



SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Identifier

Product Form: Mixture

Product Name: LithiCoatz™

Specific End Use: Concrete hardener.

Name, Address, and Telephone of the Responsible Party Company

Concord Sealers Pty Ltd

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Logan Village, Qld 4207

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SECTION 2 – HAZARDS CLASSIFICATION/ IDENTIFICATION

Classification of the substance or mixture

GHS Classification

Eye Dam.1 H318

STOT SE 3 H335

Full text of hazards classes and H-statements: see section 16

Label Elements

GHS Labeling Hazard Pictograms:



Signal Word (

Not Scheduled

Hazard Category

None

Pictograms

Nil

Signal Word (GHS):

None

Hazard Statements(GHS):

None

Precautionary Statements (GHS):

GeneralP101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

P103 - Read label before use

PreventionP 261- Avoid breathing spray.

P 271- Use only outdoors or in a well-ventilated area.

ResponseP280 - Wear protective gloves/ eye protection/ face protection.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P362 - Take off contaminated clothing and wash before reuse.

StorageP410+412: Protect from sunlight. Do not expose to temperatures

exceeding 50°C/122 °F.

DisposalP501- Dispose of contents/ container to an approved waste

disposal plant.

SECTION 3 – COMPOSITION/ INFORMATION ON INGREDIENTS

Substance Not applicable

Mixture

Name	Product Identifier	% *	GHS Ingredient Classification
Silicic Acid, lithium salt	(CAS-No.) 12627-14-4	45 -70	Eye Dam. 1, H318 STOT SE 3, H335

Full text of H-phrases: see section 16

*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

** The actual concentration of ingredient(s) is withheld as a trade secret in accordance with the Hazardous Products Regulations (HPR) SOR/2015-17 and 29 CFR 1910.1200.

CONCORD SEALERS AQUACOATZ

Safety Data Sheet

SECTION 4 – FIRST AID MEASURES

Description of First-aid Measures

- General** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- Inhalation** When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.
- Skin Contact** Immediately drench affected area with water for at least 15 minutes. Remove contaminated clothing. Obtain medical attention if irritation develops or persists.
- Eye Contact** Immediately rinse with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
- Ingestion** Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

Most Important Symptoms and Effects Both Acute and Delayed

- General** May cause respiratory irritation. Causes serious eye damage.
- Inhalation** Irritation of the respiratory tract and the other mucous membranes.
- Skin Contact** Prolonged exposure may cause skin irritation.
- Eye Contact** Causes permanent damage to the cornea, iris, or conjunctiva.
- Ingestion** Ingestion may cause adverse effects.
- Chronic Symptoms** None expected under normal conditions of use.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5 – FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Water spray, fog, carbon dioxide (CO₂), alcohol-resistant foam, or dry chemical.

Unsuitable Extinguishing Media

Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special Hazards Arising From the Substance or Mixture

Fire Hazard

Not considered flammable but may burn at high temperatures.

Explosion Hazard

Product is not explosive.

Reactivity

Contact with metals may evolve flammable hydrogen gas.

Advice for Firefighters

Precautionary Measures Fire

Exercise caution when fighting any chemical fire.

Firefighting Instructions

Use water spray or fog for cooling exposed containers.

Protection During Firefighting

Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products

Carbon oxides (CO, CO₂). Sulfur oxides. Lithium oxides.

Reference to Other Sections

Refer to Section 9 for flammability properties.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures

Do not breathe vapor, mist or spray. Do not get in eyes, on skin, or on clothing.

For Non-Emergency Personnel

Protective Equipment

Use appropriate personal protective equipment (PPE).

Emergency Procedures

Evacuate unnecessary personnel.

CONCORD SEALERS AQUACOATZ

Safety Data Sheet

For Emergency Personnel

Protective Equipment

Equip cleanup crew with proper protection.

Emergency Procedures

Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Materials for Containment and Cleaning Up

For Containment

Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up

Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling

Precautions for Safe Handling

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid breathing vapours, mist, spray. Avoid contact with eyes, skin and clothing. Do not get in eyes, on skin, or on clothing.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety procedures.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures

Comply with applicable regulations.

Storage Conditions

Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store locked up/in a secure area.

Incompatible Materials

Metals. Strong acids, strong bases, strong oxidizers, water-reactive materials.

Specific End Use(s)

Concrete Hardener

SECTION 8 – EXPOSURE CONTROLS/ PERSONAL PROTECTION

Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial governments.

Exposure Controls

Appropriate Engineering Controls

Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal Protective Equipment

Gloves. Protective clothing. Protective goggles.



Materials for Protective Clothing

Chemically resistant materials and fabrics.

Hand Protection

Wear protective gloves.

Eye and Face Protection

Chemical safety goggles.

Skin and Body Protection

Wear suitable protective clothing.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information

When using, do not eat, drink or smoke.

CONCORD SEALERS AQUACOATZ

Safety Data Sheet

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

- Appearance Clear
- Physical state Liquid
- Odor Odorless
- Odor Threshold Not Available
- pH 11.3
- Evaporation rate..... Not Available
- Form Liquid
- Color..... Pink
- Melting point/freezing point Not Available
- Initial boiling point and boiling range 100 °C
- Flash point Non applicable
- Flammability limit Not Applicable
- Vapor pressure Unknown
- Vapor density..... similar to water
- Solubility (water)..... Water: soluble
- Volatiles Not stated
- Specific Gravity..... 1.39

SECTION 10 – STABILITY AND REACTIVITY

Reactivity	Contact with metals may evolve flammable hydrogen gas.
Chemical Stability	Stable under recommended handling and storage conditions (see section 7).
Possibility of Hazardous Reactions	Hazardous polymerization will not occur.
Conditions to Avoid	Direct sunlight, extremely high or low temperatures, and incompatible materials.
Incompatible Materials	Metals. Strong acids, strong bases, strong oxidizers, water-reactive materials.
Hazardous Decomposition Products	Not expected to decompose under ambient conditions.

SECTION 11 – TOXICOLOGICAL INFORMATION

Information on Toxicological Effects – Product

Acute toxicity (Oral)	Not Classified
Acute toxicity (Dermal)	Not Classified
Acute toxicity (Inhalation)	Not Classified
LD50 and LC50 Data	Not available
Skin Corrosion/ Irritation	Not Classified
pH	11.3
Eye Damage/ Irritation	Causes serious eye damage
pH	11.3
Respiratory or Skin Sensitization	Not Classified
Germ Cell Mutagenicity	Not Classified
Carcinogenicity	Not Classified
Specific Target Organ Toxicity (Repeated Exposure)	Not Classified
Reproductive Toxicity	Not Classified
Specific Target Organ Toxicity (Single Exposure)	May cause respiratory irritation
Aspiration Hazard	Not Classified
Symptoms/ Injuries After Inhalation	Irritation of the respiratory tract and the other mucous membranes
Symptoms/Injuries After Skin Contact	Prolonged exposure may cause skin irritation.
Symptoms/Injuries After Eye Contact	Causes permanent damage to the cornea, iris, or conjunctiva.
Symptoms/Injuries After Ingestion	Ingestion may cause adverse effects.
Chronic Symptoms	None expected under normal conditions of use.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data

Aggravated medical conditions caused by exposure

SECTION 12 – ECOLOGICAL INFORMATION

Toxicity

Ecology – General.....Not classified.

Persistence and Degradability

LithiCoatz™	
Persistence and Degradability	Not established.

Chronic Toxicity

LithiCoatz™	
Bioaccumulative Potential	Not established.

CONCORD SEALERS AQUACOATZ

Safety Data Sheet

Mobility in Soil	Not available
Other Adverse Effects	
Other Information	Avoid release to the environment.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

Ecology - Waste Materials: Avoid release to the environment.

SECTION 14 – TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

In Accordance with DOT	Not regulated for transport
In Accordance with IMDG	Not regulated for transport
In Accordance with IATA	Not regulated for transport
In Accordance with TDG	Not regulated for transport

SECTION 15 – REGULATORY INFORMATION

AICS All ingredients are on the Australian Inventory of Chemical Substances

SECTION 16 – OTHER INFORMATION

Contact Person/ Point FOR EMERGENCIES ONLY CONTACT : Australia : 000
POISONS INFORMATION CENTRE : Australia : 131 126
: New Zealand : 0800 764 766

Issue Date 18/11/2025

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Version 04

Additional Information

Key/ Legend to abbreviations and acronyms used in the SDS

ADG	Australian Code for the Transport of Dangerous Goods by Road and Rail
ACGIH	American Conference of Governmental Industrial Hygienists
ASCC	Australian Safety and Compensation Council
ATE	Acute Toxicity Estimates
BEI®	Biological exposure indices (BEI) are values used for guidance to assess biological monitoring results. With respect to chemical exposure, biological monitoring is the measurement of the concentration of a chemical marker in a human biological media that indicates exposure. They are not developed for use as legal standards.
Carcinogen Category Number	<ol style="list-style-type: none">1. Established human carcinogen2. Probably human carcinogen3. Substances suspected of having carcinogenic potential
Code AICS	Australian Inventory of Chemical Substances
CAS number	Chemical Abstracts Service Registry Number
EPG	Emergency Procedure Guide (superseded by IERG)
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
HCIS	The Hazardous Chemical Information System (HCIS) is a database of information on chemicals that have been classified in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). HCIS replaces the previous Hazardous Substance Information System (HSIS).
HSIS	HSIS is a database of information on substances classified in accordance with Australia's previous hazardous substance classification system, the Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004)].
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IERG	HB 76-2004 Dangerous goods - Initial Emergency Response Guide
IMDG	International Maritime Dangerous Goods. A uniform code for transport of dangerous goods at sea.

CONCORD SEALERS AQUACOATZ

Safety Data Sheet

LEL	lower flammable (explosive) limits in air;
LD50	Lethal Dose sufficient to kill 50% of test population
NIOSH	National Institute for Occupational Safety and Health the United States federal agency responsible for conducting research and making recommendations for the prevention of work-related injury and illness.
NOAEL	No Observed Adverse Effect Level
NOEL	No Observable Effect Level
NOHSC	National Occupational Health and Safety Commission
NTP	National Toxicology Program (USA)
PEL	Permissible Exposure Limit
RTECS	Registry of Toxic Effects of Chemical Substances (Symyx Technologies')
TCLo	Toxic Concentration Low
TDL_o	Toxic Dose Low : lowest dosage per unit of bodyweight (typically stated in milligrams per kilogram) of a substance known to have produced signs of toxicity in a particular animal species.
TLV	Threshold Limit Value (ACGIH):The time weighted average used to describe exposure which is harmless to most of the population when exposed 8 hours per day, 40 hours per week.
TWA	(Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week. These exposure standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.
SAFEWORK	Independent statutory agency with primary responsibility to improve occupational health and safety and workers' compensation arrangements across Australia.
STEL	(Short Term Exposure Limit): The average airborne concentration over a 15-minute period which should not be exceeded at any time during a normal eight-hour workday
SUSDP	Standard for the Uniform Scheduling of Drugs & Poisons
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UEL	upper flammable (explosive) limits in air;
UN Number	United Nations Number
VOC	Volatile Organic Content - defined as : 'any chemical compound based on carbon chains or rings with a vapour pressure greater than 0.1mm of mercury (Hg) or 0.0135Kpa at 25°C. This definition excludes reactive diluents, which are designed to be chemically bound into the cured film. It also includes all constituents >0.5% by volume of formulation, which are organic compounds with a boiling point < 250°C.'

Literature references.

Sources for data.

Safety Data Sheets from Suppliers
Hazardous Chemical Information System (HCIS) - ASCC Australia (on-line) GHS (Globally Harmonised System of Substance Classification & Labelling) REACH (European Chemical Substance Information System)
ADG Code Ed 7.7
SUSMP No 34

SECTION 17 – DISCLAIMER

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since CONCORD SEALERS cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material. If clarification or further information is needed, the user should contact CONCORD SEALERS at the contact details on page 1. CONCORD SEALERS responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request. CONCORD SEALERS however makes no warranty whatsoever, expressed, implied or of merchantability regarding the accuracy of such data or the results to be obtained from the use thereof and assumes no responsibility for injury to buyer or third persons or for any damage to property, buyer assumes all risks