



Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 08.06.2007

Revision: 08.06.2007

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

- **Product details**
- **Trade name:** DIVERSPRAY
- **Ref. no.:** VC13-03
- **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:**



C Corrosive

- **Information concerning particular hazards for human and environment:**
R 35 Causes severe burns.
- **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: 1310-73-2 | sodium hydroxide | | C; R 35 | ≥30% |
| EINECS: 215-185-5 | | | | |

- **Ingredients according to EC Detergents Regulation 648/2004**

| | |
|--------------|------|
| phosphonates | < 5% |
|--------------|------|

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

4 First-aid measures

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:**
In case of unconsciousness place patient stably in side position for transportation.
Remove from source of exposure. Obtain medical attention if symptoms develop.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
Obtain medical attention if symptoms develop.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then obtain medical attention.
- **After swallowing:** Remove material from mouth. Drink plenty of water and obtain medical attention without delay.

5 Fire-fighting measures

- **Suitable extinguishing agents:** CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** In the case of fire, wear respiratory protective equipment and chemical protective suit.



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6 Accidental release measures

- **Person-related safety precautions:**
Wear protective equipment. Keep unprotected persons away.
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).
Ensure adequate ventilation.
Dispose of the material collected according to regulations.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Use common rules for working with chemicals.
For Professional use only.
- **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:** Keep receptacle tightly sealed.

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:**

1310-73-2 sodium hydroxideWEL () Short-term value: 2 mg/m³

- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **Respiratory protection:**
Personal protection is not normally required. However, inhalation of dust, vapour or aerosol should be avoided.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Material of gloves** nitrile rubber, NBR
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· Eye protection:



Tightly sealed goggles

9 Physical and chemical properties

· General Information

| | |
|----------------------------------------------|-----------------------------------------------|
| · Form: | Liquid |
| · Colour: | Clear |
| · Odour: | Characteristic |
| · Melting point/Melting range: | Undetermined. |
| · Boiling point/Boiling range: | Undetermined. |
| · Flash point: | Not applicable. |
| · 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: | 1.48 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 (10 g/l) at 20°C: | 13.0 |
| · 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 Reacts with acids with the evolution of heat.
- Dangerous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- Acute toxicity:
- LD/LC50 values relevant for classification:
LD50 (estimated) 0,2-2 g/kg. This value is no practical significant due to the corrosive nature of the product.

1310-73-2 sodium hydroxide

| | | |
|------|------|------------------|
| Oral | LD50 | 2000 mg/kg (rat) |
|------|------|------------------|

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· **Primary irritant effect:**

- **on the skin:** Strong caustic effect on skin and mucous membranes.
- **on the eye:** Strong caustic effect. May cause permanent damage.
- **inhalation:** Severe irritant, may cause pulmonary oedema.
- **sensitization:** No sensitizing effects known.

· **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Corrosive

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

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.

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 15 | alkalines L 47/30 16.2.2001 Official Journal of the European Communities EN |
|----------|-----------------------------------------------------------------------------|

· **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:** 8 Corrosive substances
- **Danger code (Kemler):** 80
- **UN-Number:** 1824
- **Packaging group:** II
- **Hazard label** 8
- **Description of goods:** 1824 SODIUM HYDROXIDE SOLUTION, mixture



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15 Regulatory information

- **Classification according to EU guidelines:**
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- **Code letter and hazard designation of product:**



C Corrosive

- **Hazard-determining components of labelling:**
sodium hydroxide
- **Risk phrases:**
35 Causes severe burns.
- **Safety phrases:**
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
28 After contact with skin, wash immediately with plenty of water.
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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**
35 Causes severe burns.
- **Department issuing MSDS:** JohnsonDiversey Technical Centre, Prague
- **Contact:** Jana Roubickova
- **Ref. no.:** VC13-03
- *** Data compared to the previous version altered.**