1. IDENTIFICATION OF SUBSTANCE AND SUPPLIER

Name On Label: Lithium acetate dihydrate
Product Number: A17921
Supplier:
Johnson Matthey Catalog Company Inc.
30 Bond Street, Ward Hill, Massachusetts, 01835-8099
Emergency Telephone Number: (978) 521-6300; CHEMTREC: (800) 424-9300
Alternative Names: None in common use.

2. COMPOSITION AND INFORMATION ON COMPONENTS

Name: Lithium acetate dihydrate
Minor Impurities: Not determined
CAS Number: 6108-17-4
EINECS Number: 2089143
EEC Number:

3. HAZARDS IDENTIFICATION

Designation:
No specific hazard
Risk Phrases

4. FIRST AID MEASURES

Inhalation
Remove to fresh air. Seek medical advice if symptoms persist.

Eye Contact
Flush with copious amounts of water for at least 15 minutes.

Skin Contact
Wash affected area with soap and water. Rinse thoroughly.

Ingestion
Rinse out mouth and drink lots of water. If unusual symptoms are observed, seek medical advice.

5. FIRE FIGHTING MEASURES

Extinguishing Medium
Use fire fighting measures which suit the environment and take into account other materials which may
be involved. In general, water-based extinguishers should not be used for fires involving organic materials. Use carbon dioxide or dry powder.

**Protective Equipment**
Wear self-contained breathing apparatus and protective clothing.

**Hazardous Products of Combustion May Include:**
carbon monoxide, carbon dioxide.

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**6. ACCIDENTAL RELEASE MEASURES**

**Personal Protection**
Wear protective equipment including rubber gloves, and eye protection. Keep unprotected persons away.

**Environmental Protection**
Take precautions to ensure product does not enter the drainage system.

**Collection**
Mix with vermiculite or proprietary absorbent material and transfer to sealed containers for disposal.

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**7. HANDLING AND STORAGE**

**Handling**
Chemicals should be used only by those trained in handling potentially hazardous materials. Rubber gloves, eye protection and protective clothing should be worn. Operations should be carried out in an efficient fume hood or equivalent system.

**Storage**
Store in tightly sealed containers in a cool place.
Protect from moisture.

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**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**Respiratory**
Avoid inhalation of product. Handle in an efficient fume hood or equivalent system.

**Eye**
Avoid eye contact. Wear safety spectacles or goggles.

**Hands and Body**
Avoid skin contact. Wear rubber gloves and protective clothing.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance :** Moist white crystals
Physical Constants: m.p. 53-56°
Molecular Formula: C2H3LiO2.2H2O
Formula Weight: 102.02
Water Solubility:
Density: 1.3
Flash Point: Not available

10. STABILITY AND REACTIVITY

Specific Hazard
Incompatibilities
Strong oxidising agents.

Decomposition
Hazardous products of decomposition may include:
carbon monoxide, carbon dioxide.

11. TOXICOLOGICAL INFORMATION

RTECS Number: Not listed
Acute Toxicity
LD50: No data reported

12. ECOLOGICAL EFFECTS

General
Take care to prevent chemicals from entering the ground, water courses or drainage systems.

13. DISPOSAL CONSIDERATIONS

Disposal
Disposal should be via an approved contractor and should take full account of local regulations.

14. TRANSPORT INFORMATION

UN Number:
Land Transport
ADR/RIC Code/Class: Not Restricted
Maritime Transport IMDG Code/Class: Not Restricted
Air Transport IATA Code/Class: Not Restricted

15. REGULATORY INFORMATION
**CAS Number:** 6108-17-4  
**EINECS Number:** 2089143  
**EEC Number:**  
**UN Number:** None  
**RTECS Number:** Not listed  
**Hazard Indication:**  
No specific hazard

**Risk and Safety Phrases**  
None specified - Exercise all due care in use

**TSCA:** Listed substance.

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**16. OTHER INFORMATION**

It must be recognised that the physical and chemical properties of any product may not be fully understood and that new, possibly hazardous products may arise from reactions between chemicals. The information given in this data sheet is based on our present knowledge and shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Date of Last Review:** 3rd August 1998  
**Date Printed:** 18th September 1998