

Infosafe No™ VARC7	Issue Date : November 2016	ISSUED by HUNTERST
Product Name <b>CAUSTIC SODA LIQUID 30%</b>		

## 1. Identification

<b>GHS Product Identifier</b>	CAUSTIC SODA LIQUID 30%
<b>Company Name</b>	Hunters Products (TAS) Pty. Ltd. (ABN 004 601 263)
<b>Address</b>	60 Gleadow Street INVERMAY TAS 7248 Australia
<b>Telephone/Fax Number</b>	Tel: 03 6331 4755 Fax: 03 6334 1065
<b>Emergency phone number</b>	0407 610 542
<b>Recommended use of the chemical and restrictions on use</b>	As a caustic alkali. Use as directed on the product label.

## 2. Hazard Identification

<b>GHS classification of the substance/mixture</b>	Eye Damage/Irritation: Category 1 Skin Corrosion/Irritation: Category 1B
<b>Signal Word (s)</b>	DANGER
<b>Hazard Statement (s)</b>	H314 Causes severe skin burns and eye damage.
<b>Precautionary statement – General</b>	P102 Keep out of reach of children. P103 Read label before use.
<b>Pictogram (s)</b>	Corrosion



<b>Precautionary statement – Prevention</b>	P260 Do not breathe dust/fume/gas/mist/vapours/spray. P264 Wash contaminated skin thoroughly after handling P280 Wear protective gloves/protective clothing/eye protection/face protection.
<b>Precautionary statement – Response</b>	P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+P351+P338 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. P363 Wash contaminated clothing before reuse.
<b>Precautionary statement – Storage</b>	P405 Store locked up.
<b>Precautionary statement – Disposal</b>	P501 Dispose of contents/container in accordance with local regulations.

## 3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Sodium hydroxide	1310-73-2	30%
	Water	7732-18-5	to 100%

## 4. First-aid measures

<b>Inhalation</b>	Remove from exposure. If aspirated into the lungs, obtain immediate medical attention.
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<b>Ingestion</b>	Immediately rinse mouth with water. Do NOT induce vomiting. Give a glass of water to be taken slowly. Seek immediate medical attention.
<b>Skin</b>	Remove all contaminated clothing and immediately wash affected area with plenty of water. If swelling, redness, blistering or irritation occurs, seek medical advice.
<b>Eye contact</b>	Hold eyes open and flood with running water for at least 15 minutes, bathe eyes with soothing eyedrops or sterile saline, urgently seek medical attention. Transport to hospital or medical centre.
<b>First Aid Facilities</b>	Eye wash station and normal washroom facilities. Emergency shower if handling industrial quantities.
<b>Advice to Doctor</b>	Product is a concentrated aqueous solution of sodium hydroxide. Corrosive by all routes. Risk of serious eye damage. If swallowed, may cause holes in stomach and intestines. Contact Poisons Information Centre.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Use extinguishing media appropriate to surrounding fire.
<b>Hazards from Combustion Products</b>	Water vapour, oxides of sodium.
<b>Specific Methods</b>	In case of small fire/explosion use water. In case of major emergency use PPE: breathing apparatus and protective gloves.
<b>Specific hazards arising from the chemical</b>	Not flammable. Contact with aluminium, tin, zinc or galvanised iron may generate hydrogen, a flammable gas. Will react vigorously or violently with acids, generating much heat, and giving off carbon dioxide, a simple asphyxiant. Contact with ammonium compounds will generate ammonia, a poisonous gas.
<b>Hazchem Code</b>	2R

## 6. Accidental release measures

<b>Emergency Procedures</b>	Contain.
<b>Spills &amp; Disposal</b>	For large spills: Contain spillages with sand or earth. Transfer both liquid and solids to suitable container(s). Treat residues as for small spills. For small spills: If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise, absorb on inert absorbent and transfer to suitable container. Wash site of spillage thoroughly with water and detergent. Ventilate area to dispel any residual vapours.

## 7. Handling and storage

<b>Conditions for safe storage, including any incompatibilities</b>	Store in cool place in original container. Store away from oxidisers, acids and foodstuffs. Keep containers closed when not in use. Store out of reach of children. Large quantities should be stored in a bunded area. Do not mix with other chemicals. Clean up all spills and splashes promptly; avoid secondary accidents.
<b>Unsuitable Materials</b>	Acids, active metals, ammonium compounds, nitro compounds, organic halides.

## 8. Exposure controls/personal protection

Occupational exposure limit values	<u>Name</u>	STEL		TWA		<u>Footnote</u>
		<u>mg/m3</u>	<u>ppm</u>	<u>mg/m3</u>	<u>ppm</u>	
	Sodium hydroxide			2		Peak limitation
<b>Appropriate engineering controls</b>	In very confined spaces have sufficient ventilation. Do not atomise the product. Do not enter confined spaces where vapours may have accumulated. Keep containers closed when not in use. Do not decant in unlabelled bottles. Avoid using aluminium, tin, zinc, galvanised iron, wood or wood products as					

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<b>Personal Protective Equipment</b>	<p>materials of construction.</p> <p>Avoid contact with skin and eyes. Avoid breathing aerosols. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:-</p> <p>Normal Use:</p> <ul style="list-style-type: none"> <li>Eye/face protection</li> <li>Gloves, rubber or plastic.</li> </ul> <p>Industrial Quantities:</p> <ul style="list-style-type: none"> <li>Face shield or safety glasses</li> <li>Gloves, rubber or plastic</li> <li>Plastic apron, sleeves and boots</li> <li>Impervious overalls.</li> </ul> <p>Always maintain a high level of personal hygiene when using cleaning chemicals. That is wash hands before eating, drinking, smoking or using the toilet.</p>
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## 9. Physical and chemical properties

<b>Form</b>	Liquid
<b>Appearance</b>	Clear, almost colourless liquid.
<b>Odour</b>	Practically odourless.
<b>Boiling Point</b>	approx. 100C
<b>Solubility in Water</b>	Miscible with water in all proportions.
<b>Specific Gravity</b>	1.45
<b>pH</b>	>13
<b>Flash Point</b>	None
<b>Flammability</b>	Not flammable.
<b>Other Information</b>	Highly alkaline. Will react vigorously or violently with acids or acidic salts. Will absorb carbon dioxide from the air, forming carbonates. Will attack active metals (such as aluminium, lead, tin, zinc or galvanised iron) generating hydrogen, a flammable gas. Contact with ammonium compounds may generate ammonia, a toxic gas. Will attack wood, sawdust, wood shavings and wood products (such as paper, cardboard, chipboards). May attack glass on prolonged contact. Will saponify animal fats and tallows, forming soaps. Corrosive to living tissues. Incompatible with nitro compounds, organic halides. Very slippery when spilled.

## 10. Stability and reactivity

<b>Chemical Stability</b>	Stable under normal use conditons.
<b>Conditions to Avoid</b>	Incompatible materials.
<b>Incompatible Materials</b>	Acids and acidic compounds, active metals, ammonium compounds, glass, nitro compounds, organic halides, wood and paper products.
<b>Hazardous Decomposition Products</b>	Oxides of sodium.
<b>Possibility of hazardous reactions</b>	Hydrogen gas is generated when undiluted material contacts aluminium, zinc or tin. May react violently with acids. May generate ammonia from ammonium compounds. May react violently with organic halides. May form shock-sensitive salts with nitro compounds.

## 11. Toxicological Information

<b>Acute Toxicity - Oral</b>	LD50: Sodium hydroxide No data LDLo: Sodium hydroxide 1.57 mg/kg oral, human - anorexia, body temperature increase, primary irritation (after topical exposure), death.
<b>Ingestion</b>	Corrosive. May be fatal. Causes severe damage to any tissues it comes into contact with. May cause swelling of the larynx and subsequent suffocation. May cause burns in the mouth and throat, nausea, vomiting, diarrhoea

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<b>Inhalation</b>	(sometimes bloody), fall in blood pressure, heart failure, coma and death. May cause perforation of the stomach and intestines. The sites of subsequent scarring has been associated with the development of stomach cancers.
<b>Skin</b>	Aerosols may cause damage to the lungs and upper respiratory tract. Effects may range from mild irritation, coughing, a burning sensation, laboured breathing, sneezing, sore throat and runny nose, to severe pneumonitis (inflammation of lung tissues). Over-exposure may cause pulmonary oedema (fluid build-up in the lungs) with potential to become a medical emergency. Onset of symptoms may be delayed for several hours.
<b>Eye</b>	Corrosive to skin - may cause skin burns. Skin contact often does not cause pain, thus care should be taken to avoid contamination of gloves and footwear. Repeated or prolonged contact may lead to irritant contact dermatitis. Mists or aerosols may cause small burns.
<b>Chronic Effects</b>	Corrosive. Risk of serious eye damage, and permanent impairment of sight. May cause redness, pain and blurred vision. Liquid splashes into the eye may rapidly cause severe tissue damage and deep burns.
	Long term, low level exposure can lead to irritation of skin, lungs, nose, throat and mouth.

## 12. Ecological information

<b>Ecotoxicity</b>	Harmful to aquatic organisms.
<b>Persistence and degradability</b>	No data.
<b>Mobility</b>	Readily transported by water.
<b>Environmental Protection</b>	Avoid contaminating waterways, drains, sewers, or ground.

## 13. Disposal considerations

<b>Waste Disposal</b>	Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Normally suitable for disposal by approved waste disposal agent.
<b>Product Disposal</b>	Avoid disposal to natural waters or the environment.
<b>Container Disposal</b>	Do not use containers of aluminium, tin, zinc, galvanised iron, or glass.
<b>Special precautions for landfill or incineration</b>	May be unsuitable for some landfill sites.

## 14. Transport information

<b>Transport Information</b>	Classified as a Class 8 Dangerous Good. Dangerous Goods of Class 8 Corrosives are incompatible in a placard load with any of the following: - Class 1, Class 4.3, Class 5, Class 6, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids and Class 7. Store away from acids.
<b>U.N. Number</b>	1824
<b>UN proper shipping name</b>	SODIUM HYDROXIDE SOLUTION
<b>Transport hazard class(es)</b>	8
<b>Hazchem Code</b>	2R
<b>Packing Group</b>	II
<b>EPG Number</b>	8A1
<b>IERG Number</b>	37

## 15. Regulatory information

<b>Poisons Schedule</b>	S6
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**AICS (Australia)** All components listed.

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## 16. Other Information

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**Date of preparation  
or last revision of  
SDS** 3/11/2016

**Literature  
References** Preparation of Safety Data Sheets for hazardous Chemicals Code of Practice  
Standard for the Uniform Scheduling of Medicines and Poisons  
Australian Code for the Transport of Dangerous Goods by Road & Rail  
Globally Harmonised System of classification and labelling of chemicals

**Signature of  
Preparer/Data  
Service** Technical Manager 0407 610 542

**Technical Contact  
Numbers** Emergency Advice All Hours:  
Technical Manager: 0407 610 542 Mon-Fri 8am - 6pm  
Poisons Information Centre: 13 11 26 - 24hrs  
Transport/Fire Emergency: 000 (Emergency services)

**Other Information** This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the Workplace. Please refer to the technical datasheet (Instructions for use), and the label on the drum. The company cannot anticipate or control the individual working conditions encountered and so each user should read this SDS carefully, and if in doubt ring the Contact Point Number given below.  
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