

**AMMODET****1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

Product Name: **AMMODET**  
Other Names: None  
Manufacturer's Product Code: AMM5, AMM20  
Product Use: Detergent for windows and hard surfaces.

**COMPANY DETAILS**

Company: Agar Cleaning Systems Pty. Ltd.  
Address: 12-14 Cope Street, Preston, Vic. 3072  
Telephone: 03 9480 3000 Facsimile: 03 9480 5100  
Web: www.agar.com.au  
Agar MSDS are available from this website.  
E-mail: admin@agar.com.au

**Emergency Telephone Number: 131 126** (Aust wide)

**2 HAZARDS IDENTIFICATION**

Hazardous according to criteria of Worksafe Australia.  
Irritant Xi

**R36/37/38** Irritating to eyes, respiratory system and skin.

**S2** Keep out of the reach of children.

**S26** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**S37** Wear suitable gloves.

Ammodet becomes non-hazardous at concentrations below 78%

**3 COMPOSITION / INFORMATION ON INGREDIENTS****Ingredients:**

Chemical Entity:	CAS No.:	Proportion:
surfactants	non-haz	10 - < 30%
ammonia	1336-21-6	< 10%
water	7732-18-5	> 60%

**4 FIRST AID MEASURES****Poisons Information Centre: Phone 131 126**

Swallowed: If poisoning occurs, contact a doctor or Poisons Information Centre. If swallowed, do NOT induce vomiting. Give a glass of water. Rinse mouth with water. Never give anything by mouth to an unconscious person.

Eye: Immediately hold the eyes open and wash continuously for at least 15 minutes with fresh running water. Ensure irrigation under eyelids by occasionally lifting the upper and lower lids. Transport to hospital or doctor without delay. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Skin: Remove any contaminated clothing and flush area with water. Seek medical attention in the event of irritation.

Inhaled: Remove affected person to fresh air. Lay patient down. Keep warm and rested. If breathing is shallow or has stopped,

ensure clear airway and apply resuscitation. Transport to doctor or hospital.

**5 FIRE FIGHTING MEASURES**

Fire/Explosion Hazard: Ammodet is not combustible.  
Fire Extinguishing media: Water spray or fog. Foam. Dry chemical powder. Carbon dioxide.  
Special fire-fighting procedures: None.  
Unusual fire hazards: None  
Hazardous products of combustion: Thermal decomposition at temperatures above 200°C or in a large fires may yield toxic fumes. Use adequate ventilation.

**6 ACCIDENTAL RELEASE MEASURES**

Clean up all spills immediately. Spills may be slippery. Avoid contact with skin and eyes. Contain spill and mop up. Place in a suitable, labelled container for waste disposal.

If spilled on clothing, remove and launder before re-use.

**7 HANDLING AND STORAGE**

Storage and Transport: Store in a cool, dry place away from foodstuff containers. Keep container tightly closed.

Stability: Stable.

Incompatibility (Materials to avoid for purposes of transport, handling and storage only): Avoid storage with strong acids.

**8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

Exposure Standards: None assigned for this mixture. Data for principal ingredients only :

Atmospheric Contaminant Exposure Standard for:  
Ammonia: CAS No. 1336-21-6 TWA = 25ppm (17mg/cu.m)  
STEL = 35ppm (24mg/cu.m)  
[Source: Worksafe Australia NOHSC: 1003 (1995)]

Engineering Controls: Ventilation: Use with adequate ventilation. Avoid breathing vapour of product.

Mechanical ventilation: Not required under normal conditions, but local exhaust ventilation should be used to control any air contaminants to within the Exposure Standards.

Personal Protection: Avoid contact with skin and eyes.

Gloves - Wear rubber gloves if prolonged skin contact is anticipated.

Eye protection - Safety glasses to be worn if there is a risk or splashing.

Respiratory - Wear an appropriate safety mask if exposed to concentrated vapour from product.

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# AMMODET

## 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Transparent orange liquid  
Odour: Strong ammonia odour  
pH = 11.6 – 12.2  
Vapour Pressure: N/K  
Vapour Density: N/K  
Boiling Point: 100°C  
Freezing Point:  
Solubility in water: Infinitely miscible  
Specific Gravity: 1.12  
Evaporation rate: As water  
% Volatile by vol: 70 – 90%

## 10 STABILITY AND REACTIVITY

Stable.

Hazardous polymerization: Will not occur.

## 11 TOXICOLOGICAL INFORMATION

Health Effects: *Acute* -

Swallowed: Product is irritating to gastro-intestinal tract if swallowed but this is considered unlikely to occur in commercial environments.

Eye: Eye contact may result in severe irritation.

Skin: Principal route of exposure is usually by skin contact. Irritating to the skin and capable of causing skin reactions.

Inhalation: Irritating to the respiratory system. Inhalation of vapours in confined spaces may cause irritation to mucous membranes.

Health Effects – *Chronic*: Repeated or prolonged skin contact may cause swelling, redness, blistering or dermatitis.

Toxicity data: Not available for mixture.

Data for main ingredients:

Ammonia – oral LD50 (rat) = 350mg/kg

(Note: this data is from published information. Agar Cleaning Systems does not carry out animal tests).

## 12 ECOLOGICAL INFORMATION

Ecotoxicity: No data available.

Persistence and degradability: -

Mobility: -

Advice: -

## 13 DISPOSAL CONSIDERATIONS

For disposal, refer to State Land Waste Management Authority.

## 14 TRANSPORT INFORMATION

UN No.: - not reg | Class: - | Packg.Group: - | Hazchem: -

## 15 REGULATORY INFORMATION

Poisons Schedule Number: Schedule 5.

## 16 OTHER INFORMATION

**AICS Listing:** All components of Ammodet are listed on the Australian Inventory of Chemical Substances (AICS).

Date: This MSDS issued: April 24, 2006

Abbreviations: N/K = Not Known

TWA = Time Weighted average

STEL = Short term exposure limit

CAS = Chemical Abstracts Service

The information in this Data Sheet is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Agar Cleaning Systems accepts no tortious or contractual liability for any loss or damages suffered as a consequence of reliance on the information and advice contained herein.

End of MSDS.