



# Punch

## SAFETY DATA SHEET CAUSTIC SODA

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

PRODUCT NAME CAUSTIC SODA  
PRODUCT NO. 30301984  
APPLICATION Heavy Duty Cleaner.  
SUPPLIER Punch Industries  
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### 2 HAZARDS IDENTIFICATION

Causes severe burns.

CLASSIFICATION C;R35.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
SODIUM HYDROXIDE	215-185-5	1310-73-2	60-100%	C;R35

The Full Text for all R-Phrases are Displayed in Section 16

### 4 FIRST-AID MEASURES

#### INHALATION

Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. Get medical attention.

#### INGESTION

DO NOT INDUCE VOMITING! Get medical attention immediately!

#### SKIN CONTACT

Immediately flush skin with plenty of water while removing contaminated clothes and shoes. Get medical attention immediately.

#### EYE CONTACT

Immediately flush eyes with plenty of water for at least 15 mins, lifting lower and upper eyelids occasionally. Get medical attention immediately.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials. Adding water to caustic solution generates large amounts of heat.

#### PROTECTIVE MEASURES IN FIRE

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

### 6 ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

Ventilate area of leak or spill. For personal protection, see section 8. Avoid breathing fumes. Remove all sources of ignition.

# CAUSTIC SODA

## ENVIRONMENTAL PRECAUTIONS

Do not allow ANY environmental contamination.

## SPILL CLEAN UP METHODS

DO NOT TOUCH SPILLED MATERIAL! Collect in containers and seal securely.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Always add the caustic to water while stirring, never the reverse.

### STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Do not store with aluminium or magnesium. Do not mix with acids or organic material.

### STORAGE CLASS

Corrosive storage.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
SODIUM HYDROXIDE	WEL				2 mg/m <sup>3</sup>	

WEL = Workplace Exposure Limit.

### INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

### PROTECTIVE EQUIPMENT



### ENGINEERING MEASURES

Provide adequate ventilation. Observe Work Exposure Limit.

### RESPIRATORY EQUIPMENT

Use breathing protection only if exposed to concentrations above the Work Exposure Limit.

### HAND PROTECTION

Wear protective gloves.

### EYE PROTECTION

Use eye protection.

### OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Granules
COLOUR	White
ODOUR	Odourless

## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under ordinary conditions of use and storage. The substance is hygroscopic and will absorb water by contact with the moisture in the air.

### MATERIALS TO AVOID

Sodium Hydroxide may cause violent reactions in contact with acids and organic halogen compounds. Avoid metals such as aluminium, magnesium, tin and zinc. Sodium Hydroxide reacts with sugars to form carbon monoxide.

# CAUSTIC SODA

## HAZARDOUS DECOMPOSITION PRODUCTS

Sodium Oxide. Decomposition with certain metals releases flammable and explosive hydrogen gas.

## 11 TOXICOLOGICAL INFORMATION

### INGESTION

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

### SKIN CONTACT

May cause serious chemical burns of the skin.

### EYE CONTACT

Causes burns.

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

No data on possible environmental effects have been found.

## 13 DISPOSAL CONSIDERATIONS

### 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	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	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
UN NO. AIR	1823	AIR CLASS	8
AIR PACK GR.	II		

## 15 REGULATORY INFORMATION

### LABELLING



Corrosive

### CONTAINS

SODIUM HYDROXIDE

### RISK PHRASES

R35

Causes severe burns.

# CAUSTIC SODA

## SAFETY PHRASES

S1/2	Keep locked up and out of the reach of children.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

## 16 OTHER INFORMATION

REV. NO./REPL. SDS GENERATED	3
DATE	28/07/09
SIGNATURE	Gerry Clancy (Technical Manager)
RISK PHRASES IN FULL	
R35	Causes severe burns.

## DISCLAIMER

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