

Safety data sheet

according to UK REACH (SI 2020/1577) as amended

Printing date 11.12.2024

Version number 1

Revision: 11.12.2024

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

1.1 Product identifier

Trade name: CURTAIN WASH C4**Product Code:** HS01200**Registration number** Mixture

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

Product category PC35 Washing and cleaning products (including solvent based products)**Application of the substance / the mixture** Cleaning agent/ Cleaner

Uses advised against

Any use carrying a risk of direct contact with eyes/skin where workers are exposed without adequate personal protective equipment (PPE).

Any use involving aerosol formation or vapour release in excess of the assigned Workplace Exposure Limit where workers are exposed without suitable Respiratory Protective Equipment.

1.3 Details of the supplier of the safety data sheet

Supplier:

Pennine Lubricants Ltd
32 Atlas Way
Sheffield
S4 7QQ

Tel: 0114 285 2987

Email: Admin@penninelubricants.co.uk

Further information obtainable from: Product safety department.

1.4 Emergency telephone number:

Members of the public seeking specific information on poisons should contact:

In England and Wales: NHS 111 - dial 111

In Scotland: NHS 24 - dial 111

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to GB-CLP

Skin Corr. 1B H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.

2.2 Label elements

Labelling according to GB-CLP The product is classified and labelled according to the GB CLP regulation.**Hazard pictograms**

GHS05

Signal word Danger**Hazard-determining components of labelling:**

Non-ionic surfactant

Sodium hydroxide

Benzenesulfonic acid derivative, neutralised

Tetrasodium ethylenediaminetetraacetate

Hazard statements

H314 Causes severe skin burns and eye damage.

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Precautionary statements

P260 Do not breathe dusts or mists.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, If present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****3.2 Mixtures****Description:** An aqueous solution of the substances listed below with multifunctional additives.**Dangerous components:**

CAS: 68439-46-3 EC number: 614-482-0	Non-ionic surfactant ☞ Eye Dam. 1, H318; ☞ Acute Tox. 4, H302	3 – 10%
Neutralisation product	Etidronic acid, neutralised ☞ Acute Tox. 4, H302; Eye Irrit. 2, H319 ATE: LD50 oral: 500 mg/kg	2.5 – < 10%
CAS: 1310-73-2 EINECS: 215-185-5 Index number: 011-002-00-6 Reg.nr.: 01-2119457892-27-XXXX	Sodium hydroxide ☞ Met. Corr.1, H290; Skin Corr. 1A, H314 Specific concentration limits: Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0.5 % ≤ C < 2 % Eye Irrit. 2; H319: 0.5 % ≤ C < 2 %	2.5 – < 5%
Neutralisation product	Inorganic base, neutralised ☞ Skin Irrit. 2, H315; Eye Irrit. 2, H319	2.5 – < 10%
Neutralisation product	Benzenesulfonic acid derivative, neutralised ☞ Eye Dam. 1, H318; ☞ Acute Tox. 4, H302; Skin Irrit. 2, H315; Aquatic Chronic 3, H412	1 – < 2.5%
CAS: 64-02-8 EINECS: 200-573-9 Index number: 607-428-00-2 Reg.nr.: 01-2119486762-27-XXXX	Tetrasodium ethylenediaminetetraacetate ☞ Eye Dam. 1, H318; ☞ Acute Tox. 4, H302; Acute Tox. 4, H332	1 – 2.5%

Additional information:

Neutralisation products are exempt from registration in accordance with UK REACH Annex V, 4.

For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures**4.1 Description of first aid measures****General information:** Immediately remove any clothing soiled by the product.**After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:**

Immediately rinse with water.

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If skin irritation continues, consult a doctor.

Chemical burns must be treated promptly by a physician.

After eye contact:

Check for and remove any contact lenses.

Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Information for doctor:

Inhalation of an aerosol of this substance may cause lung oedema.

Treat symptomatically and supportively.

4.2 Most important symptoms and effects, both acute and delayed Corrosive damage to gastro-intestinal tract.

Hazards Danger of gastric perforation.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media**Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

Corrosive liquid.

In case of fire, the following can be released:

Carbon monoxide and carbon dioxide

Nitrogen oxides (NO_x)

Sulphur Oxides (SO_x)

Toxic metal oxide smoke

5.3 Advice for firefighters**Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

Do not inhale explosion gases or combustion gases.

Additional information

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Particular danger of slipping on leaked/spilled product.

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:

Do not allow to penetrate the ground/soil.

Do not allow product to reach sewage system or any water course in the undiluted form.

6.3 Methods and material for containment and cleaning up:

Contain and collect spillage with non-combustible absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wash the area with plenty of water.

6.4 Reference to other sections

See Section 7 for information on safe handling.

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See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid direct contact (skin/eye contact, ingestion and/or inhalation of fume/mist/dust) with the product in the undiluted form.

Prevent formation of aerosols.

Ensure good ventilation/exhaustion at the workplace.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.

Prevent any seepage into the ground.

Information about storage in one common storage facility:

Do not store together with acids.

Store away from oxidising agents.

Further information about storage conditions:

Store in a bunded area.

Store in cool, dry conditions in well sealed receptacles.

Protect from frost.

Storage class: 8 B

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS: 1310-73-2 Sodium hydroxide

WEL Short-term value: 2 mg/m

DNELs

CAS: 68439-46-3 Non-ionic surfactant

Oral	Long-term systemic effects	25 mg/kg bw/day (general population)
Dermal	Long-term systemic effects	1,250 mg/kg bw/day (general population) 2,080 mg/kg bw/day (worker)
Inhalative	Long-term systemic effects	87 mg/m (general population) 294 mg/m (worker)

CAS: 1310-73-2 Sodium hydroxide

Inhalative	Long-term local effects	1 mg/m (general population) 1 mg/m (worker)
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Benzenesulfonic acid derivative, neutralised

Oral	Long-term systemic effects	425 µg/kg bw/day (general population)
Dermal	Long-term systemic effects	42.5 mg/kg bw/day (general population) 119 mg/kg bw/day (worker)
Inhalative	Long-term systemic effects	1.3 mg/m (general population) 7.6 mg/m (worker)

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CAS: 64-02-8 Tetrasodium ethylenediaminetetraacetate

Oral	Long-term systemic effects	25 mg/kg bw/day (general population)
Inhalative	Long-term systemic effects	1.5 mg/m (worker)
	Short-term systemic effects	3 mg/m (worker)
	Short-term local effects	1.2 mg/m (general population)
	Long-term local effects	600 µg/m (general population)
		1,500 µg/m (worker)

PNECs**CAS: 68439-46-3 Non-ionic surfactant**

Freshwater	µg/L	103.79
Freshwater - Intermittent releases		14 µg/L
Marine water	µg/L	103.79
Sewage Treatment Plant		1.4 mg/L
Sediment (freshwater)		13.7 mg/kg
Sediment (marine water)		13.7 mg/kg
Soil		1 mg/kg

Benzenesulfonic acid derivative, neutralised

Freshwater	µg/L	268
Freshwater - Intermittent releases		16.7 µg/L
Marine water	µg/L	26.8
Sewage Treatment Plant		3.43 mg/L
Sediment (freshwater)		8.1 mg/kg
Sediment (marine water)		6.8 mg/kg
Soil		35 mg/kg

CAS: 64-02-8 Tetrasodium ethylenediaminetetraacetate

Freshwater		2.83 mg/L
Freshwater - Intermittent releases		1 mg/L
Marine water	µg/L	283
Marine Water - Intermittent releases		1 mg/L
Sewage Treatment Plant		50 mg/L
Soil		1.1 mg/kg

Additional information: The lists valid during the making were used as basis.**8.2 Exposure controls****Appropriate engineering controls** No further data; see section 7.**Individual protection measures, such as personal protective equipment****General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Do not eat, drink, smoke or sniff while working.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not inhale gases / fumes / aerosols.

Take note of assigned Workplace Exposure Limits.

Respiratory protection:

Not necessary if room is well-ventilated.

Use suitable respiratory protective device in case of insufficient ventilation.

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Hand protection

Protective gloves.

Use gloves tested and approved under appropriate government standards such as NIOSH (US) or EN374 (EU).

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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/face protection

Tightly sealed goggles conforming to EN166.



Face shield/visor.

Use equipment tested and approved under appropriate government standards such as EN166 (EU) or NIOSH (US)

Use visor in combination with goggles.

Body protection:

Protective work clothing

Do not get on skin or clothing. Wear clothing and footwear that cannot be penetrated by the product. Suitable protective equipment may include: Chemical resistant boots, Chemical resistant apron, Full chemical protective suit with a hood, Chemical protective suit consisting of a jacket and trousers. The jacket should be buttoned up to the neck, sleeves sealed at the gloves, and trouser leg worn outside the boots. These precautions are required to prevent the clothing from accidentally trapping product against the skin.

Environmental exposure controls Do not allow to enter drains, sewers or watercourses.**Risk management measures** The operators shall be instructed adequately.**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information**

Physical state	Fluid
Colour:	Straw
Odour:	Characteristic
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range	Undetermined.
Flammability	Not applicable.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	Cannot promote combustion
Decomposition temperature:	Not determined.

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pH at 20 °C	> 13
Viscosity:	
Kinematic viscosity	Not determined.
Dynamic:	Not determined.
Solubility	
water:	Fully miscible.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density	
Density at 20 °C:	~ 1.11 g/cm
Relative density	Not determined.
Vapour density	Not determined.
9.2 Other information	
Appearance:	
Form:	Liquid
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Product is not self-igniting.
Explosive properties:	Product does not present an explosion hazard.
Solvent content:	
VOC (EC)	0.00 %
Change in condition	
Evaporation rate	Not determined.
Information with regard to physical hazard classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.**10.2 Chemical stability****Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions Exothermic reaction with acids.**10.4 Conditions to avoid** Heat and static discharge.**10.5 Incompatible materials:**

Finely powdered metals.

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Strong acids and oxidising agents

10.6 Hazardous decomposition products:

Carbon monoxide and carbon dioxide

Nitrogen oxides (NO_x)Sulphur oxides (SO_x)

Metal oxide

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:**ATE (Acute Toxicity Estimates)**

Oral	LD50	4,559 mg/kg
Inhalative	LC50/4 h	940.17 mg/l (rat)

CAS: 68439-46-3 Non-ionic surfactant

Oral	LD50	316.84 mg/kg (rat)
Dermal	LD50	> 2,000 mg/kg (rat)
Inhalative	LC50/4 h	> 5,000 mg/l (rat)

Benzenesulfonic acid derivative, neutralised

Oral	LD50	1,080 mg/kg (rat)
Dermal	LD50	> 2,000 mg/kg (rat)

CAS: 64-02-8 Tetrasodium ethylenediaminetetraacetate

Oral	LD50	1,780 mg/kg (rat)
Dermal	LD50	> 5,000 mg/kg (rabbit)
Inhalative	LC50/4 h	11 mg/l (rat) (ATE)

Primary irritant effect:**Skin corrosion/irritation**

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.**Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure** Based on available data, the classification criteria are not met.**STOT-repeated exposure** Based on available data, the classification criteria are not met.**Aspiration hazard** Based on available data, the classification criteria are not met.**Additional toxicological information:**

ROUTES OF EXPOSURE: Serious local effects by all routes of exposure.

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

Inhalation may cause lung oedema, but only after initial corrosive effects on eyes and/or airways have become manifest. The symptoms of lung oedema often do not become manifest until a few hours have passed and they are aggravated by physical effort. Rest and medical observation are therefore essential. Immediate administration of an appropriate inhalation therapy by a doctor or a person authorized by him/her, should be considered.

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11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients are listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability The organic portion of the product is biodegradable.

12.3 Bioaccumulative potential Product is not expected to bioaccumulate.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Recommended Hierarchy of Controls:

- Minimise waste;
- Reuse if not contaminated;
- Recycle, if possible; or
- Safe disposal (if all else fails).

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Contact waste processors for recycling information.

Used, degraded or contaminated product may be classified as hazardous waste. Anyone classifying hazardous waste and determining its fate must be qualified in accordance with state and international legislation.

Uncleaned packaging:

Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

Disposal must be made according to official regulations.

Container remains hazardous when empty. Continue to observe all precautions.

Containers, even those that are “empty,” may contain residues that can develop hazardous gases and vapours upon heating. Do not cut, drill, grind, weld, or perform similar operations on or near empty containers.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID/ADN, IMDG, IATA

UN3266

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14.2 UN proper shipping name ADR/RID/ADN		UN3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE)
IMDG, IATA		CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE)
14.3 Transport hazard class(es) ADR/RID/ADN		
		
Class		8 (C5) Corrosive substances.
Label		8
IMDG, IATA		
		
Class		8 Corrosive substances.
Label		8
14.4 Packing group ADR/RID/ADN, IMDG, IATA		III
14.5 Environmental hazards: Marine pollutant:		No
14.6 Special precautions for user Hazard identification number (Kemler code):		Warning: Corrosive substances. 80
Hazchem Code:		2X
EMS Number:		F-A,S-B
Segregation groups		(SGG18) Alkalis
Stowage Category		A
Segregation Code		SG35 Stow "separated from" SGG1-acids
14.7 Maritime transport in bulk according to IMO instruments		Not applicable.
Transport/Additional information:		
ADR/RID/ADN		
Limited quantities (LQ)		5L
Excepted quantities (EQ)		Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
Transport category		2
Tunnel restriction code		E
IMDG		
Limited quantities (LQ)		5L
Excepted quantities (EQ)		Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

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UN "Model Regulation":UN 3266 CORROSIVE LIQUID, BASIC, INORGANIC,
N.O.S. (SODIUM HYDROXIDE), 8, III**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
Poisons Act**Regulated explosives precursors**

None of the ingredients are listed.

Regulated poisons

None of the ingredients are listed.

Reportable explosives precursors

None of the ingredients are listed.

Reportable poisons

CAS: 1310-73-2 Sodium hydroxide 12% of total caustic alkalinity

Control Of Major Accident Hazards Regulations 2015 (COMAH)**Named dangerous substances - ANNEX I** None of the ingredients are listed.**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 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.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

Relevant phrases

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H412 Harmful to aquatic life with long lasting effects.

Training hints

This product should only be handled by workers who have received sufficient training in the safe handling and use of chemical products.

Department issuing SDS: Product safety department.**Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
ATE: Acute toxicity estimate values
Met. Corr.1: Corrosive to metals – Category 1
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1A: Skin corrosion/irritation – Category 1A
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3