

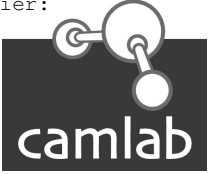
**1. Identification**

Product Code **1111067**

Product Name **AMMONIUM THIOCYANATE pure**

Molecular Formula **NH<sub>4</sub>SCN =76.12**

CAS Number **1762-95-4**

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

Phone **01954 233110**

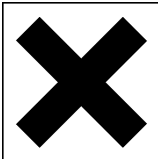
Fax **01954 233101**

Emergency Telephone **08:00-17:00 01954 233110**  
**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 THIOCYANATE pure	1762-95-4	217-175-6	100.0%	Xn : R20/21/22,R32	N/A

**3. Hazards Identification**



Harmful by inhalation, in contact with skin and if swallowed. Contact with acids liberates very toxic gas.

**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 If material has reacted with an acid to form, hydrogen cyanide, seek immediate medical assistance.

Ingestion Wash out the patients mouth thoroughly with water. OBTAIN MEDICAL ATTENTION URGENTLY.

**5. Fire Fighting Measures**

Hazards Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear protective clothing and breathing apparatus. May evolve toxic fumes if involved in a fire.

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. If contact with acid is possible, use full protective clothing and breathing apparatus.

Environmental Presents no major environmental hazard.

## 6. Accidental Release Measures (continued)

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.

## 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 to a minimum.
Storage Conditions	Well ventilated, cool, dry storage .

## 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 crystalline powder.
Odour	No specific odour.
pH	Not available
Boiling point	170.0 °C
Melting point	149.0 °C
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	1.3050 °C
Water Solubility	Very soluble in water.

## 10. Stability & Reactivity

Chemical Stability	Stable under normal conditions
Conditions to Avoid	No specific conditions.
Materials to Avoid	Acids.
Hazardous Decomposition Products	May produce hazardous fumes if involved in a fire.

## 11. Toxicological Information

Eyes	Contact with the solid or dust may be irritating to the eyes.
Skin	Contact with the solid or dust may be irritating to the skin.
LD50 Skin	Not available
Ingest	Harmful if swallowed.
LD50 Ingest	Not available
Inhalation	Presents no significant health hazard by inhalation.

## 11. Toxicological Information (continued)

Carcinogenicity	Not considered to be a carcinogen.
Mutagenicity	Not considered to be a mutagen.
Reproductive Effects	None identified.

## 12. Ecological

No specific environmental hazard.

## 13. Disposal Considerations

Disposal Methods	Do not dispose of as domestic waste.
Contaminated Packaging	Wash out containers with water.

## 14. Transport Information

Proper Shipping Name	Toxic Solid, Organic, N.O.S. (Ammonium Thiocyanate)
UN Number	2811
UN Classification	6.1 Toxic
Subsidiary Risk	None
Flash Point	Not available
Packing Group	III
Transport Category	2
Marine pollutant	No
ADR Hazard ID	60

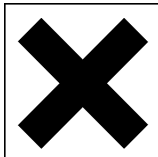


## 15. Regulatory Information

Labelling  
Classification Harmful.

Label Symbols

Xn



Risk & safety Phrases Harmful by inhalation, in contact with skin and if swallowed. Contact with acids liberates very toxic gas. Keep out of reach of children. Keep away from food, drink and animal feeding stuffs.

EEC Number 217-175-6

## 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: 10/03/06.

Data reviewed and PDF file generated: 17/03/10.

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