

CLOUDY AMMONIA

Material Safety Data Sheet - MSDS

Section 1	MATERIAL AND SUPPLIER IDENTIFICATION
-----------	--------------------------------------

Product/Material Name Cloudy Ammonia

Other Names Not applicable

Recommended Use General cleaning

Supplier Name Loral Ipsum (Aust.) Pty Ltd

Address 12 Ramage Street
Bayswater, VIC
3153

Telephone Number +61 (0)3 9721 5000

Emergency Phone Number +61 (0)3 9721 5000

SECTION 2	HAZARDS IDENTIFICATION
-----------	------------------------

Hazard Classification:

NON-HAZARDOUS ACCORDING TO THE CRITERIA OF NOHSC.

NON-DANGEROUS GOOD ACCORDING TO THE AUSTRALIA DANGEROUS GOODS CODE.

Risk Phrase(s): None applicable

Safety Phrase(s): S24/25: Avoid contact with skin and eyes
S26: In case of contact with eyes, rinse immediately with water and seek medical advice.

Poisons Schedule: S5

SECTION 3	COMPOSITION / INFORMATION ON INGREDIENTS
-----------	--

Ingredient(s)	CAS Number	Proportion
Water and other nonhazardous substances	7732-18.5	> 60 %
Aqueous ammonia	1336-21-6	< 5 %
EDTA, tetrasodium salt	64-02-8	< 1 %
Other ingredients	-	< 1 %

Reference Number: RDIMSDS090006
Issue Date: 6/07/2009
Review Date: 5/07/2014
Page: 1 of 7

CLOUDY AMMONIA

Material Safety Data Sheet - MSDS

SECTION 4	FIRST AID MEASURES
-----------	--------------------

Ingestion

If swallowed do NOT induce vomiting. Rinse mouth with water. Give water to drink. For advice, contact a Poisons Information Centre (Phone e.g., Australia 13 11 26; New Zealand 0800 764 766) or a doctor immediately.

Skin

Remove contaminated clothing. Rinse affected area thoroughly with water. If irritation occurs seek medical advice.

Eye

In case of contact with eye(s) flush eye(s) continuously with running water whilst holding eyelids open. Continue flushing for at least 15 minutes or until advised to stop by the Poisons Information Centre or a doctor.

Inhalation

If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

Advice to Doctor

Treat symptomatically.

In case of poisoning, contact a Poisons Information Centre (Australia 13 11 26; New Zealand 0800 764 766 or contact a doctor (at once).

SECTION 5	FIRE FIGHTING MEASURES
-----------	------------------------

Fire / Explosion Hazard

Evacuate immediate area. Keep containers cool with water spray as they may rupture due to expansion or decomposition with heating.

Suitable Extinguishing Media

Dry chemical, carbon dioxide, foam or water fog.

Hazards from Combustion Products

Non combustible

Special Protective Equipment for Fire Fighters

Fire fighters should wear Self Contained Breathing Apparatus (SCBA). Toxic fumes may be emitted due to decomposition of product upon heating.

Hazchem Code

None available

Reference Number:	RDIMSDS090006
Issue Date:	6/07/2009
Review Date:	5/07/2014
Page:	2 of 7

CLOUDY AMMONIA

Material Safety Data Sheet - MSDS

SECTION 6	ACCIDENTAL RELEASE MEASURES
-----------	-----------------------------

Emergency Procedures

Minor Spill Procedure

Increase ventilation. Collect spill with sand, dirt or vermiculite. Seal in bags or drums for disposal. For very small spills simply mop up.

Major Spill Procedure

Notify emergency services. Contain spill and bund area. Use absorbent material (sand, dirt or vermiculite) to absorb spill, collect and seal in appropriate containers. Use water fog to disperse vapour clouds. Consult a disposal expert regarding disposal.

SECTION 7	HANDLING AND STORAGE
-----------	----------------------

Precautions for Safe Handling

Keep out of reach of children. Use only in a well ventilated area. Avoid inhaling fumes for extended periods. Wear appropriate personal protective equipment (e.g., safety glasses and neoprene/nitrile gloves) if contact with eyes or skin is a possibility. As with all chemicals, wash hands thoroughly after use, particularly prior to eating, drinking, smoking or using the toilet. Do not ingest or intentionally inhale the fumes.

Conditions for Safe Storage

Store in a cool place out of direct sunlight and direct heat sources. Store in tightly sealed containers when not in use. Only store in containers approved by the manufacturer for this use, ideally the original containers.

Storage Incompatibilities

Store away from strong acids and oxidising agents.

Suitable Storage Containers

Store only in original containers supplied by the manufacturer/supplier.

SECTION 8	EXPOSURE CONTROLS / PERSONAL PROTECTION
-----------	---

National Exposure Standards

No exposure controls have been assigned to this product. The following exposure controls have been assigned by NOHSC to the components that make up the product.

AMMONIA

TWA: 25ppm	17 mg/m ³
STEL (15 minutes): 35ppm	24 mg/m ³

Reference Number:	RDIMSDS090006
Issue Date:	6/07/2009
Review Date:	5/07/2014
Page:	3 of 7

CLOUDY AMMONIA

Material Safety Data Sheet - MSDS

EDTA, TETRASODIUM SALT

No exposure details available.

WATER AND OTHER NONHAZARDOUS SUBSTANCES

No exposure details available.

Biological Limit Values

No biological limit values are available for this product.

Engineering Controls

Maintain adequate ventilation through open windows and doors.

Personal Protective Equipment

EYES

If eye contact is a possibility wear safety glasses.

GLOVES

Wear neoprene, nitrile or rubber gloves.

RESPIRATORY PROTECTION

If handling large quantities the use of a respirator is recommended. Select a suitable respirator that meets AS/NZS 1715/1716 with an appropriate filter (e.g., P1). Self-contained breathing apparatus may also be used.

SECTION 9	PHYSICAL AND CHEMICAL PROPERTIES
-----------	----------------------------------

Appearance:	Cloudy white, opaque liquid.
Odour:	Distinctive pungent odour.
pH (neat):	11.0 – 12.5
pH (1% solution in water):	Not available.
Vapour Pressure (kPa):	Not available.
Relative Vapour Density (air = 1):	Not available.
Boiling Point / Range (°C):	Not available.
Freezing / Melting Point (°C):	Not available.
Solubility in water (g/L):	Not available.
Specific Gravity:	0.9850 – 0.9950
Flash Point (°C; including detection method) :	Not applicable.
Lower Flammable Limit in Air (%):	Not applicable.
Upper Flammable Limit in Air (%):	Not applicable.
Autoignition Temperature (°C):	Not applicable.
Decomposition Temperature (°C)	Not available.
Evaporation Rate:	Not available.
Viscosity:	Not available.
Volatile Component (%):	Not available.

CLOUDY AMMONIA

Material Safety Data Sheet - MSDS

SECTION 10	STABILITY AND REACTIVITY
------------	--------------------------

Chemical Stability

The product is stable for a minimum of 12 months under cool conditions out of direct sunlight in original, unopened packaging.

Conditions to Avoid

Avoid direct sunlight and heat.

Incompatible Materials

Strong acids or alkalis and oxidising agents.

Hazardous Decomposition Products

Oxidation of ammonia can form nitric acid.

Hazardous Reactions/Polymerisation

Emits toxic fumes upon decomposition by heating. Hazardous polymerisation is not a danger.

SECTION 11	TOXICOLOGICAL INFORMATION
------------	---------------------------

ACUTE HEALTH EFFECTS

Ingestion

Ingestion may cause irritation to the mouth, throat and stomach. Ingestion may lead to nausea, vomiting and diarrhoea.

Skin

Irritation may occur to the skin particularly to sensitive skin or after prolonged contact. Irritation may appear as redness, itching and/or dermatitis.

Eye

Contact of the product with the eye will cause irritation such as pain, blurred vision, tearing. Depending upon exposure level, eye damage may occur. High vapour concentrations may also result in eye irritation.

Inhalation

May cause irritation to the nose, throat and respiratory system. Symptoms may include coughing, dizziness and headache.

CHRONIC HEALTH EFFECTS

Prolonged or repeated exposure to vapours may cause irritation to the nose and throat. Deliberately concentrating and inhaling the product vapours may lead to lung damage and/or death.

Repeated or prolonged contact with skin may result in dermatitis.

Prolonged contact may lead to eye irritation.

CLOUDY AMMONIA

Material Safety Data Sheet - MSDS

TOXICOLOGICAL DATA

Toxicological information is not available for the mixture. Refer to the individual ingredient information.

Unless otherwise stated all data extracted from RTECS - Register of Toxic Effect of Chemical Substances

SECTION 12	ECOLOGICAL INFORMATION
------------	------------------------

Ecotoxicity

Harmful to aquatic life in high concentrations.

Persistence / Degradability

Biodegradable.

Mobility

Readily diluted by water.

Chemical Fate

No ecological information is available however it is recommended to minimise losses into the environment. Small amounts of ammonia are readily utilised by plants and bacteria. Ammonia does not bioaccumulate.

Environmental Protection

Prevent product from entering the environment through drains, waterways, sewers or by any other route.

SECTION 13	DISPOSAL CONSIDERATIONS
------------	-------------------------

Disposal Methods

Dispose of waste according to the appropriate state, federal and EPA regulations.

SECTION 14	TRANSPORT INFORMATION
------------	-----------------------

UN Number:	None allocated.
UN Proper Shipping Name:	Cloudy Ammonia
Class and Subsidiary Risk(s):	None allocated.
Packing Group:	None allocated.
Special Precautions for User:	See Sections 7 and 8.
Hazchem Code:	None allocated.

Reference Number:	RDIMSDS090006
Issue Date:	6/07/2009
Review Date:	5/07/2014
Page:	6 of 7

CLOUDY AMMONIA

Material Safety Data Sheet - MSDS

SECTION 15	REGULATORY INFORMATION
------------	------------------------

Poisons Schedule: S5

SECTION 16	OTHER INFORMATION
------------	-------------------

Date of Preparation: 6/07/2009

Contact Point: Research & Development Institute Pty Ltd
20 Keith St., Maidstone, VIC, Australia, 3012
Telephone: +61 (0)3 9317 3200
Fax: +61 (0)3 9317 3299
Email: contact@rdinstitute.com.au

References

This material safety data sheet was prepared from information supplied by the ingredient manufacturers and various reference sources, including those in the public domain.

DISCLAIMER

All information supplied in this material safety data sheet and by Research & Development Institute Pty Ltd employees is based on the current level of knowledge currently available to Research & Development Institute Pty Ltd and relates to the product in the state in which it is delivered. It is intended to describe the product from the point of view of safety requirements and is not intended to guarantee any particular properties. Research & Development Institute Pty Ltd accepts no responsibility whatsoever for the accuracy of the information. Each user should apply this information as appropriate to the use to which they intend to put the product. Neither Research & Development Institute Pty Ltd nor its employees will be liable for any loss or damage suffered through the application of the information contained within this data sheet notwithstanding any want of care in compiling the information. Research & Development Institute and its employees will not be held responsible for any modifications made to its MSDS by any other person, organization or entity.

This document is copyright and is the property of Research & Development Institute Pty Ltd. Reproduction of this document for any purpose, other than those approved under the Copyright Act, is prohibited without the written permission of Research & Development Institute Pty Ltd.