

SAFETY DATA SHEET

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

JohnsonDiversey

JohnsonDiversey UK Limited

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Clearance Code

Mr. MUSCLE PROFESSIONAL GLASS CLEANER
Professional cleaning/maintenance product for building care

Product
Code

685362

TO :

2. COMPOSITION / INFORMATION ON INGREDIENTS

CAS No	EINECS No			
111-76-2	203-905-0	2-Butoxyethanol (OES)	Xn: R20/21/22-37	(5-15%)
67-64-1	200-662-2	Acetone (OES)	Xi: R11-36/37/38-66-67	(<5%)
67-63-0	200-661-7	Propan-2-ol (OES)	Xi, F: R11-36-67	(<5%)

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

3. HAZARDS IDENTIFICATION

Flammable.

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. Seek medical advice if effects persist.
- 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

FLAMMABLE - In the event of a fire use 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. Do not breathe vapour or spray mist. Do not mix with any other chemicals other than as advised by your JohnsonDiversey representative.

Store upright in original closed containers away from extremes of temperature. This product is classified FLAMMABLE and should be stored in accordance with the recommendations for higher flash point liquids in HSE Guidance Note HS(G)51 (Storage of Flammable Liquids in Containers) paragraphs 62-74.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

- Hand :** For prolonged contact, the use of gloves resistant to solvents is recommended.
- 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. Ensure adequate ventilation when applying the product.

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

Acetone
O.E.S. 3620 mg/cu.m 15 min ref time
O.E.S. 1810 mg/cu.m 8 hour TWA

Propan-2-ol, (Isopropanol), (Isopropyl Alcohol)
O.E.S. 1250 mg/cu.m 15 min ref time
O.E.S. 999 mg/cu.m 8 hour TWA

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance :	Clear green liquid	Odour :	Characteristic
Flammability :	Flammable	Solubility :	Fully miscible in water.
		Flash Point :	Closed cup: 25°C. This product with a flashpoint between 21°C & 61°C does support combustion.
		Other :	Viscosity dynamic: <5 cps

10. STABILITY & REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Eyes : Unlikely to be irritant in normal use.
Skin : Unlikely to be irritant in normal use.
Inhalation : Unlikely to be irritant in normal use.
Ingestion : Unlikely to be irritant in normal use.

12. ECOLOGICAL INFORMATION

Ingredients according to EC 89/542:
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 13** Solvents

14. TRANSPORT INFORMATION

EEC Regulation : F, FLAMMABLE, Flammable Liquid, NOS, (Acetone), UN1993, Hazchem 3[Y]
IMDG/UN : Flammable Liquid, NOS, (Acetone), UN1993, Class 3.3, PG III
RID/ADR : Class 3, Item 31(c)
ICAO/IATA : Passenger Aircraft: 309, Y309
Cargo Aircraft 310

15. REGULATORY INFORMATION

Hazard symbol : F, FLAMMABLE, contains Acetone and Isopropanol
Risk phrases : R10 Flammable
Safety phrases : 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 Glass Cleaner

Text of risk phrases associated with ingredients in section 2.

- R11 Highly flammable.
- R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
- R36 Irritating to eyes.
- R36/37/38 Irritating to eyes, respiratory system and skin.
- R37 Irritating to respiratory system.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.