

# Nova

## 1: Identification of the Material and Supplier

<b>Product Identifier</b>	Nova		
<b>Other Means of Identification</b>	Sodium hydroxide, potassium hydroxide solution		
<b>Recommended Use</b>	Oven and hot plate cleaner		
<b>Supplier</b>	<b>Organisation</b>	<b>Location</b>	<b>Contact Information</b>
	Chemform Pty Ltd	7 Kirke St	Phone: (08) 9240 7444
	ABN: 50 008 905 119	Balcatta WA 6021	Fax: (08) 9344 4360
		Australia	E-Mail: admin@chemform.com.au
			Web: www.chemform.com.au
<b>Emergency Phone Number</b>	Poisons Information Centre (Australia) 13 11 26		

## 2: Hazard Identification

Classified as hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) criteria of Safe Work Australia and classified as a dangerous good according to Australian Dangerous Goods Code.

<b>GHS Classification</b>	Skin corrosion (category 1)
<b>Signal Word</b>	Danger
<b>Hazardous Statement(s)</b>	Causes severe skin burns and eye damage.
<b>Precautionary Statement(s)</b>	Wear safety glasses and protective gloves. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor/physician. Store locked up.

## 3: Composition/Information on Ingredients

Ingredient	CAS Number	Proportion
Sodium Hydroxide	1310-73-2	10-<30%
Potassium Hydroxide	68081-81-2	10-<30%
Non-hazardous ingredients	-	to 100%

## 4: First Aid Measures

<b>General</b>	For advice, contact a Poisons Information Centre (Australia 13 11 26) or a doctor.
<b>Ingestion</b>	If swallowed, DO NOT induce vomiting. If person is conscious, rinse mouth thoroughly with water first then give a glass of water to drink. If vomiting occurs, wash out mouth again with water and give another glass of water to drink. Seek medical attention urgently.
<b>Eyes</b>	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre (Australia 13 11 26) or by a doctor, or for at least 15 minutes.
<b>Skin</b>	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.
<b>Inhalation</b>	If swallowed or inhaled, remove from contaminated area. Apply artificial respiration if not breathing. Do not give direct mouth-to-mouth resuscitation. To protect rescuer, use air-viva, oxy-viva or one-way mask. Resuscitate in a well-ventilated area.
<b>Symptoms Caused by Exposure (Chronic)</b>	No data available
<b>Medical Attention and Special Treatment</b>	Treat symptomatically as for strong alkali. Can cause corneal burn. Mucosal damage may contraindicate the use of gastric lavage.

## 5: Fire Fighting Measures

<b>Suitable Extinguishing Equipment</b>	Material itself is not combustible. Extinguish fire using agent suitable for type of surrounding fire. (Use foam, dry chemical or carbon dioxide. Keep run-off water out of sewers and water sources
<b>Specific Hazards Arising from the Chemical</b>	No specific hazards
<b>Special Protective Equipment and Precautions for Fire Fighters</b>	The following protective equipment for fire fighters is recommended when this material is present in the area of a fire: chemical goggles, body-covering protective clothing, chemical resistant gloves, and rubber boots.
<b>Hazchem Code</b>	2X

## 6: Accidental Release Measures

<b>Personal Precautions</b>	Wear protective eyewear, chemical resistant boots, impervious overalls and gloves.	
<b>Environmental Precautions</b>	Seek disposal options by a licensed waste contractor	
<b>Spills and Disposal</b>	<b>Small Spills</b>	<b>Large Spills</b>
	Wear personal protective equipment. Wash away with large quantities of water. Neutralise any residue with a dilute vinegar solution.	Wear personal protective equipment – chemicals goggles, face shield, impervious clothing (e.g. PVC suits), PVC, nitrile or rubber gloves and boots. Use sand or attapulgit to absorb spill. Shovel up, collect and seal in properly labelled drums for disposal. Residues may be washed away with water. Wash down area with large amounts of water. Prevent run off into drains and waterways.

## 7: Handling and Storage

**Precautions for Safe Handling** Wash hands after use. Minimise direct contact with product. Use PPE as described in section 8.

**Conditions for Safe Storage** Always replace lid on container after use. Store out of direct sunlight and out of the reach of children.

## 8: Exposure Controls – Personal Protection

**National Exposure Standards** TWA of 2mg/m<sup>3</sup> as Sodium Hydroxide and TWA of 2mg/m<sup>3</sup> as Potassium Hydroxide

**Engineering Controls** Avoid generation and inhalation of mists and aerosols

### Individual Protection

**Eyes/Face** Face shield

**Hands** Rubber or nitrile gloves

**Skin** Apron and chemical resistant boots

**Respiratory** If mists are generated use a respirator

## 9: Physical and Chemical Properties

**Appearance** Brown liquid

**Odour** Nil

**pH** 11.5 – 12.8 (1% solution)

**Vapour Pressure** Not relevant

**Vapour Density** Not relevant

**Flash Point** Not applicable

**Flammability Limits** Not applicable

**Boiling Point** >100C

**Melting Point** <0C

**Specific Gravity** 1.17 – 1.19

**Solubility** Soluble in water

## 10: Stability and Reactivity

**Chemical Stability** The product is stable under normal conditions

**Possibility of Hazardous Reaction** Reacts violently with acids liberating excessive heat.

**Conditions to Avoid** Extreme heat and temperatures

**Incompatible Materials** Oxidising chemicals –, Hydrogen peroxide. Reacts with aluminium and zinc (galvanising) and forms hydrogen, which can form explosive gas mixtures with air in confined spaces.

**Hazardous Decomposition Products** None known

## 11: Toxicological Information

<b>Ingestion</b>	Oral LD50 (rat): 125 mg/kg (product). Ingestion causes severe damage to the mucous membranes or other tissue with which contact is made. It can cause perforation and scarring.
<b>Eye</b>	Eye rabbit 5 mg/24hr severe. Highly corrosive to eyes. May cause conjunctivitis, corneal burns and ulceration. Permanent eye damage, including loss of sight, may occur.
<b>Skin</b>	Highly corrosive to skin. Irritant dermatitis may result from working with this material. Produces burns, deep ulceration and gelatinous necrotic areas at the site of contact. Skin contact can result in little or no pain thus contamination of gloves or boots can be very damaging.
<b>Inhalation</b>	Not considered a feature of normal use. Inhalation of sprays or mists will result in respiratory irritation and possible harmful corrosive effects including lesions of nasal septum, pulmonary oedema, pneumonitis and emphysema.

## 12: Ecological Information

<b>Ecotoxicity</b>	Leuciscus idus melanotus (golden orfe) 48 h LC50 189mg/L (sodium hydroxide)
<b>Persistence/Degradability</b>	Does not persist in the environment and degrades to sodium salts.
<b>Bio-accumulative Potential</b>	No potential to bio-accumulative
<b>Mobility in Soil</b>	No data available

## 13: Disposal Considerations

<b>Disposal Methods</b>	Disposal of this product and solutions of the product should at all times comply with requirements of environmental protection and waste disposal legislation as well as requirements by local authorities. Dispose of via licensed waste disposal carriers.
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## 14: Transport Information

<b>UN Number</b>	3266
<b>Shipping Name</b>	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S (Potassium/Sodium Hydroxide solution)
<b>Class</b>	8
<b>Subsidiary Risk</b>	None allocated
<b>Packing Group</b>	II
<b>Special Precautions For Users</b>	Ensure containers are clearly labelled. Keep containers securely sealed and protected against physical damage. Store away from acids. Do not use aluminium or galvanized containers. Steel or plastic containers suitable.
<b>Hazchem Code</b>	2X
<b>IERG Number</b>	37

## 15: Regulatory Information

**Packaging & Labelling** This product is a Scheduled Poison (S6) and must therefore be stored, maintained and used in accordance with the relevant State Poisons Act. Defined as a "Dangerous Good" by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

## 16: Other Information

**Prepared By** Brett Amos  
**Date of Previous Issue** June 2014  
**Changes Made** Update SDS to GHS format. 28/04/2017 updated hazchem code an shipping name.  
**References** Australian Dangerous Goods Code  
Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice 2011.  
Standard for the Uniform Scheduling of Medicines & Poisons (SUSMP)  
Guidance on the Classification of Hazardous Chemicals Under the WHS Regulations (April 2012)

**Contact Person/Point** Australia 24 HOUR EMERGENCY CONTACT  
Poisons Information Centre 13 11 26

**Legal Disclaimer** The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

**END OF SAFETY DATA SHEET**