

# SAFETY DATA SHEET

according to 1907/2006/EC

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

**JohnsonDiversey**

**JohnsonDiversey UK Limited**

Weston Favell Centre Northampton NN3 8PD Tel 01604 405311 Fax 01604 406809 Emergency Call 0800 052 0185

E-Mail: MSDSinfoUK@johnsondiversev.com

Clearance Code  
**R61759**

**SUMA REVOFLOW MAX P1**  
Professional kitchen hygiene product

Product Code  
**MSDS6049**

TO :

## 2. 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.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS.

CAS No	EINECS No			
1310-73-2	215-185-5	Sodium Hydroxide (WEL)	C: R35	(>30%)
51580-86-0	220-767-7	Sodium dichloroisocyanurate dihydrate	Xn, Xi, N: R22-31-36/37-50/53	(<5%)
111905-45-5	polymer	Alkyl alcohol alkoxylate	Xi, N: R38-50	(<5%)

Ingredients according to EC 648/2004:

15% to 30% : Phosphates

Less than 5% : Nonionic surfactants, Polycarboxylates, Chlorine based bleaching agents

Full text of risk phrases are given in section 16.

## 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 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 protective clothing including gloves and eye/face 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, eyes and clothing. Wear suitable gloves and eye/face protection. Prevent the formation of dust. 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 protective equipment should only be considered where product containment or extract ventilation are impracticable, or for use in an emergency.

**WEL :** Sodium Hydroxide, (Caustic Soda)  
W.E.L. 2 mg/cu.m 15 min ref time  
C R35 Causes severe burns

ref. HSE publication EH40

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance :</b>	White solid	<b>Odour :</b>	Chlorine like
<b>pH :</b>	>12.5 (1% Solution)	<b>Solubility :</b>	Soluble in water
<b>Density :</b>	1.10 g/cm <sup>3</sup>		

## 10. STABILITY & REACTIVITY

Reacts with water and acids. Reacts with acids releasing 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

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 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 10-100mg/L. When used for its intended purpose this product should not cause adverse effects in the environment.

## 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 :** Sodium Hydroxide, Mixture, UN1823, Class 8, PG II  
**IMDG/UN :** Sodium Hydroxide, Mixture, UN1823, Class 8, PG II  
**RID/ADR :** Sodium Hydroxide, Mixture, UN1823, Class 8, PG II  
**ICAO/IATA :** Passenger Aircraft: 814, Y814  
Cargo Aircraft: 816

## 15. REGULATORY INFORMATION

**Hazard symbol :** C, CORROSIVE, Contains sodium hydroxide  
**Risk phrases :** R31 Contact with acids liberates toxic gas.  
R35 Causes severe burns.  
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.

## 16. OTHER INFORMATION

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

Internal Reference:- MSDS6049-05 (09-Jul-2009), FM004277 (FAGFJ09W15)

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

R22 Harmful if swallowed.

R31 Contact with acids liberates toxic gas.

R35 Causes severe burns.

R36/37 Irritating to eyes and respiratory system.

R38 Irritating to skin.

R50 Very toxic to aquatic organisms.

R50/53 Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Change made to section 3, 7, 8, 10, 11 and 16.