

Section 1. Identification**1.1 Product Identifier**

CHE1156

Product Name

AMMONIUM CHLORIDE pure 2Kg.

CAS Number

12125-02-9

REACH Registration No

01-2119487950-27-XXXX

Molecular Formula

 NH_4Cl = 53.49**1.2 Relevant identified uses of the substance or mixture & uses advised against**

Uses of Material

Chemical for industrial and laboratory use. Not suitable for domestic use.

1.3 Supplier

Scientific Laboratory Supplies



Unit 6, Foresters Avenue
Fairham Business Park
Fairham
Nottingham
NG11 2AF
UNITED KINGDOM

Phone

0115 9821111

Fax

0115 9825275

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sales@scientific-labs.com

1.4 Emergency Telephone

(08:00-17:00) 0115 9821111
(24hr) 112
(Have this document to hand)

Section 2. Hazards Identification**2.1 Classification of the substance or mixture****Classification according to regulation 1272/2008/EC**

Acute toxicity, category 4 (oral)

H302: Harmful if swallowed.

Serious eye damage/irritation, category 2

H319: Causes serious eye irritation.

2.2 Label elements**Labelling according to regulation 1272/2008/EC**

Signal word

Warning

Hazard Pictograms



Hazard Statements

Harmful if swallowed. Causes serious eye irritation.

Precautionary Statements Wash thoroughly after handling. Do not eat, drink or smoke when using this product. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Wear protective gloves / protective clothing / eye protection / face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing.

Section 3. Composition

3.1 Substances

| Component | CAS No. | EEC No. | REACH No. | Conc w/w | CLP Classification (1272/2008/CE) |
|-------------------|------------|-----------|-----------------------|----------|-----------------------------------|
| Ammonium chloride | 12125-02-9 | 235-180-4 | 01-2119487950-27-XXXX | >99% | Acute Tox. 4 (O), Eye Irrit. 2 |

Section 4. First Aid

4.1 Description of 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. |
| Personal protection for first aiders | Wear protective gloves / eye protection. |

4.2 Most important symptoms and effects, both acute & delayed.

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed.

No further relevant information available.

Section 5. Fire Fighting

5.1 Extinguishing media

| | |
|---------------------|--|
| Extinguishing Media | Consider what other flammable materials are present and act accordingly. |
| Unsuitable Media | Nothing specified. |

5.2 Special hazards arising from the substance or mixture

| | |
|---------|-----------------------------------|
| Hazards | Presents no specific fire danger. |
|---------|-----------------------------------|

5.3 Advice for firefighters

| | |
|-------------------------|---|
| Advice for firefighters | Avoid breathing dust-wear respiratory protective equipment. |
|-------------------------|---|

Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

| | |
|---------------------|--|
| 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. |
|---------------------|--|

6.2 Environmental precautions

| | |
|--------------|---|
| Enviromental | Presents no major environmental hazard. |
|--------------|---|

6.3 Methods and material for containment and cleaning up

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

6.4 Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

Section 7. Storage & Handling

7.1 Precautions for safe handling

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.

7.2 Conditions for safe storage, including any incompatibilities

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

7.3 Specific end use(s)

See section 1.2.

Section 8. Workplace Exposure & Personal Protection

8.1 Control parameters

| Component | CAS No | Concentration | Workplace Exposure Limits | |
|-------------------|------------|---------------|---------------------------|-------------------------|
| | | | Long Term (8hr TWA) | Short Term 15min period |
| Ammonium chloride | 12125-02-9 | >99% | - | - |

Exposure data source(s) No occupational exposure data currently available.

8.2 Exposure controls

| | |
|------------------------|--|
| Respiratory Protection | If process creates significant amounts of dust use L.E.V. or wear suitable dust mask. |
| Hand Protection | Wear gloves. |
| Eye Protection | Use tightly fitting chemical splash proof glasses or goggles. |
| Skin Protection | Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn. |
| Special Hazards | No special precautions required. |

Section 9. Physical & Chemical Properties

9.1 Information on basic physical and chemical properties

| | |
|-----------------------|---------------------------|
| Appearance | White hygroscopic powder. |
| Odour | Slight ammoniacal odour. |
| pH | 5 @ 20°C |
| Boiling Point | 338 °C |
| Melting Point | Not applicable |
| Flash Point | Not applicable |
| Upper Flammable Limit | Not applicable |
| Lower Flammable Limit | Not applicable |
| Auto Ignition | Not applicable |
| Explosive Properties | No. |
| Oxidising Properties | No. |
| Vapour Pressure | Not applicable |
| Relative Density | 1.5274 |
| Water Solubility | 373 g/L |

9.2 Other information

No data available.

Section 10. Stability & Reactivity

10.1 Reactivity No data available.

10.2 Chemical Stability Stable under normal conditions

| | | |
|-------------|------------------------------------|---|
| 10.3 | Possibility of hazardous reactions | No data available. |
| 10.4 | Conditions to Avoid | Avoid contact with moisture as product is very hygroscopic. |
| 10.5 | Incompatible Materials | No specific conditions. |
| 10.6 | Hazardous Decomposition Products | Decomposes to emit ammonia and toxic and extremely irritant fumes of hydrogen chloride. |

Section 11. Toxicological Information

11.1 Information on toxicological effects

| | |
|----------------------|---|
| Eyes | Causes serious eye irritation. |
| Skin | Contact with the solid or solution may be irritating to the skin. Repeated exposure may cause dermatitis. |
| LD50 Skin | >2000 mg/Kg Rat |
| Ingestion | Ingestion of large amounts may cause violent abdominal pain and vomiting. |
| LD50 Oral | 1410 mg/Kg Rat |
| Inhalation | Presents no significant health hazard by inhalation. |
| LD50 Inhalation | Not available |
| TCLo | Not available |
| Carcinogenicity | Not considered to be a carcinogen. |
| Mutagenicity | Not considered to be a mutagen. |
| Reproductive Effects | None identified. |

Section 12. Ecological

| | | |
|-------------|----------------------------------|--|
| 12.1 | Toxicity | Slightly toxic to aquatic species but is unlikely to bioaccumulate. Readily bio-degraded in the environment. |
| | LC50 Algal | 1300 mg/L Algae |
| | LC50 Crustacea | 136.6 mg/L Daphnia |
| | LC50 Fish | 42.91 mg/L Fish |
| 12.2 | Persistence and degradability | No data available. |
| 12.3 | Bioaccumulative potential | No data available. |
| 12.4 | Mobility in soil | No data available. |
| 12.5 | Results of PBT & vPvB assessment | Assessment not required. |
| 12.6 | Other adverse effects | None known at present. |

Section 13. Disposal Considerations

13.1 Waste treatment methods

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

Section 14. Transport Information

| | |
|--|----------------------------------|
| 14.1 UN Number | Non-restricted |
| 14.2 Proper Shipping Name | Non-restricted |
| 14.3 Transport classes | |
| UN classification | None |
| Subsidiary hazard(s) | None |
| Transport category | None |
| ADR Hazard ID | Non-restricted |
| Tunnel Restriction Code | Non-restricted |
| 14.4 Packing Group | None |
| 14.5 Environment hazards | See section 12. |
| 14.6 Special precautions for user | No special precautions required. |
| 14.7 Transport in bulk | Not transported in bulk. |

Section 15. Regulatory Information

15.1 Safety, health and environment regulations specific for substance/mixture.

Classification, Labeling & Packaging of Substances & Mixtures Regulations (1272/2008/CE)

Classification Acute toxicity, category 4 (oral); Serious eye damage/irritation, category 2

Signal word Warning

Hazard Pictograms



Hazard Statements H302, H319
Harmful if swallowed. Causes serious eye irritation.

Precautionary Statements P264, P270, P301+P310, P330, P280, P305+P351+P338
Wash thoroughly after handling. Do not eat, drink or smoke when using this product. **IF SWALLOWED:** Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Wear protective gloves / protective clothing / eye protection / face protection. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing.

15.2 Chemical safety assessment

Assessment not required.

Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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