

SAFETY DATA SHEET

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

1.1. Product identifier

Product name: CAUSTIC SODA PEARL
Product code: CASD25

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

1.3. Details of the supplier of the safety data sheet

Company Name:

Jennychem
Jennychem House
Sort Mill Road,
Mid Kent Business Park
Snodland Kent ME6 5UA

Tel: 01634 245666

Fax: 01634 245777

Email: jenny@jennychem.com

1.3. Details of the supplier of the safety data sheet

Emergency tel: 01634 245666 (Office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1 Regulation 1272/2008 (CLP)

Hazard Class	Hazard Category	Target Organs	Hazard Statements
Skin corrosion/irritation	Category IA		H314

For the full text of the H-Statements mentioned in this Section, see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Directive 67/548/EEC or 1999/45/EC

Hazard symbol / Category of danger	Risk phrases
Corrosive (C)	R35

For the full text of the R-phrases mentioned in this Section, see Section 16.

Most important adverse effects

Human Health:	See section 11 for toxicological information.
Physical and chemical hazards:	See section 9 for physicochemical information.
Potential environmental effects:	See section 12 for environmental information.

2.2. Label elements

According to Regulation (EC) No. 1272/2008 (CLP).
Hazard Pictogram

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Signal word(s)	Danger.
Hazard statement(s)	Hazard statements : H314 Causes severe skin burns and eye damage.
Precautionary statements	
Prevention :	P260 Do not breathe dust/ fume/ gas/ mist/vapours/ spray. P280 Wear protective gloves/ eye protection/ face protection. P264 Wash hands thoroughly after handling.
Response :	P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ 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.
Hazardous components which must be listed on the label:	• sodium hydroxide

2.3. Other hazards

No other information is available

Section 3: Composition/information on ingredients

3.2. Mixtures

Name	EC No	CAS-No	Registration No	Classification 67/548/EEC	Classification EC/1272/2008	Concentration Range
sodium hydroxide	215-185-5	1310-73-2	011-002-00-6	-	-	<=100%



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Composition comments The data shown are in accordance with the latest EC Directives.

Section 4: First aid measures

4.1. Description of first aid measures

General Advice	Take off contaminated clothing immediately
If inhaled :	In case of accident by inhalation: remove casualty to fresh air and keep at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.
In case of skin contact :	Wash off immediately with plenty of water for at least 15 minutes. Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.
In case of eye contact :	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult an eye specialist immediately. Go to an ophthalmic hospital if possible.
If swallowed :	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician immediately. If a person vomits when lying on his back, place him in the recovery position.

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

Symptoms :	See Section II for more detailed information on health effects and symptoms.
Effects :	See Section II for more detailed information on health effects and symptoms.

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

Treatment :	Treat symptomatically.	No further information available.
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Section 5: Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. The product itself does not burn
Unsuitable extinguishing media	No information available

5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting:	Forms slippery/greasy layers with water.
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5.3. Advise for fire-fighters

Special protective equipment for firefighters	In the event of fire, wear self contained breathing apparatus. Wear appropriate body protection (full protective suit)
Further information:	Collect contaminated fire extinguishing water separately.



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This must not be discharged into drains.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment. Keep away unprotected persons. Avoid dust formation. Avoid contact with the skin and the eyes. Do not breathe dust. For personal protection see section 8.

6.2. Environmental precautions

Environmental precautions

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Use mechanical handling equipment. Keep in suitable, closed containers for disposal.

Further information: Danger of slipping if spilled Treat recovered material as described in the section "Disposal considerations".

6.4. Reference to other sections

Reference to other sections See Section 1 for emergency contact information.
See Section 8 for information on personal protective equipment.
See Section 13 for waste treatment information.

Section 7: Handling and storage

7.1. Precaution for safe handling

Advice on safe handling: Keep container tightly closed. Use personal protective equipment. Avoid dust formation. Provide sufficient air exchange and/or exhaust in work rooms. Avoid contact with the skin and the eyes. Do not breathe dust. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity.

Hygiene measures: Keep away from food, drink and animal feedingstuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday. Take off contaminated clothing and shoes immediately.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage: Keep in an area equipped with alkali resistant flooring. Keep only in the original container.

Advice on protection against fire and explosion:
The product is not flammable. Normal measures for preventive fire protection



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Further information on storage conditions:

Keep tightly closed in a dry and cool place. Product is hygroscopic.

Advice on common storage:

Keep away from food, drink and animal feedingstuffs.

Do not store together with acids and ammonium salts

Materials to avoid:

Organic peroxides

German storage class :

8B: Non-combustible substances, corrosive

7.3. Specific end use(s)

No information available

Section 8: Exposure controls/personal protection

8.1. Control parameters

Product: Caustic Soda pearl/solid

CAS-No. 1310-73-2

Derived No Effect Level

Application Area :	Workers
Exposure routes :	Inhalation
Value :	1 mg/m ³
Remarks :	Short-term exposition
Application Area :	Population
Exposure routes :	Inhalation
Value :	1 mg/m ³
Remarks :	Long-term exposition

Component: sodium hydroxide

CAS-No. 1310-73-2

Other OELs

Regulatory Basis :	UK. EH40 Workplace Exposure Limits (WELs)
Regulatory List :	EH40 WEL
Value type :	Short Term Exposure Limit (STEL):
Value :	2 mg/m ³

8.2. Exposure controls

Engineering measures

Refer to protective measures listed in sections 7 and 8.

Emergency eye wash fountains and emergency showers should be available in the immediate vicinity.

Personal protective equipment

Respiratory protection

Advice :

Required if dust is released
Recommended Filter type:
Particle filter:P2
Particle filter:P3



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Hand protection

Advice :

The glove material has to be impermeable and resistant to the product / the substance / the preparation.

Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

The following materials are suitable: fluorocarbon rubber
 polychloroprene
 natural rubber
 butyl-rubber

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Protective gloves should be replaced at first signs of wear.

Eye protection

Advice :

Tightly fitting safety goggles

Skin and body protection

Advice :

impervious clothing

8.3. Environmental controls

General advice :

Do not flush into surface water or sanitary sewer system.
 Avoid subsoil penetration.
 If the product contaminates rivers and lakes or drains inform respective authorities.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form :	crystalline
Colour :	white/opaque
Odour :	characteristic/faint
Odour Threshold :	no data available
pH :	14
	100 g/l
Melting point/range :	318 °C
Boiling point/boiling range :	1,390 °C
Flash point :	does not flash
Evaporation rate :	no data available
Flammability (solid, gas) :	does not ignite
Upper explosion limit :	not applicable
Lower explosion limit :	not applicable
Vapour pressure :	1 hPa
	739 °C
Relative vapour density :	no data available
Density :	1.1 - 1.2 g/cm ³
Water solubility :	1,090 g/l
	20 °C

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Partition coefficient:	n-octanol/water : no data available
Ignition temperature :	not applicable
Thermal decomposition :	no data available
Viscosity, dynamic :	no data available
Explosivity :	Product is not explosive.
Oxidizing properties :	no data available

9.2. Other information

Other information	No further information available
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Section 10: Stability and reactivity

10.1. Reactivity

Advice:	Reacts with acids. Gives off hydrogen by reaction with base metals (zinc, aluminium).
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10.2. Chemical stability

Advice:	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

Hazardous reactions:	Gives off hydrogen by reaction with base metals (zinc, aluminium). Reacts exothermic with water Reacts exothermic with acids.
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10.4. Conditions to avoid

Protect from humidity and keep away from water. Product is hygroscopic.

Thermal decomposition :	no data available
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10.5. Incompatible materials

Materials to avoid:	Acids Light metals Water Alcohols
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10.6. Hazardous decomposition products

Hazardous decomposition products:	No information available.
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Section 11: Toxicological information

11.1. Information on toxicological effects

Component:	sodium hydroxide	CAS-No. 1310-73-2
	Acute toxicity	

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	Inhalation
Remarks :	Inhalation may cause pain in respiratory system, sneezing, coughing and difficulty in breathing. Risk for pulmonary edema by high concentration.
	Irritation
	Skin
Species :	rabbit
Result :	Very corrosive
	Eyes
Species :	rabbit
Result :	Very corrosive
Remarks :	Risk of serious damage to eyes.
	Sensitisation
Remarks :	Patch test on human volunteers did not demonstrate sensitization properties.
	Further information
Other relevant toxicity information:	All numerical values for acute toxicity are calculated on the pure substances.

Section 12: Ecological information

12.1. Toxicity

Component:	sodium hydroxide	CAS-No. 1310-73-2
	Acute toxicity	
	Fish	
Species :	Gambusia affinis	
Exposure Time :	96 h	
Value type :	LC50	
Value :	125 mg/l	
Species :	Poecilia reticulata	
Exposure Time :	24 h	
Value type :	LC50	
Value : I	45 mg/l	
	Toxicity to daphnia and other aquatic invertebrates.	
Species :	Daphnia magna	
Exposure time :	24 h	
Value type :	EC50	
Value :	76 mg/l	
	Bacteria	
Species :	Photobacterium phosphoreum	
Exposure time :	15 min	

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Value type : EC50

Value : 22 mg/l

12.2. Persistence

Product: Caustic Soda pearl/solid CAS-No. 1310-73-2
Persistence and degradability
Persistence

Remarks : no data available

Component: sodium hydroxide CAS-No. 1310-73-2
Persistence and degradability
Biodegradability

Remarks : The methods for determining biodegradability are not applicable to inorganic substances

12.3. Bioaccumulative potential

Remarks: Does not bioaccumulate.

12.4. Mobility in soil

Remarks: no data available

12.5. Results of PBT and vPvB assessment

Remarks: No data available

12.6. Other adverse effects

Additional ecological information:

Harmful effects to aquatic organisms due to pH-shift. Neutralization is normally necessary before waste water is discharged into water treatment plants. Do not flush into surface water or sanitary sewer system.

Section 13: Disposal considerations

General information

13.1. Waste treatment methods

Product: Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services.

Contaminated Packaging: Empty contaminated packaging thoroughly. They can be recycled after thorough and proper cleaning. Packagings that cannot be cleaned are to be disposed of in the same manner as the product

European Waste Catalogue Number: No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste

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code is established in consultation with the regional waste disposer

Section 14: Transport information

14.1. UN Number

1823

14.2. UN Proper shipping name

ADR : SODIUM HYDROXIDE, SOLID
 RID : SODIUM HYDROXIDE, SOLID
 IMDG : SODIUM HYDROXIDE, SOLID

14.3. Transport hazard classes

ADR-Class (Labels; Classification Code; Hazard identification No; Tunnel restriction code)	8 8; C6; 80; (E)
RID-Class (Labels; Classification Code; Hazard identification No)	8 8; C6; 80
IMDG-Class (Labels; EmS)	8 8; F-A, S-B

14.4. Packing group

ADR	II
RID	II
IMDG	II

14.5. Environmental hazards

Labelling according to 5.2.1.8 ADR	no
Labelling according to 5.2.1.8 RID	no
Labelling according to 5.2.1.6.3 IMDG	no
Classification as environmentally hazardous according to 2.9.3 IMDG	no
Classified as "P" according to 2.10 IMDG :	no

14.6. Special precautions for user

Note: Not applicable

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

Note: Not applicable

Section 15: Regulatory information

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

sodium hydroxide:

Regulatory List	Notification	Notification number
AICS	YES	
DSL	YES	
NV (CN)	YES	
ENCS (JP)	YES	(1)-410
SHL (JP)	YES	(1)-410
TSCA	YES	
EINECS	YES	215-185-5
KECI (KR)	YES	97-1-136
KECI (KR)	YES	KE-31487
PICCS (PH)	YES	

15.2. Chemical Safety Assessment

Currently we do not have any information from our supplier about this

Section 16: Other information

Full text of R-phrases referred to under sections 2 and 3.

R35 Causes severe burns.

Full text of H-Statements referred to under sections 2 and 3.

H314 Causes severe skin burns and eye damage.

This data sheet is prepared in accordance with commission Regulations (EU) No. 453/2010 section 16

Legal Disclaimer

The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide.

This company shall not be held liable for any damage resulting from handling or from contact with the above product.

SDS Prepared 1st June 2020