

Material Safety Data Sheet

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

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Printing Date 12.08.2003

Reviewed on 11.08.2003

1 Product and company identification

- **Brandname:** DOMESTOS PROFESSIONAL ORIGINAL (UK/IRL/CH/A)
- **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:

7681-52-9 sodium hypochlorite < 5 %

C; R 31-34

EINECS: 231-668-3

68955-55-5 amines, C12-18-alkyldimethyl, N-oxides < 5 %

Xi, N; R 38-41-50

EINECS: 273-281-2

1310-73-2 sodium hydroxide < 5 %

C; R 35

EINECS: 215-185-5

- **Ingredients according to 89/542/EEC**
chlorine-based bleaching agents, non-ionic surfactants, soap < 5%
- **Additional information:**
The full text of the relevant risk phrases is given in section 16.

3 Hazards identification

- **Classification:** Xi Irritant
- **Hazards for man and the environment:**
R 31 Contact with acids liberates toxic gas.
R 36/38 Irritating to eyes and skin.
- **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**
Wash skin immediately and thoroughly with water. Remove contaminated clothing.
Obtain medical attention if symptoms develop.
- **Eye contact**
Wash immediately with copious amounts of water. Obtain medical attention if symptoms develop.

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· **Ingestion**

Rinse out mouth and then drink one or two glasses of water (or milk). Obtain medical attention.

5 Fire fighting measures

· **Suitable extinguishing media**

CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

· **Protective equipment:** Put on breathing apparatus.

6 Accidental release measures

· **Protection of personnel:** Put on breathing apparatus.

· **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.

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:**

According to local legislation.

· **Storage in one common storage facility:**

Do not store together with acids.

According to local legislation.

· **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: 1310-73-2 sodium hydroxide (< 5%)

OES (Great Brittain): Short-term value: 2 mg/m³

· **Additional information:**

The lists that were valid during the compilation were used as basis.

· **Personal protective equipment**

· **General protective and hygienic measures**

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing.

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Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

· **Breathing equipment:** Personal protection is not normally required.

· **Protection of hands:**

Chemical-resistant protective gloves made of butyl or nitrile rubber (EN 374, category III). In consultation with the supplier of protective gloves a different type of similar quality may be chosen.

· **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

Pale yellow

· **Odour:** Chlorine-like

· **Change in condition**

· **Melting point/Melting range:** 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 1.08 g/cm³

· **Solubility in / Miscibility with**

· **Water:** Fully miscible

· **pH-value:** pH > 12.5

· **Viscosity:**

· **dynamic:** at 20 ° C 500 mPas

10 Stability and reactivity

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

No decomposition if used according to specifications.

· **Dangerous reactions** Reacts with acids releasing chlorine

· **Hazardous decomposition products:** Chlorine

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:**

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- **skin contact:** Causes irritation.
- **eye contact:** Causes irritation.
- **inhalation:**
Causes irritation and may cause bronchospasm in chlorine sensitive individuals.
- **ingestion:** Causes irritation.
- **Additional toxicological information:**
EC classification:
Irritant

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 29: detergents containing dangerous substances
- **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:**
The product has been classified and labelled in accordance with current EC Directives.
- **Symbol and hazard indication of product:** Xi Irritant
- **Risk phrases:**
31 Contact with acids liberates toxic gas.

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36/38 Irritating to eyes and skin.

· **Safety phrases:**

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

37 Wear suitable gloves.

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**

31 Contact with acids liberates toxic gas.

34 Causes burns.

35 Causes severe burns.

38 Irritating to skin.

41 Risk of serious damage to eyes.

50 Very toxic to aquatic organisms.

· **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:** MSDS4199

· **Version:** 1

· **MSDS review date:** 28.05.2003

· **Formulation code:** Big Apple UK-regular: 355639

· **Clearance code:** R60159