Vickers Laboratories Ltd - Safety Data Sheet

1203

(in accordance with regulation (EU) 2015/830 and regulation (EC) 1272/2008)

Revision: 1.1 Revision date: 16 April 2021
Date printed: 12 August 2023

Section 1. Identification

1.1 Product Identifier 1203

Product Name LITHIUM CARBONATE pure

CAS Number 554-13-2

REACH Registration No 01-2119516034-53-XXXX

Molecular Formula Li₂CO₃ =73.89

1.2 Relevent identified uses of the substance or mixure & uses advised against

Uses of Material Chemical for industrial and laboratory use. Not suitable for domestic use.

1.3 Supplier Vickers Laboratories Ltd



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(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) Serious eye damage/irritation, category 2 H302: Harmful if swallowed. 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.

Wash thoroughly after handling. Do not eat, drink or smoke when using this product. IF SWALLOWED: **Precautionary Statements**

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	omponent CAS No. EEC No.		REACH No. Conc		CLP Classification (1272/2008/CE)	
Lithium carbonate	554-13-2	209-062-5	01-2119516034-53-XXXX	99%	Acute Tox. 4 (O), Eye Irrit. 2	

Section 4. First Aid

4.1 Description of first aid measures

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

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 Wear protective gloves / eye protection.

aiders

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)	
Lithium carbonate	554-13-2	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.

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 powder. Odour Odourless. 10-11 @ 20°C pН Not available **Boiling Point** 720°C Melting Point Flash Point Not applicable Upper Flammable Limit Not applicable Not applicable Lower Flammable Limit Auto Ignition Not applicable **Explosive Properties** No. Oxidising Properties No.

Vapour Pressure Not applicable Relative Density Not available

Water Solubility Moderately soluble in water.

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 acids.

10.5 Incompatable Materials

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

Products

Section 11. Toxicological Information

11.1 Information on toxicological effects

Contact with the solid or dust will be irritating to the eyes.

Skin Contact with the solid or solution may be irritating to the skin. Chronic exposure may lead to dermatitis.

LD50 Skin Not available

Ingestion

Above the therapeautic dose [2.8-8.3mg/litre blood] gastrointestinal upset may occur. Ingestion of large amounts will produce tremors, drowsiness and unsteady gait. These symptoms rapidly dissappear. It is very unlikely that typical industrial exposure will result in blood levels sufficiently high to produce toxicity in either adults or their

offspring.

LD50 Oral 526mg/kg Rat

Inhalation Inhalation of dust will produce irritation of the eyes, nose, throat and respiratory tract. Inhalation of the dust can

result in symptoms similar to those due to ingestion.

LD50 Inhalation Not available TCLo

Carcinogenicity Not considered to be a carcinogen. Mutagenicity Not considered to be a mutagen.

Reproductive Effects Some studies of pregnant mice and rats were associated with birth defects but only at doses large enough to

produce severe signs of maternal toxicity. Studies of humans are inconclusive.

Other Information Lithium componds [particularly carbonate] are used therapeautically at relatively high doses. They are used to

treat mental disorders at blood levels of 2.8-8.3 mg Lithium per litre.

Section 12. Ecological

12.1 Toxicity Small amounts present no specific environmental hazard.

LC50 Algal Not available LC50 Crustacea Not available LC50 Fish Not available

No data available. 12.2 Persistence and

degradability

12.3 Bioaccumulative potential No data available. **12.4** Mobility in soil No data available.

12.5 Results of PBT & vPvB Assessment not required.

assessment

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-restricted14.2 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 No special precautions required.

user

14.7 Transport in bulk Not transported in bulk.

Section 15. Regulatory Information

$15.1\ Safety, health\ and\ environment\ regulations\ specific\ for\ subtance/mixture.$

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.

Revision number: 1.1 (Supercedes revision 1.0)

Revision date: 16 April 2021

Reviewed by chemist: 16 April 2021

Printed date: 12 August 2023

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