

## SAFETY DATA SHEET

### Caustic Liquor 5% - 50% Solution

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

PRODUCT NAME Caustic Liquor 5% - 50% Solution

SUPPLIER Aztec Chemicals  
Gateway  
Crewe  
Cheshire  
CW1 6YY  
+ 44 (0) 1270 655500 (T)  
After hrs 0831300868  
+ 44 (0) 1270 655501 (F)

#### 2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
SODIUM HYDROXIDE	215-185-5	1310-73-2	30-60%	C;R35

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

#### 3 HAZARDS IDENTIFICATION

Causes severe burns.

CLASSIFICATION C;R35.

HUMAN HEALTH

Corrosive. Prolonged contact causes serious eye and tissue damage.

#### 4 FIRST-AID MEASURES

INHALATION

Remove victim immediately from source of exposure. Place unconscious person on the side in the recovery position and ensure breathing. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention.

INGESTION

Rinse mouth thoroughly. Do not induce vomiting. Drink plenty of water. When risk of unconsciousness, place and transport the victim in secured side position. Get medical attention.

SKIN CONTACT

Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin 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 eyes wide apart. Continue to rinse for at least 15 minutes and get medical attention.

#### 5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

SPECIAL FIRE FIGHTING PROCEDURES

Water spray should be used to cool containers.

SPECIFIC HAZARDS

Water used for fire extinguishing, which has been in contact with the product, may be corrosive. The product is non-combustible. If heated, corrosive and toxic vapours/gases may be formed.

PROTECTIVE MEASURES IN FIRE

Wear full protective clothing. Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

#### 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin and eyes. Do not breathe vapour. Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.

ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground. To prevent release, place container with damaged side up.

## Caustic Liquor 5% - 50% Solution

### SPILL CLEAN UP METHODS

Wear necessary protective equipment. Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Dam and absorb spillages with sand, earth or other non-combustible material.

### 7 HANDLING AND STORAGE

#### USAGE PRECAUTIONS

Read and follow manufacturer's recommendations. Avoid spilling, skin and eye contact. Do not use in confined spaces without adequate ventilation and/or respirator. Avoid forming spray mists/aerosols. Never add water directly to this product - may cause vigorous reaction/boiling. Always dilute by carefully pouring the product into the water.

#### STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
SODIUM HYDROXIDE	WEL				2 mg/m3

#### INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

#### PROTECTIVE EQUIPMENT



#### ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit is not exceeded.

#### RESPIRATORY EQUIPMENT

At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used.

#### HAND PROTECTION

Protective gloves and goggles must be used if there is a risk of direct contact or splash.

#### EYE PROTECTION

Wear tight-fitting goggles or face shield.

#### OTHER PROTECTION

Provide eyewash station.

#### HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet.

#### PERSONAL PROTECTION

When using do not smoke

#### SKIN PROTECTION

Wear apron or protective clothing in case of contact.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	White / off-white		
ODOUR	Odourless		
SOLUBILITY	Miscible with water.		
BOILING POINT (°C)	117 - 147	MELTING POINT (°C)	0 - 22
RELATIVE DENSITY	1.330 - 1.530	pH-VALUE, CONC. SOLUTION	14

### 10 STABILITY AND REACTIVITY

#### STABILITY

Stable under normal temperature conditions and recommended use.

## Caustic Liquor 5% - 50% Solution

### CONDITIONS TO AVOID

Avoid exposure to high temperatures or direct sunlight. Water, moisture. Avoid frost.

### MATERIALS TO AVOID

Metals. Oxidising agents. Water. Acids. Aluminium. Organic materials. Other light metals and their alloys. Reaction with ammonium compounds releases ammonia.

### HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## 11 TOXICOLOGICAL INFORMATION

### INHALATION

Vapours may irritate the respiratory system and cause coughing, asthmatic breathing and breathlessness.

### INGESTION

Swallowing concentrated chemical may cause severe internal injury. Liquid irritates mucous membranes and may cause abdominal pain if swallowed. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

### SKIN CONTACT

Causes severe burns. Corrosive. Prolonged contact causes serious tissue damage.

### EYE CONTACT

Risk of corneal damage. May cause blurred vision and serious eye damage.

### HEALTH WARNINGS

This substance is corrosive.

### ROUTE OF ENTRY

Skin and/or eye contact. Ingestion. Inhalation.

### TARGET ORGANS

Eyes. Skin. Respiratory system, lungs. Gastro-intestinal tract.

## 12 ECOLOGICAL INFORMATION

### MOBILITY

The product is soluble in water.

### BIOACCUMULATION

No data available on bioaccumulation.

### DEGRADABILITY

There are no data on the degradability of this product.

## 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		
UN NO. ROAD	1824	UK ROAD PACK GR.	III
ADR CLASS NO.	8	ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	III	ADR LABEL NO.	8
RID CLASS NO.	8	RID PACK GROUP	III
UN NO. SEA	1824	IMDG CLASS	8
IMDG PAGE NO.	8	IMDG PACK GR.	III

**Caustic Liquor 5% - 50% Solution**

MARINE POLLUTANT	No.	UN NO. AIR	1824
AIR CLASS	8	AIR PACK GR.	III

**15 REGULATORY INFORMATION**

## LABELLING



Corrosive

## CONTAINS

SODIUM HYDROXIDE

## RISK PHRASES

R35 Causes severe burns.

## SAFETY PHRASES

S1/2 Keep locked up and out of the reach of children.

S20 When using do not eat or drink.

S24/25 Avoid contact with skin and eyes.

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

S27/28 After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of .. (to be specified by the manufacturer)

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).

## UK REGULATORY REFERENCES

The Control of Substances Hazardous to Health Regulations 1988. Chemicals (Hazard Information & Packaging) Regulations.

## EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. System of specific information relating to Dangerous Preparations. 2001/58/EC.

## STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

## 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).

## NATIONAL REGULATIONS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689.

**16 OTHER INFORMATION**

SDS NO. 11166

## SAFETY DATA SHEET STATUS

Approved.

DATE 07.12.2004

## RISK PHRASES IN FULL

R35 Causes severe burns.

## DISCLAIMER

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