Safety Data Sheet Clorogene Supplies Ltd

Supplier: Clorogene Supplies Ltd
Address: 58 Waione St
Petone
Wellington
Telephone: 04 5685530
Email: info@clorogene.co.nz

Emergency Telephone number: 0800 CHEMCALL (0800 243 6225)

Cloudy Ammonia

1. Identification of the substance/mixture and supplier

Product Name	**Cloudy Ammonia**
Other names	**Ammonium hydroxide solution.**
Recommended Uses	**Cleaning**
Supplier	**Clorogene Supplies** Limited
Street address	**58 Waione Street** Petone
Telephone Number	(04) 5685530
Emergency Telephone	0800 CHEMCALL (24 hours) 0800 243 622

2. Hazards Identification

Dangerous Goods	Not Classified as a Dangerous Good according to NZS 5433:1999 Transport of Dangerous Goods on Land
Hazardous Substances	Classified as hazardous according to schedules 1 to 6 of the HS (Minimum Degrees of Hazard) Regulations 2001 of the HSNO Act, 1996
HSNO Classification	6.3B, 6.4A, 9.1D
Signal Word;	**WARNING**
Hazard Statements:	**H316** Causes mild skin irritation. **H320 Causes eye irritation** **H402 Harmful to aquatic life**
Prevention Statements;	**P103** Read label before use. P264 W**ash hands thoroughly after handling** P273 Avoid release to environment P280 Wear eye protection.
Response Statements;	P305 + P351 + P338 IF IN EYES; Rinse cautiously with water for Several minutes. Remove contact lenses, if present & easy to do. Continue rinsing. P337 +P313 If skin irritation occurs, seek medical advice.

Disposal Statements	P501 Dispose of waste in accordance with Regional Authority or local council authority.

3. Composition/Information on Ingredients

Contents	CAS Number	Proportion
Water	7732-18-5	Up to 100%
Ammonium Hydroxide	1336-21-6	<5%
Surfactant / Pearlessence	Propriety	<2%

4. First Aid Measures

For advice, contact National Poisons Information Centre (Phone 0800 764 766) or a doctor

Swallowed	Do NOT induce vomiting. Rinse mouth with milk or water. Give large amounts of water or milk to drink to achieve dilution. If vomiting occurs place victims face downwards to prevent vomit entering lungs. Seek urgent medical assistance.
Eye Contact	Flush eye(s) with copious amounts of cold or luke warm water for at least 15 minutes retracting eyelids frequently. Remove contact lenses if present. Seek medical assistance.
Skin Contact	Flood the affected area with copious amounts of soap and water, remove contaminated clothing and launder before reuse. If rash or decolouration appears or persists seek medical assistance.
Inhaled	Remove to ventilation; seek medical assistance.
Advice to Doctor	Treat symptomatically. Refer to National Poisons and Hazardous Chemicals Information Centre Phone 0800 764 766

5. Fire-fighting measures

Specific Hazard	Non Combustible or explosive, may release ammonia gas when heated.
Suitable Extinguishing Media	Not combustible, however, if material is involved in a fire use: Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).
Fire-fighting advice	If safe to do so, remove containers from path of fire. Keep containers cool with water spray. The main products of combustion in air, at or above 780^{o}C, are nitrogen and water with small amounts of nitrogen dioxide and ammonium nitrate. Ammonia decomposes into flammable hydrogen gas at approximately 450^{o}C. May form flammable mixtures in air. The presence of oil or other combustible material will increase the fire hazard. If involved in a fire, keep Fire-fighters to wear full body protective clothing and self-contained breathing apparatus. Consider evacuation.
Hazchem code	Not applicable

6. Accidental Release Measures

Shut off all sources of ignition. Keep personnel clear of area. Wear protective clothing and respirator. . If contamination of sewers or waterways has occurred, advise local Emergency Services

For minor spills	Absorb with sand, earth, vermiculite or other inert material. Collect and seal in properly labelled containers or drums for disposal. Neutralise residues by dilution with water and then addition of a weak solution of citric or acetic acid. Wash area down with excess water**.** Dispose of resulting liquid in accordance with local body regulations. Do not wash material down the drain or sewer.
For major spills	If the spill is large contain spill with sand, earth or vermiculite, and collect recoverable material into labelled containers. Seal containers for later disposal Treat area as for minor spills.

7. Handling and Storage

Handling advice	Before use carefully read the product label. Avoid skin and eye contact and breathing in vapour mists and aerosols.
Storage advice	Store in a cool dry place and out of direct sunlight. Store away from foodstuffs. Store away from heat and sources of ignition. Store away from oxidising agents, silver salts and acids. Keep out of reach of children. Keep containers closed when not in use - check regularly for leaks.

8. Exposure Controls/Personal Protection

Workplace exposure Guidelines
Ammonia solution not listed.
NZ WES-TWA 25ppm (17 mg/m^3) for ammonia gas

As published by the New Zealand Occupational Safety and Health Service (OSH).
WES - TWA (Workplace Exposure Standard - Time Weighted Average) - The eight-hour, time-weighted average exposure standard is designed to protect the worker from the effects of long-term exposure.
These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Engineering Controls
Adequate Ventilation essential, extraction device or fan recommended. Keep containers closed when not in use.

Personal Protective Equipment
Wear overalls, full face shield, elbow length PVC or rubber gloves, splash apron and rubber boots. Ensure ventilation is adequate. If inhalation risk exists, use with local exhaust ventilation or while wearing air supplied mask. Keep containers closed while not in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

9. Physical and Chemical Properties

Appearance	Cloudy Liquid
Odour	Ammonia
Solubility	Completely soluble in water

Specific Gravity	**1.0**
Flash Point (^{0}C)	Greater than 100%C
pH	10 (1% aqueous solution)

10. Stability and Reactivity

Stability	**Stable at room temperature and pressure.**
Conditions to avoid	**No specific information available.**

Hazardous decomposition products; No decomposition products except on burning. See Fire Fighting and Hazardous Reactions.

Reactivity	**No specific information available.**

11. Toxicological information

No adverse health effects if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if mishandled and overexposure occurs.

Swallowed	Burns to soft mucous tissues of mouth and throat, severe stomach pains, nausea, vomiting.
Eye Contact	Fumes and liquid capable of causing severe burns and potentially permanent eye damage, including corneal opacity, glaucoma, cataracts.
Skin Contact	Strong irritant, can cause serious burns to exposed skin.
Inhaled	Solution and vapour are irritant to mucus membranes and respiratory tract. Inhalation of high vapour concentrations may cause severe breathing difficulties, chest pain and lung damage including pulmonary oedema possibly leading to death.
Long Term Effects	No information is available on this product.
Toxicological Data	Oral LD50 (rat) 350 mg/kg Eyes, severe irritant (rabbit)

12. Ecotoxicological information

Avoid contaminating waterways.

Aquatic toxicity	Toxic to aquatic organisms 96hr LC50 (rainbow trout): 0.53 mg/L (for ammonia)

13. Disposal

Recycle wherever possible. Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to an approved waste disposal contractor or after neutralising with a dilute solution of acid (hydrochloric, citric or phosphoric) be disposed of in an approved waste facility. Processing, use or contamination of this product may change the waste management options. Decontaminate empty containers with a plenty of water. All labels must be removed prior to disposal in a landfill. Do not use empty containers for food storage.

14. Transport information

Road and Rail Transport
Not classified as a Dangerous Good according to NZS 5433:2012 Transport of Dangerous Goods on Land for information.

UN No	**Not regulated**
Class-primary	
Packing Group	
Proper Shipping Name	
Hazchem Code	

15. Regulatory Information

ERMA (NZ) Approval Code HSR002530

16. Other information

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