

SAFETY DATA SHEET CAUSTIC SODA

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

PRODUCT NAME CAUSTIC SODA
 CAS-NO. 1310-73-2
 CONTAINER SIZE 500g 1kg 2.5kg

2 HAZARDS IDENTIFICATION

CLASSIFICATION (1999/45) C;R35.

CLASSIFICATION (EC 1272/2008)

Physical and Chemical Hazards	Not classified.
Human health	Skin Corr. 1A - H314
Environment	Not classified.

LABEL IN ACCORDANCE WITH (EC) NO. 1272/2008



SIGNAL WORD Danger

CONTAINS SODIUM HYDROXIDE

HAZARD STATEMENTS

H314 Causes severe skin burns and eye damage.

PRECAUTIONARY STATEMENTS

P103	Read label before use.
P102	Keep out of reach of children.
P101	If medical advice is needed, have product container or label at hand.
P260	Do not breathe dust.
P264	Wash skin thoroughly after handling.
P280	Wear protective clothing. Wear protective gloves. Wear eye protection.
P305+351+338	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 or doctor/physician.
P402	Store in a dry place.
P404	Store in a closed container.
P405	Store locked up.

SUPPLEMENTARY PRECAUTIONARY STATEMENTS

P301+330+331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P363	Wash contaminated clothing before reuse.

CAUSTIC SODA

HUMAN HEALTH

Corrosive to skin and eyes. Liberated dust may irritate throat and respiratory system and cause coughing.

3 COMPOSITION/INFORMATION ON INGREDIENTS

SODIUM HYDROXIDE		60-100%
CAS-No.: 1310-73-2	EC No.: 215-185-5	
Classification (EC 1272/2008) Skin Corr. 1A - H314	Classification (67/548/EEC) C;R35	

The Full Text for all R-Phrases and Hazard Statements is Displayed in Section 16

CAS-NO. 1310-73-2

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. In case of persistent throat irritation or coughing: Seek medical attention and bring these instructions.

INGESTION

Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. DO NOT induce vomiting. Get medical attention immediately.

SKIN CONTACT

Remove contaminated clothes and rinse skin thoroughly with water. Continue to rinse for at least 15 minutes and seek medical attention.

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

The product is non-combustible.

PROTECTIVE MEASURES IN FIRE

Use protective equipment appropriate for surrounding materials.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Use protective gloves, goggles and suitable protective clothing. In case of inadequate ventilation, use respiratory protection. Avoid inhalation of dust. Avoid contact with skin and eyes.

ENVIRONMENTAL PRECAUTIONS

Do not allow undiluted material to enter drains, sewers or water courses.

SPILL CLEAN UP METHODS

Small Spillages: Sweep up. Flush with plenty of water to clean spillage area. Large Spillages: Stop leak if possible without risk. DO NOT touch spilled material! Avoid generation and spreading of dust. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. Neutralise the residue with a dilute solution of acetic acid.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid inhalation of dust and contact with skin and eyes. Do not handle broken packages without protective equipment.

STORAGE PRECAUTIONS

Store in closed original container in a dry place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

CAUSTIC SODA

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
SODIUM HYDROXIDE	WEL				2 mg/m3	

WEL = Workplace Exposure Limit.

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate ventilation.

RESPIRATORY EQUIPMENT

Wear suitable respiratory protection.

HAND PROTECTION

Use suitable protective gloves if risk of skin contact.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Granular
COLOUR	White / off-white.
ODOUR	Odourless.
SOLUBILITY	Soluble in water.
BOILING POINT (°C)	1390
MELTING POINT (°C)	323
BULK DENSITY	2.13 kg/l
pH-VALUE, DILUTED SOLUTION	13.5 1% soln

10 STABILITY AND REACTIVITY

CONDITIONS TO AVOID

Heating, moisture, water and amines. Generates toxic gas in contact with acid. Reacts explosively with organic chemicals.

MATERIALS TO AVOID

Aluminium. Tin. Zinc.

11 TOXICOLOGICAL INFORMATION

INHALATION

May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

INGESTION

Corrosive. Even small amounts may cause serious damage.

SKIN CONTACT

Corrosive. Prolonged contact causes serious tissue damage.

EYE CONTACT

Strongly corrosive. Causes severe burns and serious eye damage. Immediate first aid is imperative.

HEALTH WARNINGS

Causes severe burns.

ROUTE OF ENTRY

Inhalation. Skin absorption. Ingestion. Skin and/or eye contact.

12 ECOLOGICAL INFORMATION

CAUSTIC SODA

ECOTOXICITY

Not known.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

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

14 TRANSPORT INFORMATION



PROPER SHIPPING NAME	SODIUM HYDROXIDE, SOLID
ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT	No.
UN NO. ROAD	1823
ADR CLASS NO.	8
ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	II
TUNNEL RESTRICTION CODE	(E)
HAZARD No. (ADR)	80
ADR LABEL NO.	8
HAZCHEM CODE	2W
UN NO. SEA	1823
IMDG CLASS	8
IMDG PACK GR.	II
EMS	F-A, S-B
UN NO. AIR	1823
AIR CLASS	8
AIR PACK GR.	II

15 REGULATORY INFORMATION

EU DIRECTIVES

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, including amendments.

STATUTORY INSTRUMENTS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

APPROVED CODE OF PRACTICE

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

16 OTHER INFORMATION

REVISION DATE 12/12/2012

REV. NO./REPL. SDS GENERATED 7

CAUSTIC SODA

RISK PHRASES IN FULL

R35 Causes severe burns.

HAZARD STATEMENTS IN FULL

H314 Causes severe skin burns and eye damage.

DISCLAIMER

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.