

Camlab Limited – Material Safety Data Sheet


1. Identification

Product Code CC/0055-DA

Product Name **AMMONIUM CHLORIDE pure**

Molecular Formula **NH₄Cl =53.49**

CAS Number 12125-02-9

Supplier: **CAMLAB LIMITED**
**Norman Way Industrial Estate
Over
Cambridge
England
CB4 5WE**

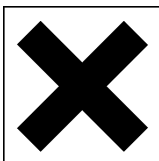
Phone 01954 233110
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24hr 112
(Have this document to hand)

2. Composition

Component	CAS No	EEC No	Conc w/w	Classification & Risk Phrases	Exp (See 8.1)
Ammonium chloride	12125-02-9	235-180-4	> 99.0%	Xn : R22,R36	N/A

3. Hazards Identification



Harmful if swallowed. Irritating to eyes.

4. First Aid Measures

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. If discomfort persists OBTAIN MEDICAL ATTENTION.

Skin Wash off skin thoroughly with water.

Inhalation Remove from exposure.

Ingestion Wash out the patients mouth thoroughly with water. In severe cases or if exposure has been great, OBTAIN MEDICAL ATTENTION.

5. Fire Fighting Measures

Hazards Avoid breathing dust-wear respiratory protective equipment.

Extinguishing Media Consider what other flammable materials are present and act accordingly.

Unsuitable Media Nothing specified.

6. Accidental Release Measures

Personal Protection Avoid breathing dust-wear respiratory protective equipment. Do not allow other people to enter area. Do not allow general use of area until it is safe to do so.

Environmental Presents no major environmental hazard.

Major Spillage Shovel/sweep up into container for removal Wash area down with copious amounts of water.

6. Accidental Release Measures (continued)

Minor Spillage Wash area down with copious amounts of water.

7. Storage & Handling

Handling Precautions Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing.

Ensure Local Exhaust Ventilation maintains dust concentrations below the recommended limits.

Storage Conditions Well ventilated, cool, dry storage . Product is hygroscopic: store in sealed containers away from heat, light and humidity.

8.1 Workplace Exposure Limits

No prescribed exposure limits available

8.2 Personal Protection

Respiratory If process creates significant amounts of dust use L.E.V. or wear suitable dust mask.

Hands Wear gloves.

Eyes Use chemical splash proof glasses or goggles.

Skin Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

9. Physical & Chemical Properties

Appearance White hygroscopic powder.

Odour Slight ammoniacal odour.

pH 5 @ 20 °C

Boiling point 340.0 °C

Melting point Not available

Flash point Not available

Upper Flammable Limit Not available

Lower Flammable Limit Not available

Auto Ignition Not available

Explosive properties No.

Oxidising Properties No.

Vapour Pressure Not available

Relative Density 1.5274 °C

Water Solubility 23%

10. Stability & Reactivity

Chemical Stability Stable under normal conditions

Conditions to Avoid Avoid contact with moisture as product is very hygroscopic.

Materials to Avoid No specific conditions.

Hazardous Decomposes to emit ammonia and toxic and extremely irritant fumes of hydrogen chloride.

Decomposition Products

11. Toxicological Information

Eyes Contact with the solid or dust may be irritating to the eyes.

Skin Contact with the solid or solution may be irritating to the skin. Repeated exposure may cause dermatitis.

LD50 Skin Not available

Ingest Ingestion of large amounts may cause violent abdominal pain and vomiting.

LD50 Ingest Oral rat 1650mg/Kg

11. Toxicological Information (continued)

Inhalation	Presents no significant health hazard by inhalation.
Carcinogenicity	Not considered to be a carcinogen.
Mutagenicity	Not considered to be a mutagen.
Reproductive Effects	None identified.

12. Ecological

Slightly toxic to aquatic species but is unlikely to bioaccumulate. Readily bio-degraded in the environment.

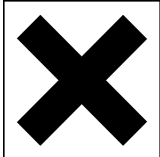
13. Disposal Considerations

Disposal Methods	Flush to drain.
Contaminated Packaging	Wash out containers with water. Use a licensed waste disposer.

14. Transport Information

Proper Shipping Name	Non-restricted
UN Number	Non-restricted
UN Classification	None
Subsidiary Risk	None
Flash Point	Not available
Packing Group	None
Transport Category	None
Marine pollutant	No
ADR Hazard ID	Non-restricted

15. Regulatory Information

Labelling	Harmful.
Classification	
Label Symbols	Xn 
Risk & safety Phrases	Harmful if swallowed. Irritating to eyes. Keep out of reach of children. Do not breath dust.
EEC Number	235-180-4

16. Other Information

Document Information	This document has been prepared in accordance with directive 88/379/EEC. The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. Revision Date: 18/09/00. Data reviewed and PDF file generated: 19/07/07. Copyright 2007 Camlab Limited.
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