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

- **Product details**
- **Trade name:** SUMA D9
- **Application of the substance / the preparation** Professional kitchen hygiene product
- **Manufacturer/Supplier:** JohnsonDiversey
- **Further information obtainable from:** JohnsonDiversey local operating company
- **Information in case of emergency:** JohnsonDiversey local operating company

2 Composition/information on ingredients

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

- **Dangerous components:**

CAS: 1310-73-2 EINECS: 215-185-5	sodium hydroxide	C; R 35	5-<15%
CAS: 34590-94-8 EINECS: 252-104-2	(2-methoxymethylethoxy) propanol		1-<5%
CAS: 68515-73-1 NLP: 500-220-1	nonionic surfactant (alkyl polyglucoside)	Xi; R 41	1-<5%

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

3 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.

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:**
Seek immediate medical advice.
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.
- **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).
Dispose of the material collected according to regulations.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Use common rules for working with chemicals.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **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.
- **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:**

34590-94-8 (2-methoxymethylethoxy) propanol

OES	Long-term value: 308 mg/m ³ , 50 ppm
	IOELV, Sk

1310-73-2 sodium hydroxide

OES	Short-term value: 2 mg/m ³
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- **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.
Use suitable respiratory protective device only when aerosol or mist is formed.
- **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: Brown
Odour: Characteristic

· Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

· **Flash point:** Not applicable.

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density at 20°C:** 1.120 g/cm³

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

· **pH-value at 20°C:** 13.0

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Materials to be avoided:**

· **Dangerous reactions** Strong exothermic reaction with acids.

· **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.



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12 Ecological information

· **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.

The surfactants used in this product are biodegradable in compliance with the requirements of EC Directives 73/404/EEC and 73/405/EEC and their subsequent amendments.

13 Disposal considerations

· **Product:**

· **Recommendation** Dispose according to local authority regulations.

· **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

· **Maritime transport IMDG:**

· **Marine pollutant:** No

· **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:**

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:**

23 Do not breathe gas/fumes/vapour/spray.

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).

51 Use only in well-ventilated areas.



JohnsonDiversey

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According to 91/155 EC

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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.

41 Risk of serious damage to eyes.

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

· **Contact:** Jana Roubickova

· **Ref. no.:** KH.HS.SP19-01

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