

# Mr. Muscle Professional Glass Cleaner

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

Product name : Mr. Muscle Professional Glass Cleaner  
Pack code : 403530  
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
Propan-2-ol	67-63-0	1-5	200-661-7	F	R11
2-butoxyethanol	111-76-2	5-10	203-905-0	Xn	R20/21/22, R37
acetone	67-64-1	1-5	200-662-2	F	R11

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

## 3. HAZARDS IDENTIFICATION

Physical/chemical hazards : Flammable.  
Human health hazards : This product is not dangerous according to the EU regulations (67/548/EEC-88/379/EEC).  
Environmental hazards : No environmental 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, carbon dioxide.  
Special fire-fighting procedures : Fight fire from protected location or maximum possible distance.  
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 : Eliminate all ignition sources. In the event of major spillage: Use appropriate containment to avoid environmental contamination. Take up with sand or other incombustible 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. Keep away from sources of ignition. No smoking.

## 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 Glass Cleaner

<b>Chemical name</b>	<b>OEL</b>
Propan-2-ol	TWA: 999 STEL: 1250 (mg/m <sup>3</sup> ) from Health and Safety Executive [United Kingdom (UK)]
2-butoxyethanol	TWA: 123 (mg/m <sup>3</sup> ) from Health and Safety Executive [United Kingdom (UK)] SKIN
acetone	TWA: 1810 STEL: 3620 (mg/m <sup>3</sup> ) from Health and Safety Executive [United Kingdom (UK)]

**Personal protective equipment**

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

Information should be confirmed by workplace assessment.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical state</b>	: Liquid
<b>Colour</b>	: Clear Green.
<b>Odour</b>	: Faint odour
<b>Solubility</b>	: Easily soluble in cold water.
<b>pH</b>	: 8.5 to 9.5 [Basic.]
<b>Flash point</b>	: CLOSED CUP: 25°C (77°F).
<b>Viscosity</b>	: <5 cP (Dynamic).

**10. STABILITY AND REACTIVITY**

<b>Stability</b>	: The product is stable.
<b>Conditions to Avoid</b>	: Excessive heat.
<b>Hazardous Reactions</b>	: None known.
<b>Hazardous decomposition products</b>	: None known.

**11. TOXICOLOGICAL INFORMATION**

<b>Acute Toxicity</b>	: LD <sub>50</sub> estimated to be > 2000 mg/kg.
-----------------------	--

**Local effects**

<b>Skin irritation</b>	: See section 4.
<b>Eye irritation</b>	: See section 4.
<b>Sensitization</b>	: None known.
<b>Chronic toxicity</b>	: None known.

**Specific effects**

<b>Carcinogenicity</b>	: None known.
<b>Mutagenicity</b>	: None known.
<b>Reproduction toxicity</b>	: 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**

<b>Methods of disposal</b>	: Disposal according to the local legislation.
----------------------------	--

**14. TRANSPORT INFORMATION****International transport regulations**

<b>UN number</b>	: UN1993
<b>Packing group</b>	: III

**Land - Road/Railway**

<b>Proper shipping name</b>	: Limited quantity of flammable liquid n.o.s. mixture contains acetone
<b>ADR/RID Class</b>	: 3
<b>ADR/RID Item number</b>	: 31°C

**Sea**

<b>Proper shipping name</b>	: Limited quantity of flammable liquid n.o.s. mixture contains acetone
<b>IMDG Class</b>	: 3.3
<b>Medical First Aid Guide (MFAG)</b>	: 4.2
<b>Emergency Schedules (EmS)</b>	: 3-07
<b>Marine pollutant</b>	: None.

# Mr. Muscle Professional Glass Cleaner

## 15. REGULATORY INFORMATION

### National regulations

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

### EU Regulations

EU Classification (67/548/EEC-88/379/EEC) : FLAMMABLE.  
Risk phrases : R10- Flammable.  
Safety phrases : S2- Keep out of the reach of children.  
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
EINECS Status : All components are included in the EINECS inventories.

## 16. OTHER INFORMATION

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

### HISTORY

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.*

Date of issue 03 Sep, 1999.

Version 1

Page: 3/3