

SAFETY DATA SHEET

Mr. Muscle Professional Glass Cleaner

1. Identification of the substance/preparation and of the company/undertaking

Product name : Mr. Muscle Professional Glass Cleaner
Supplier : JohnsonDiversey
 Weston Favell Centre
 Northampton NN3 8PD
 Tel. 01604 405311
 United Kingdom (UK)
Emergency telephone number : +44 (0) 1276 852852
Product Use : Professional cleaning/maintenance product for building care.

2. Composition/information on ingredients

Substance/Preparation : Preparation

Chemical name*	CAS no.	%	EC Number	Classification
2-butoxyethanol	111-76-2	5-10	203-905-0	Xn; R20/21/22 Xi; R36/38
Acetone	67-64-1	1-5	200-662-2	F; R11 Xi; R36 R66, 67
Propan-2-ol	67-63-0	1-5	200-661-7	F; R11 Xi; R36 R67
See Section 16 for the full text of the R Phrases declared above				

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

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

3. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Risk Phrases : R10- Flammable.

4. First-aid measures

First-Aid measures

Inhalation : If breathing is affected, remove to fresh air. Get medical attention.
Ingestion : No specific first aid measures are required.
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.

Note: See section 8 for personal protective equipment and section 13 for waste disposal.

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.

<u>Ingredient Name</u>	<u>Occupational Exposure Limits</u>
2-butoxyethanol	HSE (United Kingdom (UK)). Skin TWA: 123 mg/m ³
Acetone	HSE (United Kingdom (UK)). TWA: 1810 mg/m ³ STEL: 3620 mg/m ³
Propan-2-ol	HSE (United Kingdom (UK)). TWA: 999 mg/m ³ STEL: 1250 mg/m ³

Personal protective equipment

- Respiratory system** : No specific personal protection equipment is required.
- Skin and body** : No specific personal protection equipment is required.
- Hands** : Rubber gloves recommended.
- Eyes** : Safety glasses recommended.

Information should be confirmed by workplace assessment.

9. Physical and chemical properties

- Physical state** : Liquid. (Liquid)
- Colour** : Clear Blue.
- Odour** : Faint odour
- pH** : 10.41 (Conc. (% w/w): 100) [Basic.]
- Flash point** : Closed cup: 31°C (87.8°F).
- Specific Gravity** : Not available.
- Solubility** : Easily soluble in cold water.
- Viscosity** : <5 cP (Dynamic).

10. Stability and reactivity

- Stability** : The product is stable.
- Conditions to Avoid** : Excessive heat.
- Hazardous reactions** : None known.
- Hazardous decomposition products** : None known.

11. Toxicological information

- Acute toxicity** : LD₅₀ estimated to be > 2000 mg/kg.

Effects and symptoms

- Skin contact** : May be moderately irritating to skin.
- Eye Contact** : May be moderately irritating to eyes.
- Inhalation** : May be irritating to nose, throat, and respiratory tract.
- Ingestion** : May be irritating to mouth, throat and stomach.
- Chronic toxicity** : None known.

12. Ecological information

Environmental hazards : When used for its intended purpose this product should not cause adverse effects in the environment.

13. Disposal considerations

Methods of disposal : Disposal according to the local legislation.

European Waste Catalogue (EWC) : 20 01 30

Hazardous Waste : The classification of the product may meet the criteria for a hazardous waste

14. Transport information

International transport regulations

Regulatory Information	UN number	Proper shipping name	Class	Packing group	Label	Additional Information
ADR/RID Class	Not regulated.	-	-			Hazard identification number 30
IMDG Class	Not regulated.	-	-			Emergency Schedules (EmS) 3-07
IATA-DGR Class	Not regulated.	-	-			-

15. Regulatory information

EU Regulations

Risk Phrases : R10- Flammable.

Safety Phrases : S2- Keep out of the reach of children.

16. Other information

Full text of R-Phrases with no. appearing in Section 2 - United Kingdom (UK) : R11- Highly flammable.
R10- Flammable.
R20/21/22- Harmful by inhalation, in contact with skin and if swallowed.
R36- Irritating to eyes.
R36/38- Irritating to eyes and skin.
R66- Repeated exposure may cause skin dryness or cracking.
R67- Vapours may cause drowsiness and dizziness.

Text of classifications appearing in Section 2 - United Kingdom (UK) : F - Highly flammable
Xn - Harmful
Xi - Irritant

MSDS code : JSDS99648

Formula No. : 675175.001

HISTORY

Date of printing : 12 September 2003

Date of issue : 12 September 2003

Version : 1

Notice to Reader This update concerns a re-issue related to the introduction of 99/45/EC and 2001/58/EC, and the 28th ATP of 76/768/EEC. In view of the large number of changes the individual revisions have not been indicated in this new version.

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.