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**15. REGULATORY INFORMATION**

<b>Hazard symbol :</b>	Xi, IRRITANT.
<b>Risk phrases :</b>	R31 Contact with acids liberates toxic gas. R36/38 Irritating to eyes and skin. R52/53 Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.
<b>Safety phrases :</b>	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. S37 Wear suitable gloves. 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.

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**16. OTHER INFORMATION**

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

Internal Reference:- MSDS3162 (17-Jun-2002), KH.MW.Dt90-01 (May-2002)

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**Text of risk phrases associated with ingredients listed in section 2.**

- R22 Harmful if swallowed.
- R31 Contact with acids liberates toxic gas.
- R34 Causes burns.
- R36 Irritating to eyes.
- R36/37 Irritating to eyes and respiratory system.
- R37 Irritating to respiratory system.
- R50/53 Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.  
Change to section 2, 3, 11, 12, 13 and 15.