

# SAFETY DATA SHEET

## 1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

**Product Name**    **ACCEPTA 2599**

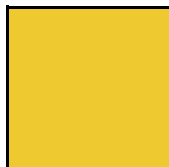
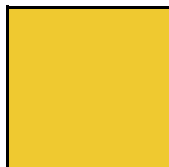
**Application**     A solution of caustic alkali for pH adjustment, caustic alkalinity control of boiler feedwaters and other applications in the food industry.

**Supplier**        **ACCEPTA LTD**  
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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No	% (active)	EINECS-No.	Symbols	R-phrases
Caustic soda	001310-73-2	<30%	215-185-5	C-Corrosive,	R35, , , ,
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## 3. HAZARDS IDENTIFICATION



Physical / chemical hazards:

Corrosive

Environmental Hazards:

Localised pH effects only.

Human health hazards:

Causes severe burns

## 4. FIRST AID MEASURES

**Ingestion:**     Causes severe burns to mouth, gastrointestinal tract and stomach.

Wash out mouth with water then drink plenty of water. Do not induce vomiting. Obtain medical attention and show this datasheet,

**Inhalation:**    Severely irritating of respiratory tract.

Remove to fresh air. Obtain medical advice if symptoms persist.

**Skin contact:** Irritation and redness of skin. Possible blistering

Wash with soap and water. Remove contaminated clothing for washing. Consult doctor in accordance with symptoms.

**Eye contact:**    Severe pain. Corneal burns may occur

Immediately rinse eye with sterile water for 20 minutes. Seek medical advice.

Notes to doctor: Local corrosive effects predominate. No known systemic effects.

## 5. FIRE FIGHTING MEASURES

Flammability: Non-flammable  
Extinguishing media: Water spray jet, extinguishing powder or foam, carbon dioxide .  
Unsuitable extinguishing media: None  
Hazardous decompositions: None  
Protective equipment: Protective clothing and self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear full protective equipment - gloves, eye/face protection and overalls. Ensure sufficient air supply.  
Environmental precautions: Do not allow to enter water courses. Uncontrolled discharges must be alerted to the Environment agency or other appropriate body.  
Methods of clean up: Small spillages can be flushed to drain with additional water. Large spillages should be contained. Dilute and neutralise to pH 6-10 with a convenient acid before discharge to drain

## 7. HANDLING AND STORAGE

Handling: Certain sugars react with hydroxides in solutions above 1% and above 85 C to form carbon monoxide. This can be a respiratory and/or a fire hazard. The susceptible compounds include fructose, galactose, arabinose, levulose, maltose and whey powder.  
Storage: Store above 10 C. Do not allow to freeze. Ensure that the container is firmly secure when not in use.  
Shelf life: > 12 months  
Suitable packaging: Polyethylene, polypropylene and stainless steel containers.  
Unsuitable packaging: Aluminium, tin, zinc, lead, brass, copper and alloys containing the above.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits:	Substance:	Sodium hydroxide	
EH40/2005	Long term WEL (8 Hr):	ppm	mg/m <sup>3</sup>
	Short term WEL (15 min):	ppm	2 mg/m <sup>3</sup>

Engineering measures: Caustic - resistant floor necessary.  
Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.  
Skin, hand and body protection: Overalls, boots and PVC gloves.  
Eye protection: Chemical goggles or face shield.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Solution	Boiling point (C):	110 C
Colour:	Clear	Decomposition temp (C):	
Odour:	None	Specific Gravity:	1.278
Molecular weight:	40	Solubility:	Completely miscible
pH:	>13	Flash point (C):	

## 10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions May crystallise below 0 C.

Thermal decomposition: Stable

Conditions to avoid: Avoid very low temperatures.

Materials to avoid: Soft metals (aluminium, zinc etc) and strong acids.

Hazardous reactions: Reacts vigorously with acids. Will react with aluminium and zinc releasing hydrogen gas creating an explosion hazard.

Decomposition products: Stable under normal conditions

## 11. TOXICOLOGICAL INFORMATION (of hazardous constituents)

Acute toxicity: Oral; Sodium hydroxide Corrosive  
Dermal: Sodium hydroxide Corrosive  
Inhalation: Mists or sprays irritating to respiratory system  
Eye: Very corrosive

Other data:

## 12. ECOLOGICAL INFORMATION

Biodegradability and persistence: Not biodegradable

Ecotoxic effects: No data available.

Other data: Short term harm to aquatic environment through pH effects.

## 13. DISPOSAL CONSIDERATIONS

Methods of disposal: Small quantities can be disposed of via a foul drain. Larger quantities should be handled by a licensed contractor in accordance with Waste Disposal Regulations.

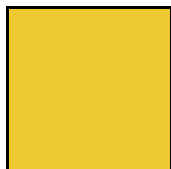
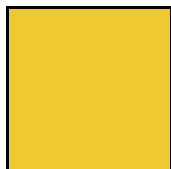
Packaging disposal: Return empty containers to the supplier for recycling or destroy by cutting up or by incineration. Do not use for potable water.

## 14. TRANSPORT INFORMATION

UN No.: 1824 Proper shipping name: PROPER SHIPPING NAME - SODIUM HYDROXIDE SOLUTION

Mode	Regulation	Class	Packing group	Ems No.	Stowage	Code	Subsidiary risk
Road/Rail	European - ADR/RID	8	II				
Sea	IMO / IMDG						
Air	ICAO / IATA						

## 15. REGULATORY INFORMATION (Classification and labelling according to UK CHIP Regs/EEC Directive 88/379/EEC)



### 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

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 the label where possible)

## 16. OTHER INFORMATION

The above information is based on current knowledge of the product at the time of publication and is given in good faith.

It is believed to be correct but does not purport to be all-inclusive and shall therefore be used only as a guide. ACCEPTA LTD implies no warranty with respect to the quality, specification or the suitability of the product. The client/user must completely satisfy themselves that the product is entirely suitable for the intended purpose.

In no event shall ACCEPTA LTD be held liable for any injury, loss or damage, to persons, plant or equipment or loss of production/sales resulting from its use or storage.

The information contained in this SDS does not constitute an assessment of work place risks. The customer should undertake a formal COSHH assessment which should ensure that employees are aware of the hazards / precautions detailed in the SDS. The COSHH assessment should ensure that the recommended safety equipment is available and where applicable, that the exposure limits detailed in section 8 are not being exceeded.

References: The Carriage of Goods by Road and Rail Regulations.  
The Control of Substances Hazardous to Health Regulations (COSHH).  
The Chemicals Hazard Information and Packaging Regulations (CHIP).