

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

- **Product identifier**
- **Brandname:** DIVOFLOW 185 VC41
- **Ref. no.:** FM003569
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / mixture:** Professional cleaning / maintenance product
- **Details of the supplier of the safety data sheet**
- **Manufacturer, importer, supplier:** Diversey local operating company
- **Information department:** Diversey local operating company
- **Emergency telephone number:** Diversey local operating company

2 Hazards identification

- **Classification of the substance or mixture**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **Classification system:**
The product has been classified and labelled in accordance with current EU regulations on dangerous substances and mixtures and corresponding national legislation.

Label elements

- **Symbol and hazard identification 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).
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

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

Dangerous components:

CAS: 1310-73-2	sodium hydroxide	C R35	5-15%
EINECS: 215-185-5			

- **Additional information:**
Occupational Exposure Limit(s), if available, are listed in Section 8
For the wording of the listed risk phrases refer to section 16.

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4 First aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **Inhalation:**
In case of unconsciousness place patient stably in side position for transportation.
Remove from source of exposure. Obtain medical attention if symptoms develop.
- **Skin contact:**
Immediately wash with water and soap and rinse thoroughly.
Obtain medical attention if symptoms develop.
- **Eye contact:** Rinse opened eye for several minutes under running water. Then obtain medical attention.
- **Ingestion:** Remove material from mouth. Drink plenty of water and obtain medical attention without delay.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed** No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing media:** CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Unsuitable extinguishing media:** -
- **Special hazards arising from the substance or mixture** -
- **Advice for firefighters**
- **Protective equipment:** In the case of fire, wear respiratory protective equipment and chemical protective suit.

* 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Put on appropriate personal protective equipment (see Section 8)
- **Environmental precautions:** Prevent seepage into sewage system, workpits and cellars.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).
Ensure adequate ventilation.
Dispose of the material collected according to regulations.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for waste disposal information.

7 Handling and storage

- **Precautions for safe handling**
Use common rules for working with chemicals.
For Professional use only.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements for storage rooms / facilities:**
Store only in the original containers.
According to local legislation.
- **Combined storage in storage rooms / facilities:** According to local legislation.

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8 Exposure controls/personal protection

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

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

1310-73-2 sodium hydroxide

WEL (Great Britain) Short-term value: 2 mg/m³

· **Additional information:** The lists valid during the making were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Take off contaminated clothing and wash before reuse

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- (EN 374, category III)

· **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.

· **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Liquid

Colour: Clear

· **Odour:** Characteristic

· **pH-value at 20°C:** 13.8

· **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:** 1.11 g/cm³

· **Solubility in / Miscibility with water:** Fully miscible.

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· 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

 · **Segregation coefficient (n-octanol/water):** Not determined

10 Stability and reactivity

- **Reactivity:**
- **Chemical stability:**
Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
- **Conditions to avoid:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** Reacts with acids with the evolution of heat.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values relevant for classification:**
LD50 (oral) is estimated to be 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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- **Skin contact (skin corrosion/irritation):** Strong caustic effect on skin and mucous membranes.
- **Eye contact (serious eye damage/irritation):** 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

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** The surfactants contained in the product comply with Detergent Regulation 648/2004/ES.
- **Behaviour in environmental systems:** Not determined
- **Ecotoxicological effects:** Not determined
- **Behaviour in sewage processing plants:** Not determined

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Printing date 22.02.2012

Revision: 22.02.2012

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- **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.
- **Results of PBT and vPvB assessment:** -
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Dispose of contents/container in accordance with local/regional/national/international regulations.
- **European waste catalogue**
- 20 01 15 alkalines L 47/30 16.2.2001 Official Journal of the European Communities EN
- **Uncleaned packaging:**
- **Recommendation:** Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Recommended cleansing agents:** water

14 Transport information

- **UN-Number**
- **ADR** UN1824
- **UN proper shipping name**
- **ADR** 1824 SODIUM HYDROXIDE SOLUTION
- **Transport hazard class(es)**
- **ADR**
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- **Class** 8 Corrosive substances
- **Label** 8
- **Packing group**
- **ADR** II
- **Danger code (Kemler):** 8
- **Transport/Additional information:**
- **ADR**
- **Tunnel restriction code** E

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Ingredients according to EC Detergents Regulation 648/2004**
- polycarboxylates < 5%
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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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.

· **Relevant phrases**

R35 Causes severe burns.

· **Department issuing MSDS:** *Diversey Prague*

· **Contact:** *Jana Roubickova*

· **International references:**

· **MSDS code:** *MSDS6806*

· **Version:** *01*

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