

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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Revision: 5
Revision date: 04/07/18

NEO HDLS

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

1.1. Product identifier

Product name NEO HDLS

1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [SU19] Building and construction work; [PC0] Other; [PROC11] Non-industrial spraying; [ERC8b] Wide dispersive indoor use of reactive substances in open systems [ERC8e] Wide dispersive outdoor use of reactive substances in open systems;

Description Alkaline Cleaning Solution.

1.3. Details of the supplier of the safety data sheet

Company Flowplant Group Ltd
Address Gemini House
Brunel Road
Churchfields Ind. Est.
Salisbury
Wiltshire. SP2 7PU.
United Kingdom

Web www.flowplant.com
Telephone 01722 325424
Fax 01722 411329
Email chemicals@flowplant.com

Email address of the competent person
chemicals@flowplant.com

1.4. Emergency telephone number
07889 745 930.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Skin Corr. 1A: H314;

2.2. Label elements

Label elements under CLP:

Hazard statements: H314: Causes severe skin burns and eye damage.

Signal words: Danger

Hazard pictograms: GHS05: Corrosion



Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P260: Do not breathe dust/fume/gas/mist/vapours/spray
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P363: Wash contaminated clothing before reuse.
P501: Dispose of contents to hazardous waste.

2.3. Other hazards

PBT: This product is not identified as a PBT substance.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

EC 1272/2008

Chemical Name	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Sodium Hydroxide	1310-73-2			10 . 20	C: R35 Skin Corr. 1A: H314
Amphoteric Surfactant	61789-40-0			0.5 . 1	Xi: R41 Eye Dam. 1: H318; Aquatic Chronic 3: H412;

SECTION 4: First aid measures**4.1. Description of first aid measures**

Inhalation	Move the exposed person to fresh air. If not breathing, give artificial respiration.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing.
Ingestion	DO NOT INDUCE VOMITING. Rinse mouth with water.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	Risk of producing lung oedema.
Eye contact:	Causes severe burns to eyes. The eyes may water profusely. There may be severe pain. The vision may become blurred. There may be permanent damage.
Skin contact	Painful burns (effects may not be immediate).
Ingestion:	Corrosive to mucous membranes.

4.3. Indication of any immediate medical attention and special treatment needed

Inhalation	Seek immediate medical attention. (show the label where possible).
Eye contact	Seek immediate medical attention. (show the label where possible).
Skin contact	Seek immediate medical attention. (show the label where possible).
Ingestion	Seek immediate medical attention. (show the label where possible).

SECTION 5: Firefighting measures**5.1. Extinguishing media**

Use extinguishing media appropriate to the surrounding fire conditions.

5.2. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation of the working area. Avoid contact with skin and eyes.

6.2. Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

6.3. Methods and material for containment and cleaning up

Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

6.4. Reference to other sections

See section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION for further information.
See section 13. DISPOSAL CONSIDERATIONS for further information.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Ensure adequate ventilation of the working area. Avoid contact with eyes and skin.
Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed. Keep in a cool, dry, well-ventilated area.
Store in correctly labelled containers.

7.3. Specific end use(s)

See section 1.2. Relevant identified uses of the substance or mixture and uses advised against for further information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<u>Components</u>	<u>CAS-No.</u>	<u>8 hour TWA</u>	<u>15 min. STEL</u>	<u>Basis</u>
Sodium Hydroxide	1310-73-2	2 mg/m ³	2 mg/m ³	UK EH40 WEL

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures

	Wear protective clothing.
Eye / face protection	Approved safety goggles.
Skin protection . Hand protection	Wear suitable gloves.
Skin protection - Other	Wear suitable protective clothing.
Respiratory protection	Wear suitable respiratory equipment when necessary.
Occupational exposure controls	Keep away from food, drink and animal feedingstuffs.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined.
pH-value at 20 °C:	13.5 ± 0.5
Melting point:	Not determined.
Boiling point:	Not determined.
Flash point:	Not applicable.
Flammability (solid, gaseous):	Not applicable.
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Self-igniting:	Not determined.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	Not determined.
Vapour pressure:	Not determined.
Density at 20 °C:	1.150 g/cm ³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with water:	Fully miscible.
oxidizing properties	Not determined.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic at 20 °C:	Not determined.
Kinematic:	Not determined.

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

On contact with water, heat is evolved. The reaction may be vigorous.

10.4. Conditions to avoid

No data is available on this product.

10.5. Incompatible materials

Water / Strong Acids.

10.6. Hazardous decomposition products

No data is available on this product.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation Blistering may occur. Progressive ulceration will occur if treatment is not immediate.
Serious eye damage/irritation Corneal burns may occur. May cause permanent damage.

11.1.4. Toxicological Information

Acute toxicity: Not determined.

SECTION 12: Ecological information

12.1. Toxicity Not determined.

12.2. Persistence and degradability

No data is available on this product.

12.3. Bioaccumulative potential

No data is available on this product.

Partition coefficient No data available

12.4. Mobility in soil No data is available on this product.

12.5. Results of PBT and vPvB assessment

No data is available on this product.

12.6. Other adverse effects

No data is available on this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations.

SECTION 14: Transport information

14.1. UN number

UN number: UN 3266

14.2. UN proper shipping name

Shipping name: CORROSIVE LIQUID, BASIC, INORGANIC N.O.S. (Contains Sodium Hydroxide)

14.3. Transport hazard class(es)

Transport class: 8



14.4. Packing group

Packing group: II

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Tunnel code: E

Transport category: 2

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

This product is not intended to be transported in bulk.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

15.2. Chemical safety assessment

No data is available on this product.

SECTION 16: Other information

Other information

Revision

This document differs from the previous version in the following areas:

- 2 - 2.1. Risk phrases.
- 2 - 2.1. Safety phrases.

Text of Hazard Statements

Skin Corr. 1A: H314	Causes severe skin burns and eye damage.
Eye Dam. 1: H318	Causes serious eye damage.
Aquatic Chronic 2: H412	Harmful to aquatic life with long-lasting effects.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.