

REVISION DATE: 16th May 2008



SAFETY DATA SHEET

Caustic Soda Pearl

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	Caustic Soda Pearl
SYNONYMS, TRADE NAMES	Caustic Soda Anhydrous, Sodium Hydroxide
SUPPLIER	Univar 46 Peckover Street BRADFORD West Yorkshire BD1 5BD +44 1274 377000 +44 1274 377001 sds@univareurope.com
SDS No.	C146
Emergency Contact Number (Office Hours)	+441274 377070

2 HAZARDS IDENTIFICATION

Causes severe burns.

CLASSIFICATION C;R35.

3 COMPOSITION/INFORMATION ON INGREDIENTS

EC No.	215-185-5
CAS-No.	1310-73-2

4 FIRST-AID MEASURES

INHALATION

Remove victim immediately from source of exposure. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Get medical attention immediately! Drink plenty of water.

SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues. Continue to rinse for at least 15 minutes.

EYE CONTACT

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

This product is not flammable. Extinguish with foam, carbon dioxide or dry powder.

SPECIFIC HAZARDS

Carbon monoxide (CO). Carbon dioxide (CO₂).

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

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PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Do not allow ANY environmental contamination.

SPILL CLEAN UP METHODS

DO NOT TOUCH SPILLED MATERIAL! Stop leak if possible without risk. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Flush contaminated area with plenty of water. Do not contaminate water sources or sewer. Inform Authorities if large amounts are involved.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid inhalation of dust and contact with skin and eyes.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Store away from Acids. Unsuitable containers: copper, zinc, aluminium, copper alloy, zinc alloy, aluminium alloy.

STORAGE CLASS

Corrosive storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
Caustic Soda Pearl	OES				2 mg/m3

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS

Provide eyewash, quick drench.

ENGINEERING MEASURES

Provide adequate ventilation. Observe Workplace Exposure Limits and minimise the risk of inhalation of dust.

RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided.

HAND PROTECTION

Use suitable protective gloves if risk of skin contact. PVC or rubber gloves are recommended.

EYE PROTECTION

Wear approved safety goggles. Wear tight-fitting goggles or face shield.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Pellets Flakes

COLOUR

White / off-white

SOLUBILITY

Soluble in water Alcohol

MOL. WEIGHT

40

BOILING POINT (°C)

1390

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MELTING POINT (°C)	318	RELATIVE DENSITY	2.13
BULK DENSITY	1.175g/ml		

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Reacts strongly with concentrated acids and chloro-hydrocarbons. Reacts strongly with water.

MATERIALS TO AVOID

Strong acids. Strong oxidising substances. Strong oxides. Chemically active metals.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire or high temperatures may form toxic and corrosive vapours.

11 TOXICOLOGICAL INFORMATION

INHALATION

Dust is severely irritating to the upper respiratory system. Dust irritates the respiratory system, and may cause coughing and difficulties in breathing.

INGESTION

May cause burns in mucous membranes, throat, oesophagus and stomach. Causes burns.

SKIN CONTACT

May cause serious chemical burns of the skin. Corrosive. Prolonged contact causes serious tissue damage.

EYE CONTACT

Causes burns. Risk of corneal damage. Visual disturbances including blurred vision

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

MOBILITY

The product is soluble in water.

BIOACCUMULATION

The product is not bioaccumulating.

DEGRADABILITY

The product is easily biodegradable.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Do not puncture or incinerate even when empty.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

UK ROAD CLASS	8		
PROPER SHIPPING NAME	SODIUM HYDROXIDE, SOLID		
UN NO. ROAD	1823	UK ROAD PACK GR.	II
ADR CLASS NO.	8		

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ADR CLASS	Class 8: Corrosive substances.	ADR PACK GROUP	II
HAZARD No. (ADR)	80	ADR LABEL NO.	8
HAZCHEM CODE	2W	CEFIC TEC(R) NO.	80GC6-II+III
RID CLASS NO.	8	RID PACK GROUP	II
UN NO. SEA	1823	IMDG CLASS	8
IMDG PACK GR.	II	EMS	F-A, S-B
MARINE POLLUTANT	No.	UN NO. AIR	1823
AIR CLASS	8	AIR PACK GR.	II

15 REGULATORY INFORMATION

LABELLING



Corrosive

RISK PHRASES

R35 Causes severe burns.

SAFETY PHRASES

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37/39 Wear suitable gloves and eye/face protection.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

16 OTHER INFORMATION

ISSUED BY

Univar Ltd

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REV. NO./REPL. SDS GENERATED 04

SDS NO. C146

SAFETY DATA SHEET STATUS

Approved.

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SIGNATURE Gillian Sutton