



Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 15.01.2008

Revision: 15.01.2008

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

- **Product details**
- **Trade name:** MR MUSCLE WINDOW AND GLASS CLEANER
- **Ref. no.:** FACLW 07W46
- **Application of the substance / the preparation** Professional cleaning / maintenance product
- **Manufacturer/Supplier:** JohnsonDiversey
- **Further information obtainable from:** JohnsonDiversey local operating company
- **Information in case of emergency:** JohnsonDiversey local operating company

2 Hazards identification

- **Classification:** Non-dangerous according to the classification systems of the relevant EC guidelines.
- **Information concerning particular hazards for human and environment:** Not applicable.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 111-76-2 EINECS: 203-905-0	2-butoxyethanol	☒ Xn, ☒ Xi; R 20/21/22-36/38	5-15%
CAS: 67-64-1 EINECS: 200-662-2	acetone	☒ Xi, ☒ F; R 11-36-66-67	5-15%
CAS: 67-63-0 EINECS: 200-661-7	propan-2-ol	☒ Xi, ☒ F; R 11-36-67	<5%

Ingredients according to EC Detergents Regulation 648/2004

perfumes, Limonene

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First-aid measures

- **General information:** No special measures required.
- **After inhalation:** Remove from source of exposure. Obtain medical attention if symptoms develop.
- **After skin contact:**
Generally the product does not irritate the skin. Wash accidental spillage from skin. Obtain medical attention if symptoms develop.
- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Rinse out mouth and then drink plenty of water. If symptoms persist consult doctor.

5 Fire-fighting measures

- **Suitable extinguishing agents:** CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Put on appropriate personal protective equipment (see Section 8)
- **Measures for environmental protection:** Prevent seepage into sewage system, workpits and cellars.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

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Dispose of the material collected according to regulations.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Use common rules for working with chemicals.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store only in the original containers.
According to local legislation.
- **Information about storage in one common storage facility:** According to local legislation.
- **Further information about storage conditions:** None.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **Ingredients with limit values that require monitoring at the workplace:**

111-76-2 2-butoxyethanol

WEL ()	Short-term value: 50 ppm Long-term value: 25 ppm Sk
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67-64-1 acetone

WEL ()	Short-term value: 3620 mg/m ³ , 1500 ppm Long-term value: 1210 mg/m ³ , 500 ppm
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67-63-0 propan-2-ol

WEL ()	Short-term value: 1250 mg/m ³ , 500 ppm Long-term value: 999 mg/m ³ , 400 ppm
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- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:**
Personal protection is not normally required. However, inhalation of dust, vapour or aerosol should be avoided.
- **Protection of hands:** Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary.
- **Material of gloves -**
- **Penetration time of glove material -**
- **Eye protection:**
Safety glasses recommended in those cases where handling the undiluted product involves a risk of splashing.

9 Physical and chemical properties

- **General Information**

Form:	Liquid
Colour:	Green
Odour:	Characteristic
Melting point/Melting range:	Undetermined.

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Boiling point/Boiling range:	Undetermined.
Flash point:	32°C This product with a flashpoint between 21°C and 61°C does not support combustion.
Ignition temperature:	Not determined
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Vapour pressure:	Not determined
Density at 20°C:	0.987 g/cm ³
Solubility in / Miscibility with water:	Fully miscible.
alcohols:	Not determined
ketones:	Not determined
polar solvents:	Not determined
non-polar solvents:	Not determined
aliphatic hydrocarbons:	Not determined
aromatic hydrocarbons:	Not determined
organic solvents:	Not determined
chlorohydrocarbons:	Not determined
vegetable oils:	Not determined
glycols:	Not determined
paraffin oil:	Not determined
pH-value at 20°C:	10.0
Segregation coefficient (n-octanol/water):	Not determined

10 Stability and reactivity

- Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- Materials to be avoided:**
- Dangerous reactions:** No dangerous reactions known.
- Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- Acute toxicity:**
- Primary irritant effect:**
- on the skin:** Unlikely to be irritant in normal use.
- on the eye:** Unlikely to be irritant in normal use.
- inhalation:** Can cause irritation.
- sensitization:** No sensitizing effects known.
- Additional toxicological information:**
When used and handled according to instructions, the product is unlikely to have any harmful effects.

12 Ecological information

- Information about elimination (persistence and degradability):**
- Degree of elimination:** Not determined
- Mobility and bioaccumulation potential:** Not determined
- Ecotoxic effects:** Not determined
- Behaviour in sewage processing plants:** Not determined
- General notes:**
Must not reach sewage water or drainage ditch undiluted or unneutralized.

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

· **PBT assessments** -

13 Disposal considerations

- **Product:**
- **Recommendation:** Dispose according to local authority regulations.

· **European waste catalogue**

20 01 30 | detergents other than those mentioned in 20 01 29

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** water

14 Transport information

- **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 3 Flammable liquids.
- **Danger code (Kemler):** 30
- **UN-Number:** 1993
- **Packaging group:** III
- **Hazard label:** 3
- **Description of goods:** 1993 FLAMMABLE LIQUID, N.O.S., special provision 640E (ACETONE, ISOPROPANOL (ISOPROPYL ALCOHOL))

- **Transport/Additional information:**
Transport regulations include special provisions for certain classes of dangerous goods packed in limited quantities.

15 Regulatory information

- **Classification according to EU guidelines:**
Non-dangerous according to the guidelines of the relevant EU Directives. Observe the general safety regulations when handling chemicals.
- **Safety phrases:**
2 Keep out of the reach of children.
23 Do not breathe gas/fumes/vapour/spray.
51 Use only in well-ventilated areas.
- **Special designation of certain preparations:**
Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary.
Safety data sheet available for professional user on request.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant R-phrases**
11 Highly flammable.
20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

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36 Irritating to eyes.

36/38 Irritating to eyes and skin.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

· **Department issuing MSDS:** JohnsonDiversey Technical Centre, Prague

· **Contact:** Jana Roubickova

· *** Data compared to the previous version altered.**