

Jet Clean

1: Identification of the Material and Supplier

Product Identifier	Jet Clean		
Other Means of Identification	JETCLEAN2X5L.CTN (2x5L), JETCLEAN.20 (20L), JETCLEAN.D (205L)		
Recommended Use	Machine dishwashing liquid		
Supplier	Organisation	Location	Contact Information
	Chemform	7 Kirke St	Phone: 1300 415 278
	ABN: 50 008 905 119	Balcatta WA 6021	Fax: (08) 9344 4360
		Australia	E-Mail: admin@chemform.com.au
			Web: www.chemform.com.au
Emergency Phone Number	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

GHS Classification	Skin corrosion (category 1) Eye damage (category 1)
Signal Word	Danger
Hazard Statement(s)	Causes severe skin burns and eye damage



Precautionary Statement(s)	Wear eye protection and protective gloves and clothing. Wash hands thoroughly after handling. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTRE. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Dispose of container in accordance with local regulations.
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3: Composition/Information on Ingredients

Ingredient	CAS Number	Proportion (% w/w)
Sodium Hydroxide	1310-73-2	10-<30%
Sodium Edetate	64-02-8	<10%
Non-hazardous ingredients	-	to 100%

4: First Aid Measures

General	For advice, contact a Poisons Information Centre (Australia 13 11 26) or a doctor.
Ingestion	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.
Eyes	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. Seek medical attention urgently.
Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.
Inhalation	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.
Symptoms Caused by Exposure	Please refer to Section 11- Toxicological Information.
Medical Attention and Special Treatment	Treat symptomatically as for strong alkali and highly corrosive materials. Can liquefy tissue by denaturation of proteins and saponification of fats. Alkalis can continue to penetrate very deeply into tissue. Can cause corneal burn. Mucosal damage may contraindicate the use of gastric lavage.

5: Fire Fighting Measures

Suitable Extinguishing Equipment	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.
Specific Hazards Arising from the Chemical	The product is a strong alkali and will react with aluminum to produce hydrogen, a flammable gas.
Special Protective Equipment and Precautions for Fire Fighters	Use water spray to keep fire-exposed containers cool. The following protective equipment for fire fighters is recommended when this material is present in the area of a fire. Liquid-tight chemical protective suit with breathing apparatus.
Hazchem Code	2R

6: Accidental Release Measures

Personal Precautions	Surfaces may be slippery. Increase ventilation. Wear PPE in accordance with section 8. Stop leak if safe to do so. Isolate the spill area. Keep unnecessary personnel away. Clean up immediately to avoid accidents.
Environmental Precautions	Do NOT allow spilled concentrated product to enter drains, sewers, creeks, dams, rivers or waterways.

Spills and Disposal

Small Spills

Wear personal protective equipment. Wash away with large quantities of water. Neutralise any residue with a dilute vinegar solution.

Large Spills

Contain, collect and recycle spilt product if possible otherwise absorb spill with material such as soil, sand, attapulgate, vermiculite. Collect and seal in properly labelled, chemical resistant containers. Wash area with water. Seek disposal options by a licensed waste contractor.

7: Handling and Storage

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

Conditions for Safe Storage Always replace lid on container after use. Store in a cool dry place out of direct sunlight and out of reach of children.

8: Exposure Controls – Personal Protection

National Exposure Standards	TWA of 2mg/m ³ as sodium hydroxide.
Engineering Controls	Avoid generation and inhalation of mists and aerosols
Individual Protection	
Eyes/Face	Safety glasses
Hands	Rubber gloves
Skin	Long sleeved chemical impervious work wear and foot wear.
Respiratory	If mists are generated use a respirator.

9: Physical and Chemical Properties

Appearance	Yellow liquid
Odour	Nil
pH	11.3 – 12.3 (1% solution)
Vapour Pressure	No data available
Vapour Density	No data available
Flash Point	Not applicable
Flammability Limits	Not flammable
Boiling Point	>100°C
Melting Point	<0°C
Specific Gravity	1.13
Solubility	Soluble in water

10: Stability and Reactivity

Chemical Stability	The product is stable under normal conditions.
Possibility of Hazardous Reaction	No hazardous reactions expected when handled in accordance with label directions.
Conditions to Avoid	Avoid extreme heat and high temperatures.
Incompatible Materials	Avoid contact with strong oxidisers, acids and aluminium.
Hazardous Decomposition Products	No hazardous reactions when stored and handled according to instructions.

11: Toxicological Information

Ingestion	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	Highly corrosive to eyes. May cause conjunctivitis, corneal burns and ulceration. Permanent eye damage, including loss of sight, may occur. Draize test, rabbit, eye: 237 ug/24 hr Severe.
Skin	Draize test, rabbit, skin: 2172 mg/24 hr Severe (product). 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	Not considered a risk 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

Ecotoxicity	Leuciscus idus melanotus (golden orfe) 48 h LC ₅₀ 181mg/L (sodium hydroxide). Goldfish (Carassius auratus) LC ₅₀ (24 hr) 655 mg/L (product). Guppy (Poecilia reticulata) LC ₅₀ (24 hr) 619 mg/L (product).
Persistence/Degradability	Not expected to persist in the environment. Will degrade in the environment.
Bio-accumulative Potential	Has limited potential to bio-accumulative
Mobility in Soil	No data available

13: Disposal Considerations

Disposal Methods	The most effective way to dispose of product is to use as was originally intended, in accordance with label instructions. If disposal of large volumes of unwanted or excess product is required, either supply to product to someone who can use it in accordance with label instructions or contact your local council and/or state environmental authority for advice. Dispose of in accordance with Local, State and Federal regulations. Drain containers thoroughly and rinse empty containers with water and use the solution in accordance with label instructions. Recycle packaging at an approved collection point or recycling facility.
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14: Transport Information

UN Number	1824
Shipping Name	SODIUM HYDROXIDE SOLUTION
Class	8
Subsidiary Risk	None allocated
Packing Group	II
Special Precautions For Users	Ensure all containers are clearly labelled. Keep containers securely sealed and protected against physical damage
Hazchem Code	2R
IERG (HB76)	37
AERG Number	154

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.
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16: Other Information

Prepared By	Brett Amos
Date of Previous Issue	December 2019
Changes Made	Complete GHS review.
References	Australian Dangerous Goods Code. Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice July 2020. Standard for the Uniform Scheduling of Medicines & Poisons (SUSMP). Globally Harmonised System of Classification and Labelling of Chemicals (GHS) (Rev.7 2017)
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