

Material Safety Data Sheet

According to 91/155 EC, 93/112/EC, 2001/58/EC

This International MSDS is for information only. It does not meet all applicable regulatory requirements and does not replace the relevant statutory

data sheet for your country.

Printing Date 13.01.2004

Reviewed on 18.09.2003

1 Product and company identification

- **Brandname:** MR MUSCLE MULTI SURFACE
- **Application of the product:**
Professional cleaning/maintenance product for building care.
- **Manufacturer/Supplier:** JohnsonDiversey local operating company
- **Information department:** JohnsonDiversey local operating company
- **Emergency information:** JohnsonDiversey local operating company

2 Composition / Information on ingredients

- **Chemical characterization**
- **Description:**
Mixture in water of non-dangerous ingredients and the substances listed below.

Hazardous ingredients:
111-76-2 2-butoxyethanol < 5 %
Xn; R 20/21/22-36/38
EINECS: 203-905-0
- **Ingredients according to 89/542/EEC**
EDTA, non-ionic surfactants < 5%
- **Additional information:**
The full text of the relevant risk phrases is given in section 16.

3 Hazards identification

- **Classification:**
Non-dangerous according to the classification systems of the relevant EC guidelines.
- **Hazards for man and the environment:** void
- **Classification system**
The classification complies with current EC regulations on dangerous substances and preparations.

4 First aid measures

- **General information** No special measures required.
- **Inhalation** Not applicable.
- **Skin contact** Not applicable.
- **Eye contact** Wash immediately with copious amounts of water.
- **Ingestion**
Rinse out mouth and then drink one or two glasses of water (or milk).
In case of persistent symptoms obtain medical attention.

5 Fire fighting measures

- **Suitable extinguishing media**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or

(Continued on page 2)

Material Safety Data Sheet

According to 91/155 EC, 93/112/EC, 2001/58/EC

This International MSDS is for information only. It does not meet all applicable regulatory requirements and does not replace the relevant statutory

data sheet for your country.

Printing Date 13.01.2004

Reviewed on 18.09.2003

Brandname: MR MUSCLE MULTI SURFACE

(Continued from page 1)

alcohol-resistant foam.

· **Protective equipment:** No special measures required.

6 Accidental release measures

- **Protection of personnel:** Not required.
- **Environmental precautions:** Dilute with plenty of water.
- **Method of disposal:**
Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).
Dispose of the collected material according to the regulations.
- **Additional information:** No dangerous materials are released.

7 Handling and storage

- **Handling (see also sections 8 and 15)**
- **Information for safe handling:**
Use common rules for working with chemicals.
- **Information about protection against explosions and fires:**
No special measures required.
- **Storage**
- **Requirements for storage rooms and containers:** No special requirements.
- **Storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:**
No further data; see section 7.
- Components with limit values that require monitoring at the workplace: 64-17-5 ethanol (< 5%)
OES (Great Brittain): Long-term value: 1920 mg/m³, 1000 ppm
- 111-76-2 2-butoxyethanol (< 5%)
TLV (Europe): Short-term value: 246 mg/m³, 50 ppm
Long-term value: 98 mg/m³, 20 ppm
Skin
- OES (Great Brittain): Short-term value: 50 ppm
Long-term value: 25 ppm
New, Sk, Bmgv, IOELV
- **Additional information:**
The lists that were valid during the compilation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**
The usual precautionary measures for handling chemicals should be complied

(Continued on page 3)

Material Safety Data Sheet

According to 91/155 EC, 93/112/EC, 2001/58/EC

This International MSDS is for information only. It does not meet all applicable regulatory requirements and does not replace the relevant statutory

data sheet for your country.

Printing Date 13.01.2004

Reviewed on 18.09.2003

Brandname: MR MUSCLE MULTI SURFACE

(Continued from page 2)

with.

- **Breathing equipment:** Personal protection is not normally required.
- **Protection of hands:**
Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary.
- **Eye protection:**
Safety glasses are not normally required. However, their use is recommended in those cases where handling the undiluted product involves a risk of splashing.

9 Physical and chemical properties

· General Information

· **Form:** Liquid

· **Colour:**

Clear

Red

· **Odour:** Slightly perfumed

·

· **Change in condition**

· **Melting point/Melting range:**

Value/Range Unit Method

Not determined

· **Boiling point/Boiling range:**

Not determined

· **Flash point:**

Not applicable

· **Spontaneous combustion:**

Product is not self igniting.

· **Danger of explosion:**

Product is not explosive.

· **Density** at 20 ° C

1.01 g/cm³

· **Solubility in / Miscibility with**

· **Water:**

Fully miscible

· **pH-value:**

12.0 < pH ≤ 12.5

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **Dangerous reactions** Reacts with acids.

· **Hazardous decomposition products:**

No dangerous decomposition products known.

11 Toxicological information

· **Acute toxicity:**

· **LD50 (oral):**

Based on the toxicological classification the LD50 (oral) is estimated to be > 2000 mg/kg.

· **Primary irritant effect:**

(Continued on page 4)

Material Safety Data Sheet

According to 91/155 EC, 93/112/EC, 2001/58/EC

This International MSDS is for information only. It does not meet all applicable regulatory requirements and does not replace the relevant statutory

data sheet for your country.

Printing Date 13.01.2004

Reviewed on 18.09.2003

Brandname: MR MUSCLE MULTI SURFACE

(Continued from page 3)

- **skin contact:** Unlikely to be irritant in normal use.
- **eye contact:** Unlikely to be irritant in normal use.
- **inhalation:** Not applicable.
- **ingestion:** Unlikely to be harmful unless excessive amount ingested.
- **Additional toxicological information:**
The product is not subject to toxicological classification under the EC Dangerous Substances and Preparations Directives.
When used and handled according to instructions, the product is unlikely to have any harmful effects.

12 Ecological information

- **General notes:**
When used for its intended purpose this product should not cause adverse effects in the environment.

13 Disposal considerations

- **Product**
- **Recommendation:** Must not be disposed of together with domestic waste. Do not allow undiluted product to reach sewage system.
- **European waste catalogue**
20 01 30: detergents other than those mentioned in 20 01 29
- **Uncleaned packagings**
- **Recommendation:** Dispose of observing official regulations.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID Class:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -
- **Transport/Additional information:**
Non-dangerous according to above regulations.

15 Regulatory information

- **Classification according to EC guidelines:**
Non-dangerous according to the guidelines of the relevant EC Directives.

(Continued on page 5)

Material Safety Data Sheet**According to 91/155 EC, 93/112/EC, 2001/58/EC**

This International MSDS is for information only. It does not meet all applicable regulatory requirements and does not replace the relevant statutory

data sheet for your country.

Printing Date 13.01.2004

Reviewed on 18.09.2003

Brandname: MR MUSCLE MULTI SURFACE

(Continued from page 4)

Further indications on the label:

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

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract.

- **Text of risk phrases associated with ingredients listed in section 2**
20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
36/38 Irritating to eyes and skin.

Department issuing material safety data sheet:

JohnsonDiversey Europe BV, Professional & Regulatory Affairs, Regional Technical Centre - Europe, Utrecht, The Netherlands

Contact:

For information to JohnsonDiversey operating companies: JohnsonDiversey Europe BV, Professional & Regulatory Affairs, Regional Technical Centre - Europe, Utrecht, The Netherlands

International references:

- **MSDS code:** MSDS4517
- **Version:** 1
- **MSDS review date:** 18.09.2003
- **Formulation code:** 675174/003
- **Clearance code:** exJWP-system clearance