

Infosafe No™ VARKU	Issue Date : January 2021	ISSUED by HUNTERST
Product Name AMMONIA SOLUTION (WITH 10-25% AMMONIA)		

1. Identification

GHS Product Identifier	AMMONIA SOLUTION (WITH 10-25% AMMONIA)
Company Name	Hunters Products (TAS) Pty. Ltd. (ABN 004 601 263)
Address	60 Gleadow Street INVERMAY TAS 7248 AUSTRALIA
Telephone/Fax Number	Tel: 03 6331 4755 Fax: 03 6334 1065
Emergency phone number	0407 610 542
Recommended use of the chemical and restrictions on use	Water treatment, chemical reagent

2. Hazard Identification

GHS classification of the substance/mixture	Hazardous to the Aquatic Environment - Acute Hazard: Category 1 Skin Corrosion/Irritation: Category 1B STOT Single Exposure: Category 3 (respiratory tract irritation)
Signal Word (s)	DANGER
Hazard Statement (s)	H314 Causes severe skin burns and eye damage. H335 May cause respiratory irritation. H400 Very toxic to aquatic life.
Precautionary statement – General	P102 Keep out of reach of children. P103 Read label before use.
Pictogram (s)	Corrosion, Exclamation mark, Environment



Precautionary statement – Prevention	P260 Do not breathe dust/fume/gas/mist/vapours/spray. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash contaminated skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary statement – Response	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. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P363 Wash contaminated clothing before reuse. P391 Collect spillage.
Precautionary statement – Storage	P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up.
Precautionary statement – Disposal	P501 Dispose of contents/container in accordance with local regulations.

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Ammonia	7764-41-7	10-30 %w/w
	Water	7732-18-5	To 100% w/w

Infosafe No™ VARKU	Issue Date : January 2021	ISSUED by HUNTERST
Product Name AMMONIA SOLUTION (WITH 10-25% AMMONIA)		

4. First-aid measures

First Aid Measures	If poisoning occurs contact a doctor or Poisons Information Centre Phone 131126.
Inhalation	Move to fresh air and remove contaminated clothing. Allow patient to assume a comfortable position and keep warm. Apply artificial respiration if patient is not breathing. Seek medical attention.
Ingestion	If swallowed immediately rinse mouth out with water. Drink copious amounts of water to dilute. DO NOT induce vomiting. Seek medical advice.
Skin	Remove contaminated clothing. Wash affected areas with soap and water. For gross contamination, immediately drench with water. Remove and launder contaminated clothing before reuse. Seek medical attention if Irritations develop.
Eye contact	Immediately rinse eyes with fresh running water for 15 minutes. Hold eyelids open. Seek urgent medical attention.
First Aid Facilities	Use should be made of an on-site approved first aid kit if required in the first instance until medical assistance is forthcoming.
Advice to Doctor	Treat symptomatically. Show this MSDS to the medical practitioner.

5. Fire-fighting measures

Suitable extinguishing media	Not combustible material. Use water spray, water fog, foam, dry agent (carbon dioxide, dry chemical powder).
Hazards from Combustion Products	Decomposes to form nitrogen, water with small amounts of nitrogen dioxide and ammonium nitrate. Fumes may be toxic and irritating.
Specific Methods	Fire fighters to wear full body protective clothing with breathing apparatus. Deluge with water to cool containers.
Hazchem Code	2R

6. Accidental release measures

Spills & Disposal	Slippery when spilt. Clean up immediately.
Personal Protection	Wear protective equipment to prevent skin and eye contact and breathing in vapors.
Environmental Precautions	Prevent run off into drains and waterways. If contamination of sewer or waterways has occurred advise local emergency services. Use inert absorbent (soil, sand or other inert material). Collect and seal containers for disposal according to statutory regulations.

7. Handling and storage

Precautions for Safe Handling	Avoid skin and eye contact and breathing in vapour.
Conditions for safe storage, including any incompatibilities	Store in a cool dry, well ventilated location away from direct sunlight. Store away from strong oxidising agents, foodstuffs and sources of heat and ignition. Store away from incompatible materials. This material is a scheduled poison S6 and must be stored in accordance with the relevant regulations.
Unsuitable Materials	Materials to avoid: Corrosive to copper, nickel, tin and zinc. Incompatible with oxidizing agents, reacts exothermically with strong mineral acids.

8. Exposure controls/personal protection

Occupational exposure limit values	ASCC exposure limits: No value assigned. However Ammonia TWA: 25 ppm 17mg/m ³ ; STEL: 35 ppm 24mg/m ³
Biological Limit Values	None established.
Appropriate engineering controls	Ensure adequate ventilation is handy. Use with local exhaust system or while wearing a respirator. Keep containers closed when not in use.
Personal Protective Equipment	Safety glasses / face shield are necessary; ensure an eyebath is nearby and accessible. Avoid all contact. Wear overalls, impervious gloves, splash apron and rubber boots. Where appropriate wear respirator equipment that complies with AS1715 and AS1716.

Infosafe No™ VARKU	Issue Date : January 2021	ISSUED by HUNTERST
--------------------	---------------------------	--------------------

Product Name **AMMONIA SOLUTION (WITH 10-25% AMMONIA)**

9. Physical and chemical properties

Appearance	Clear Colourless liquid.
Odour	Sharp, irritating pungent
Boiling Point	18-37°C
Solubility in Water	Absolutely soluble in water.
Specific Gravity	0.9
pH	11.7 (1%)
Flash Point	NA
Flammable Limits - Lower	16%
Flammable Limits - Upper	25%

10. Stability and reactivity

Chemical Stability	Stable under normal use conditons.
Conditions to Avoid	Heat, flames and other ignition sources.
Possibility of hazardous reactions	Ammonia gas is lighter than air, fumes will rise upwards. Corrosive to copper, nickel, tin and zinc. Incompatible with oxidizing agents, reacts exothermically with strong mineral acids.

11. Toxicological Information

Acute Toxicity - Oral	LD50 (rat): 350 mg/kg
Ingestion	Swallowing may result in nausea, vomiting, diarrhoea, abdominal pain, gastrointestinal corrosion, shock and collapse.
Inhalation	Vapour is irritating to mucous 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.
Skin	May cause severe irritation or burns.
Eye	Severe eye irritant. Corrosive can cause corneal burns. Contact with eyes may result in permanent eye injury.
Serious eye damage/irritation	Severe irritant (rabbit).

12. Ecological information

Ecological Information	Avoid contaminating waterways. Aquatic Toxicity: Toxic to aquatic organisms. 96 hr LC50 (rainbow trout): 0.53 mg/L (for ammonia).
-------------------------------	--

13. Disposal considerations

Disposal Considerations	Disposal in accordance with local waste management regulations.
--------------------------------	---

14. Transport information

Transport Information	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.
U.N. Number	2672
UN proper shipping name	AMMONIA SOLUTION

Infosafe No™ VARKU	Issue Date : January 2021	ISSUED by HUNTERST
--------------------	---------------------------	--------------------

Product Name **AMMONIA SOLUTION (WITH 10-25% AMMONIA)**

Transport hazard class(es)	8
Hazchem Code	2R
Packing Group	III
EPG Number	8A1
IERG Number	37

15. Regulatory information

Poisons Schedule	S6
AICS (Australia)	All components listed.

16. Other Information

Date of preparation or last revision of SDS 30/01/2021

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.
...End Of MSDS...

© Copyright Chemical Safety International Pty Ltd

Copyright in the source code of the HTML, PDF, XML, XFO and any other electronic files rendered by an Infosafe system for Infosafe MSDS displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copyright in the layout, presentation and appearance of each Infosafe MSDS displayed is the intellectual property of Chemical Safety International Pty Ltd. The compilation of MSDS's displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copying of any MSDS displayed is permitted for personal use only and otherwise is not permitted. In particular the MSDS's displayed cannot be copied for the purpose of sale or licence or for inclusion as part of a collection of MSDS without the express written consent of Chemical Safety International Pty Ltd.