

# SAFETY DATA SHEET

## 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

Clearance Code

**Mr. MUSCLE PROFESSIONAL MULTISURFACE CLEANER**  
Professional kitchen hygiene product

Product  
Code

**685412**

TO :

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

CAS No	EINECS No			
111-76-2	203-905-0	2-Butoxyethanol (OES)	Xn: R20/21/22-37	(<5%)
64-17-5	200-578-6	Ethanol (OES)	F, Xn: R10 - 20/21/22	(<5%)

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

## 3. HAZARDS IDENTIFICATION

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, holding the eyelids open and obtain immediate medical attention.  
**Inhalation :** Remove from source of exposure.  
**Skin :** Wash thoroughly with soap and water.  
**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 - Not classified as flammable but may burn in the event of a fire due to other causes. In this situation use water, water spray, carbon dioxide or dry powder extinguishers. May evolve toxic fumes if involved in a fire. Firefighters should wear self contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

Hose away with plenty of water diluting to at least 2.5% w/v (25 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 and eyes. Rinse and dry hands after use, for prolonged contact protection of the hands may be necessary. 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.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

**Hand :** Personal protection is not normally required unless a risk assessment indicates the need for it.  
**Eyes :** Personal protection is not normally required unless a risk assessment indicates the need for it.  
**Skin :** Personal protection is not normally required unless a risk assessment indicates the need for it.  
**Respiration :** Personal protection is not normally required unless a risk assessment indicates the need for it.

**OES/MEL :** 2-Butoxyethanol: O.E.S. 123 mg/cu.m 8 hour TWA  
B.M.V. 240 mmol butoxyacetic acid / mol creatinine in urine  
Vapour can be absorbed through intact skin

ref. HSE publication EH40

Ethanol (I.M.S.): O.E.S. 1920 mg/cu.m 8 hour TWA

---

**9. PHYSICAL & CHEMICAL PROPERTIES**

<b>Appearance :</b>	Clear red liquid	<b>Odour :</b>	Slightly perfumed
<b>pH :</b>	12.0 - 13.0	<b>Solubility :</b>	Fully miscible in water.
<b>Flammability :</b>	None Flammable	<b>Flash Point :</b>	Closed cup: 62°C.
		<b>Other :</b>	Viscosity dynamic: <5 cps

---

**10. STABILITY & REACTIVITY**

Provided the product is stored in accordance with the approved guidelines there are no known hazardous decomposition products.

---

**11. TOXICOLOGICAL INFORMATION**

<b>Eyes :</b>	Unlikely to be irritant in normal use.
<b>Skin :</b>	Unlikely to be irritant in normal use.
<b>Inhalation :</b>	Unlikely to be irritant in normal use.
<b>Ingestion :</b>	Unlikely to be irritant in normal use.

---

**12. ECOLOGICAL INFORMATION**

Ingredients according to EC 89/542:  
Less than 5% : E.D.T.A.  
Less than 5% : Nonionic surfactants.

---

**13. DISPOSAL CONSIDERATIONS**

This product does not contain any prescribed substance under the Environmental Protection Act (Prescribed Processes and Substances) Regulations 1991 and is not classified as special waste under the Control of Substances (Special Waste) Regulations 1996, but is classified as controlled waste under the Environmental Protection Act 1990. For small quantities, dilute with water to at least 2.5% w/v (25 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.

**European waste catalogue 20 01 29** Detergents containing dangerous substances

---

**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

---

**15. REGULATORY INFORMATION**

<b>Hazard symbol :</b>	None required
<b>Risk phrases :</b>	None required
<b>Safety phrases :</b>	S2 Keep out of reach of children. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. 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:- MSDS 03-Sep-1999 - Mr. Muscle Professional Multisurface Cleaner

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

R10 Flammable.  
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
R36 Irritating to eyes.  
R37 Irritating to respiratory system.