

SAFETY DATA SHEET

according to (EU) Regulation 2015/830

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Revision: 4
Revision date: 12/07/2023

NEO 325

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

1.1. Product identifier

Product name NEO 325

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 Acidic 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: Eye Irrit. 2; H319
Skin Irrit. 2; H315

2.2. Label elements

Label elements under CLP:

Hazard statements: H315: Causes skin irritation
H319: Causes serious eye irritation.
H290: May be corrosive to metals

Signal words: Warning

Hazard pictograms: GHS07: Irritant



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
P264: Wash thoroughly after handling.
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
Hydrochloric Acid	7647-01-0		012119484862-27-0000	1 – 10	Met. Corr. 1: H290; Skin Corr. 1B: H314; STOT SE 3: H335
Acetic Acid	64-19-7		01-2119475328-30-XXXX	1 – 5	Skin Corr. 1a: H314; Flam. Liq. 3: H226
2-Butoxyethanol	111-76-2	203-905-0		1 – 10	Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315;

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 irritation to eyes. The eyes may water profusely. There may be severe pain. The vision may become blurred.
Skin contact	Causes severe irritation to skin (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

8.1 Control parameters

<u>Component</u>	<u>CAS-No.</u>	<u>8 hour TWA</u>	<u>15 min. STEL</u>	<u>Basis</u>
2-Butoxyethanol	111-76-2	123 mg/m ³	246 mg/m ³	UK EH40 WEL
<u>Components</u>	<u>CAS-No.</u>	<u>8 hour TWA</u>	<u>15 min. STEL</u>	<u>Basis</u>
Hydrochloric Acid	7647-01-0	2 mg/m ³	8 mg/m ³	UK EH40 WEL

HYDROCHLORIC ACID:-

DNEL

Workers –

Inhalation; Long term local effects: 8 mg/m³

Workers - Inhalation; Short term local effects: 15 mg/m³

PNEC

- Fresh water; 36 mg/l

- Marine water; 36 mg/l

- Intermittent release; 45 mg/l

- STP; 36

<u>Component</u>	<u>CAS-No.</u>	<u>8 hour TWA</u>	<u>15 min. STEL</u>	<u>Basis</u>
Acetic Acid	64-19-7	25 mg/m ³		91/322/EEC

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	25 mg/m ³	Workers	Local
DNEL	Inhalation	25 mg/m ³	Workers	Local
DNEL	Inhalation (repeated dose)	25 mg/m ³	Consumers	Local
DNEL	Inhalation	25 mg/m ³	Consumers	Local
PNEC	Fresh Water	3.058 mg/l	-	-
PNEC	Marine Water	0.3058 mg/l	-	-
PNEC	Fresh Water Sediment	11.36 mg/kg	-	-
PNEC	Marine Water Sediment	1.136 mg/kg	-	-
PNEC	Aqua Sediment	30.58 mg/l	-	-
PNEC	Soil	0.478 mg/kg	-	-
PNEC	Sewage Treatment Plant	85 mg/l	-	-

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	Viscous Liquid
Colour:	Yellow
Odour:	Characteristic
Odour threshold:	Not determined.
pH-value at 20 °C:	1.0 ± 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:	1.050 g/cm ³
Relative density	Not determined.
Vapour density	Not determined.
Particle characteristics	Not applicable.
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
No data is available on this product.

10.4. Conditions to avoid
No data is available on this product.

10.5. Incompatible materials
No data is available on this product.

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 3264
- 14.2. UN proper shipping name**
Shipping name: CORROSIVE LIQUID, ACIDIC, INORGANIC N.O.S. (Contains Hydrochloric Acid)
- 14.3. Transport hazard class(es)**
Transport class: 8
- A diamond-shaped hazard pictogram with a black border. Inside, there is a black triangle pointing downwards with the word 'CORROSIVE' written in white capital letters. Below the triangle is the number '8' in white. The background of the diamond is white.
- 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

SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**
Regulations EU legislation Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 2015/830 (which amends Regulation (EC) No 453/2010 & 1907/2006). The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures. Ingredients are listed with classification under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures. 15.2.
- 15.2. Chemical safety assessment**
No chemical safety assessment has been carried out on this product / mixture.

SECTION 16: Other information

- Other information**
- Revision** This document differs from the previous version in the following areas:
SECTION 2: Hazards identification
SECTION 3: Composition/information on ingredients
SECTION 4: First aid measures
8.1 Control parameters
SECTION 9: Physical and chemical properties
SECTION 14: Transport information

Text of Hazard Statements

Skin Corr. 1B: H314	Causes severe skin burns and eye damage.
STOT SE 3: H335	May cause respiratory irritation.
Flam. Liq. 3: H226	Flammable liquid and vapour.
Skin Corr. 1A: H314	Causes severe skin burns and eye damage.
Acute Tox. 4: H302	Harmful if swallowed.
Acute Tox. 4: H312	Harmful in contact with skin.
Skin Irrit. 2: H315	Causes skin irritation.
Eye Irrit. 2: H319	Causes serious eye irritation.
Acute Tox. 4: H332	Harmful if inhaled.

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.