

1. Identification

Product Code **CA6004-56**

Product Name **AMMONIUM ETHANEDIOATE L.R.
(AMMONIUM OXALATE)**

Molecular Formula $(\text{COONH}_4)_2 \cdot \text{H}_2\text{O} = 142.11$

CAS Number 6009-70-7

Supplier: **BEECROFT & PARTNERS**

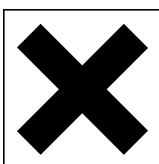
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 (Have this document to hand)

2. Composition

Component	CAS No	EEC No	Conc w/w	Classification & Risk Phrases	Exp (See 8.1)
Ammonium oxalate	6009-70-7		> 99.0%	Xn : R21/22	N/A

3. Hazards Identification

Harmful in contact with skin and if swallowed.

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. Remove contaminated clothing immediately and wash before re-use. In severe cases or if exposure has been great, OBTAIN MEDICAL ATTENTION.

Inhalation Remove from exposure. Keep warm and at rest. In severe cases or if exposure has been great, OBTAIN MEDICAL ATTENTION.

Ingestion Wash out the patients mouth thoroughly with water. Do not induce vomiting. 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.

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.
Enviromental	Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs.
Major Spillage	Shovel/sweep up into container for removal Wash area down with detergent and 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 . Protect from direct sun and store away from sources of ignition. Keep well separated from oxidising agents.

8.1 Occupational Exposure Limits

No prescribed exposure limits available

8.2 Personal Protection

Respiratory	Use L.E.V. or natural ventilation to maintain dust concentrations below exposure limits. If not, use a well maintained chemical cartridge organic vapour respirator, or use self contained breathing apparatus.
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 solid.
Odour	Odourless.
pH	6 (0.1 m solution)
Boiling point	Not available
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 Presure	Not available
Relative Density	1.5000
Water Solubility	5%

10. Stability & Reactivity

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

11. Toxicological Information

Eyes	Contact with the solid or dust will be irritating to the eyes.
Skin	Contact with the solid or dust will be mildly irritating to the skin..
LD50 Skin	Not available
Ingest	Harmful if swallowed. Ingestion of large amounts may cause severe gastro-intestinal irritation, hematemesis, CNS and cardiac depression and ultimately death. Small amounts may cause weakness, muscular twitchings rarely convulsions, coma and death.
LD50 Ingest	Not available
Inhalation	Inhalation of dust may produce irritation of the eyes, nose, throat and respiratory tract.
Carcinogenicity	Has been found to be carcinogenic to rats and mice.
Mutagenicity	Not considered to be a mutagen.
Reproductive Effects	None identified.

12. Ecological

No specific environmental hazard.

13. Disposal Considerations

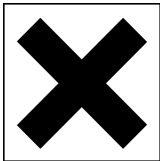
Disposal Methods	Dispose of in a licensed incinerator. Do not dispose of as domestic waste.
Contaminated Packaging	Use a licensed waste disposer.

14. Transport Information

Proper Shipping Name	Toxic solid, organic, n.o.s.
UN Number	2811
UN Classification	6.1 Toxic
Subsidiary Risk	None
Flash Point	Not available
Packing Group	III
Marine pollutant	No
ADR Hazard ID	60



15. Regulatory Information

Labelling	Harmful.
Classification	
Label Symbols	Xn 
Risk & safety Phrases	Harmful in contact with skin and if swallowed. Keep out of reach of children. Avoid contact with skin and eyes.
EEC Number	Not available

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.
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16. Other Information (continued)

Revision Date: 20/11/03.

Data reviewed and PDF file generated: 07/06/04.

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