Safety Data Sheet

Nova

1: Identification of the material and supplier

Names

Product Name:	Nova
Other Name:	Sodium Hydroxide,Potassium Hydroxide solution
Supplier:	Chemform Pty Ltd (ABN: 50 008 905 119) 7 Kirke Street, Balcatta, WA 6021 Phone (08) 9344 2455 Fax: (08) 9344 4360 Email: admin@chemform.com.au
Emergency Telephone:	Poisons Information Centre (Australia) 13 1126
Recommended Use:	Oven and grill cleaner

2: Hazardous Identification

Statement of Hazardous/ Dangerous Nature: Classified as hazardous according to the criteria of NOHSC and classified as dangerous goods according to Australian Dangerous Goods Code.

Hazard Classification:	C	Corrosive
Risk Phrase:	R35	Causes severe burns
Safety Phrases:	S1/2	Keep locked up and out of 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.

3: Composition/Information on Ingredients

INGREDIENT	CAS NUMBER	PROPORTION
Sodium Hydroxide	1310-73-2	10-<30%
Potassium Hydroxide	1310-58-3	10-<30%
Non Hazardous	-	Up to 100%

4: First Aid Measures

Ingestion:	If swallowed, do NOT induce vomiting.
Eyes:	If in eyes, hold eyelids apart and flush the eye continuously with running water for at least 15 minutes. Seek urgent medical assistance.
Skin:	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.
Advice to Doctor:	Treat symptomatically as for strong alkali. Can cause corneal burn. Mucosal damage may contraindicate the use of gastric lavage.
First Aid Facilities:	Eye wash station, fresh water
Long Term Effects:	None known

5: Fire Fighting Measures

General Comment: The product is non combustible.
Specific Hazards: The product is a strong alkali and will react with aluminium to produce hydrogen, a flammable gas.
Hazchem Code: 2R

6: Accidental Release Measures

Personal Precautions: Keep unnecessary personnel away.

Spills and Disposal: Slippery when wet. Spills and residues may be washed away with large quantities of water.

7: Handling and Storage

Handling: Always add product to water. Minimise direct contact with product.

Storage: Always replace lid on container after use.

Hygiene Measures: Always wash hands before eating, drinking, smoking or using the toilet.

8: Exposure Controls – Personal Protection

National Exposure Standards: TWA of 2mg/m^3 as Sodium Hydroxide, TWA of 2mg/m^3 as Potassium Hydroxide

Engineering Controls: Avoid generation and inhalation of mists and aerosols.

Personal Protection:

Eyes: Face shield.

Hands: Nitrile gloves

Skin: Nitrile splash apron and rubber boots.

9: Physical and Chemical Properties

Appearance: Brown liquid
Odour: Nil
pH: 1% solution 12.5
Vapour Pressure: Not applicable
Vapour Density: Not applicable
Boiling Point: 120ºC
Melting Point: Not applicable
Solubility: Completely soluble in water
Specific Gravity: 1.1 – 1.2

10: Stability and Reactivity

Chemical Stability: The product is stable under normal conditions.
Conditions to Avoid: Always add product to water.
Incompatible Materials: The product will rapidly dissolve aluminium liberating highly flammable hydrogen gas.
Hazardous Reaction: Reacts violently with acids liberating excessive heat.

11: Toxicological Information

Exposure Limits: Oral lowest lethal dose (Rabbit): 125 mg/kg
LD50 Oral: (Mouse): 40 mg/kg (as sodium hydroxide)
IRRITATION DATA:
Skin: Rabbit 500 mg/24 hours: Severe

Ingestion (acute): Highly corrosive. Low systemic toxicity. Produces burning in the mouth and oesophagus, nausea, vomiting, abdominal pain, oedema (swelling of the larynx) with subsequent suffocation, coma and cardiovascular collapse.

Eye (acute): A severe eye irritant. Highly corrosive to eyes. May cause conjunctivitis, corneal burns and ulceration. Permanent eye damage, including loss of sight, may occur.

Skin (acute): 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.

Inhalation (acute): 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.

Chronic Effects: Repeated or prolonged skin contact can cause chronic dermatitis.

12: Ecological Information

Environmental Protection This substance may be hazardous to the environment.

13: Disposal Considerations

Disposal Methods: Tanks containing the product must not be discharged into the environment. 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.

14: Transport Information

UN Number: 1760
UN Proper Shipping Name: Corrosive Liquid (Potassium/Sodium Hydroxide solution)
Class: 8
Subsidiary Risk: None allocated
Packing Group: II
Special Precautions For users: Ensure containers are clearly labeled. 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.
Hazchem Code: 2R
IERG Number: 37

15: Regulatory Information

Packaging & Labelling: This product contains 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

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Change Made: Formula change (inclusion of potassium hydroxide

References: Australian Dangerous Goods Code
List of Designated Hazardous Substances
National Code of Practice for the Preparation of Material Safety Data Sheets
Standard for the Union Scheduling of Drugs and Poisons

Contact Person/Point: Australia:
24 HOUR EMERGENCY CONTACT
Poisons Information Centre (Australia) 13 1126

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