

Mr. Muscle Professional Kitchen Cleaner

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

Product name : Mr. Muscle Professional Kitchen Cleaner
 Pack code : 406590
 Size : 750 ml
 Supplier : S C Johnson Professional
 Frimley Green, Camberley, Surrey GU16 5AJ, UK
 Tel: +44 (0) 1276 852852, FAX: +44 (0) 1276 852800
 Emergency telephone number : +44 (0) 1276 852852

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation : Preparation

Information on Hazardous Ingredients*

| Chemical name | CAS No. | % | EC Number | Symbol | R-Phrases |
|------------------|----------|-------|-----------|--------|----------------|
| Ethanol | 64-17-5 | 1-5 | | F | R11 |
| 2-butoxyethanol | 111-76-2 | 1-5 | 203-905-0 | Xn | R20/21/22, R37 |
| Tetrasodium EDTA | 64-02-8 | 0.1-1 | | Xi | R36/38 |

Occupational Exposure Limit(s), if available, are listed in Section 8

3. HAZARDS IDENTIFICATION

No physical/chemical, environmental or human health hazards have been reported or known.

4. FIRST-AID MEASURES

Effects and symptoms

Inhalation : May be irritating to nose, throat, and respiratory tract.
Ingestion : May be irritating to mouth, throat and stomach.
Skin contact : May be mildly irritating to skin.
Eye contact : May be moderately irritating to eyes.

First-aid measures

Inhalation : If breathing is difficult: Remove to fresh air. Get medical attention.
Ingestion : Immediately drink plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.
Skin contact : Immediately wash off with plenty of water. If irritation develops, get medical attention.
Eye contact : Immediately wash out with water. If irritation develops, get medical attention.

5. FIRE-FIGHTING MEASURES

Extinguishing media : Dry chemical, water spray, foam, carbon dioxide.
Special fire-fighting procedures : None known.
Unusual fire/explosion hazards : None known.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Put on 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 : Avoid contact with skin and eyes.
Storage : Store in a dry, cool and well-ventilated area. Keep away from heat. Protect from freezing. Keep out of the reach of children. For Professional use only.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

When handling product as supplied:

Engineering controls : No special ventilation requirements. General room ventilation is adequate.

Occupational Exposure Limits

Mr. Muscle Professional Kitchen Cleaner

| | |
|----------------------|---|
| Chemical name | OEL |
| Ethanol | TWA: 1920 (mg/m ³) from Health and Safety Executive [United Kingdom (UK)] |
| 2-butoxyethanol | TWA: 123 (mg/m ³) from Health and Safety Executive [United Kingdom (UK)] SKIN |

Personal protective equipment

| | |
|---------------------------|---|
| Respiratory system | : No specific personal protection equipment is required. |
| Skin and body | : If major exposure is possible, wear suitable protective clothing. |
| Hands | : Rubber gloves recommended for prolonged or repeated skin contact. |
| Eyes | : Safety glasses recommended. |

Information should be confirmed by workplace assessment.

9. PHYSICAL AND CHEMICAL PROPERTIES

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| Physical state | : Liquid |
| Colour | : Clear |
| Odour | : Characteristic. |
| Solubility | : Easily soluble in cold water. |
| pH | : 12 to 13 [Basic.] |
| Flash point | : CLOSED CUP: 62°C (143.6°F). |
| Viscosity | : <5 cP (Dynamic). |

10. STABILITY AND REACTIVITY

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| Stability | : The product is stable. |
| Conditions to Avoid | : None known. |
| Hazardous Reactions | : None known. |
| Hazardous decomposition products | : None known. |

11. TOXICOLOGICAL INFORMATION

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|------------------------------|--|
| Acute Toxicity | : LD ₅₀ estimated to be > 2000 mg/kg. |
| Local effects | |
| Skin irritation | : See section 4. |
| Eye irritation | : See section 4. |
| Sensitization | : None known. |
| Chronic toxicity | : None known. |
| Specific effects | |
| Carcinogenicity | : None known. |
| Mutagenicity | : None known. |
| Reproduction toxicity | : None known. |

12. ECOLOGICAL INFORMATION

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

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| Methods of disposal | : Disposal according to the local legislation. |
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14. TRANSPORT INFORMATION

This product is not classified for transport under ADR/IMDG regulations.

15. REGULATORY INFORMATION

National regulations

United Kingdom: No additional national regulations are known to the supplier.

EU Regulations

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|---|---|
| EU Classification (67/548/EEC-88/379/EEC) | : Classified as non-hazardous according to current legislation. |
| EINECS Status | : All components are included in the EINECS inventories. |

16. OTHER INFORMATION

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| Detergent/Cleaner Labelling (89/542/EEC) | : (0.2 - <5%) Non-ionic surfactants. (0.2 - <5%) EDTA. |
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HISTORY

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|-------------------------------|-----------------|
| Date of printing | : 05 Jan, 2000. |
| Date of previous issue | : 28 Apr, 1998. |

The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of issue and covers applications when used as directed.

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| 03 Sep, 1999. | 1 | |