

# JOHN ASTLEY & SONS LTD

MATERIAL SAFETY DATA SHEET

52435 - 52436

18/01/07

## MR MUSCLE PROFESSIONAL KITCHEN CLEANER

### 1. IDENTIFICATION OF CHEMICAL

**Name of product:** Mr. Muscle Professional Kitchen Cleaner

**Product code:** 406590

**Stock Code/s:** 52435 to 52436

**Applications:** Professional kitchen hygiene product

**Manufacturer:** JohnsonDiversey UK Ltd  
Weston Favell Centre,  
Northampton,  
NN3 8PD  
Tel 01604 405311 Fax 01604 406809  
Out of hours emergencies 01604 401273

**Distributor:** John Astley & Sons Ltd,  
Renown Avenue,  
Coventry Business Park,  
Coventry, CV5 6UF.  
Tel: (024) 7685 4545. Fax: (024) 7685 4515. E-mail: sales@astleys.co.uk

### 2. COMPOSITION

Name	EC No.	CAS-No.	Content	Classification *
Ethanol	200-578-6	64-17-5	< 5%	F;Xn: R10-20/21/22
2-butoxyethanol (OES)	203-905-0	111-76-2	< 5%	Xn; R20/21/22, R37
Tetrasodium EDTA	-	64-02-8	0.1-1%	R36/38

\* The full text for all R-phrases are shown in section 16  
Occupational Exposure Limit(s), if available, are listed in Section 8

### 3. HAZARDS IDENTIFICATION

**Classification:** Non-dangerous according to the classification systems of the relevant EC guidelines. No physical/chemical, environmental or human health hazards have been reported or known.

### 4. FIRST AID MEASURES

**Inhalation:** May be irritating to nose, throat, and respiratory tract.  
If breathing is difficult remove to fresh air. Get medical attention.

**Ingestion** May be irritating to mouth, throat and stomach.  
Immediately drink plenty of water.  
Never give anything by mouth to an unconscious person.  
Get medical attention.

**Skin contact:** May be mildly irritating to skin.  
Immediately wash off with plenty of water. If irritation develops, get medical attention.

**Eyes contact:** May be moderately irritating to eyes.  
Immediately wash out with water. If irritation develops, get medical attention.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing Media:** Dry chemical, water spray, foam, carbon dioxide.  
Suitable extinguishing media for the surrounding fire should be used.

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### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Use appropriate personal protective equipment (see Section 8).

**Environmental precautions and cleanup methods:** In the event of major spillage:  
Use appropriate containment to avoid environmental contamination.  
Take up with inert absorbing material.  
Place in suitable clean, dry containers for disposal by approved methods.  
Use a water rinse for final cleanup.

### 7. HANDLING AND STORAGE

**Handling:** Do not mix with any other chemicals other than, as directed.  
Wear suitable personal protective equipment, as detailed in section 8.  
Avoid contact with skin and eyes.  
Avoid inhalation of high concentrations of mist.

**Storage conditions:** Store upright in cool, well-ventilated area.  
Protect from extremes of temperature.  
Keep out of reach of children.

**Suitable packaging:** Must only be kept in original packaging.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Respiratory protection:** Personal protection is not normally required unless a risk assessment indicates the need for it.

**Hand protection:** For prolonged contact, the use of rubber gloves resistant to detergents is recommended.

**Eye protection:** Safety glasses recommended.

**Skin protection:** Not required under normal circumstances.  
If major exposure is possible, wear suitable protective clothing.

**Hygiene Measures:** When using do not eat, drink or smoke.  
Wash promptly if skin becomes wet or contaminated.

**Information should be confirmed by workplace assessment.**

**OES/MEL:**

**HSE publication EH40** 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  
Ethanol (I.M.S.): O.E.S. 1920 mg/cu.m 8 hour TWA

**Ingredient Comments:** OES = Occupational Exposure Standard.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear liquid.  
**Odour:** Characteristic.  
**pH:** 12.0 - 13.0  
**Solubility:** Fully miscible in water.  
**Specific gravity:** 1.001  
**Flammability:** None Flammable.  
**Flash Point:** Closed Cup: 62°C (143.6°F)  
**Viscosity:** <5 cP (Dynamic).

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### 10. STABILITY AND REACTIVITY

**Stability:** The product is stable.  
Provided the product is stored in accordance with the approved guidelines there are no known hazardous decomposition products.

### 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity:** LD50 estimated to be > 2000 mg/kg.  
**Local effects:** Skin contact: May be mildly irritating to skin.  
Eyes contact: May be moderately irritating to eyes.  
**Specific effects:** None known.

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No environmental hazards have been reported or known.  
According to EC Criteria (73/404/ECC): All surfactants in this product covered by legislation are over 90% biodegradable.

### 13. DISPOSAL CONSIDERATIONS

**Methods of disposal:** Must not be disposed of together with domestic waste.  
Do not allow undiluted product to reach sewage system.  
Dispose of according to local authority regulations.  
**Disposal of packaging:** Rinse out containers at least twice and recycle if facilities exist or dispose of as commercial waste.  
**European waste catalogue 20 01 30** Detergents other than those mentioned in 20 01 29

### 14. TRANSPORT INFORMATION

**EEC Regulation:** This product is not classified for transport under ADR/IMDG regulations.

### 15. REGULATORY INFORMATION

**Hazard symbol:** None required  
**Risk phrases:** None required  
**Safety phrases:** S-2 Keep out of reach of children  
S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

### 16. OTHER INFORMATION

**Text of risk phrases in section 2:**  
R-10 Flammable.  
R-20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
R-36/38 Irritating to eyes and skin.  
R-37 Irritating to respiratory system.

#### DISCLAIMER

This information relates only to the specific material designated. Such information is, to the best of the our knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the users responsibility to satisfy himself as to the suitability of such information for his own particular use

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