

PRODUCT: Innocoat Reactafil LS Densifier

SAFETY DATA SHEET (SDS)

SECTION 1: IDENTIFICATION OF SUBSTANCE & COMPANY DETAIL

Product

Product Name Innocoat Reactafil LS Densifier
HSNO approval Non Hazardous
Recommended Uses: To impregnate and densify concrete

Company Details

Company Innocoat Coatings NZ Ltd
37 Beach Road
Richmond
Nelson 7020

Phone 022 086 3584
Email info@innovativecoatingsnz.com

SECTION 2: HAZARD IDENTIFICATION

This product is considered non hazardous under the Hazardous Substances and New Organisms Act (HSNO)

HSNO Classes

None

Hazard Statements

Causes skin irritation
Causes serious eye irritation

SYMBOLS:



Precautionary Statements

Wash hands and exposed skin thoroughly after handling.
Wear protective gloves.
Wear eye protection/face protection.



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SECTION 3: PHYSICAL COMPOSITION

Components	CAS No	Proportion
Lithium Silicate	12627-14-4	5 – 20%
Ingredients not contributing towards HSNO, includes water	NA	90 – 100%

SECTION 4: FIRST AID MEASURES

IF exposed or concerned: Get medical advice / attention.
If medical advice is needed, have product container or label at hand.
Contact a doctor or the National Poison Information Centre.
Phone 0800 764 766 (0800 POISON) (24 hr emergency service)

First Aid measures

- Inhalation:** Generally, inhalation of vapour is unlikely to result in adverse health effects. If coughing, dizziness or shortness of breath is experienced: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a doctor or Poison Centre if you feel unwell.
- Skin contact:** **If on skin:** Wash skin thoroughly with soap and water. Remove contaminated clothing and shoes. If skin irritation occurs: Get medical advice. Wash contaminated clothing before re use.
- Ingestion:** **If swallowed: DO NOT** induce vomiting. Rinse mouth. Call a doctor if concerned.
- Eye Contact:** **If in eyes:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses if possible. Continue to rinse for at least 10 minutes. If eye irritation persists: Get medical attention

Work place facilities: Eye wash and ready access to running water

Notes for medical personnel: Treat symptomatically.

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SECTION 5: FIRE FIGHTING MEASURES

Type of Hazard: No specific risks for fire/explosion. Product is non flammable

Extinguishing media & method: Carbon dioxide, extinguishing powder, foam

Products of combustion: Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water.

Recommended protective clothing: No special measures are required

Hazchem code: Not applicable

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Stop the source of the leak if it is safe to do so.
Prevent liquid from entering sewers or waterways.
Isolate area and collect spill.
Transfer to container for disposal.

Cleanup methods: Mop up and collect any recoverable material into labelled containers for recycling or salvage.
Recycle containers wherever possible. Dispose of only in accordance with all regulations (see Section13)

SECTION 7 : HANDLING & STORAGE

Handling Keep exposure to a minimum. Minimise the quantities kept in work areas. See Section 8 for personal protective equipment requirements

Storage Keep containers closed when not in use and securely sealed and protected from physical damage.

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SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

A workplace exposure standard (WES) has not been established by Worksafe NZ for this Product. There is a general limit of 3mg/m³ for respirable particulates and 10mg/m³ for inhalable particulates when limits have not otherwise been established.

Engineering controls Use General Industrial Hygiene Practices
Use local exhaust ventilation to prevent build-up of vapours and mist.

Personal Protective Equipment (PPE)

Detail specifications for equipment

Clothing and Hand Protection: Protective clothing and gloves are not normally necessary when using this product. However, wearing gloves is always recommended when handling chemicals in bulk or for long periods of time



Eye Protection: Avoid contact with eyes.
Use protective eyewear if splashes are possible



Respiratory Protection: Respirator is not necessary under normal use.
Ensure adequate fresh air.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Low Viscosity clear liquid with slight odour
Melting Point:	N/A
Vapour Pressure:	No data
Boiling Point:	100°C as water
Solubility in water:	Dispersible in water
Specific Gravity:	1.03
Freezing Point:	No data



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Percent Volatile:	No data
Evaporation Rate:	N/A
Flash Point:	Does not flash
Auto Ignition Temp:	No data

SECTION 10 STABILITY AND REACTIVITY

Stability of the substance	Stable under normal conditions
Conditions to avoid	Keep container closed to avoid contamination Keep away from extreme heat and open flames
Material to avoid	Strong oxidising agents
Hazardous decomposition products	None known
Hazardous reactions	None known

SECTION 11 TOXICOLOGICAL INFORMATION

Summary

If swallowed: Lithium compounds may damage central nervous system. Large doses may cause vomiting, nausea, dizziness and kidney damage

If in eyes: may cause eye irritation

If on skin: repeated skin contact will cause skin irritation

Supporting Data

Acute	Oral	Oral LD50 (rat) : >5000 mg/kg
	Dermal	No evidence of dermal toxicity
	Inhalation	No evidence of acute inhalation toxicity
	Skin Irritation	Causes skin irritation
	Eye	Causes serious eye Irritation
Chronic	Sensitisation:	No ingredient present is considered a sensitiser
	Mutagenicity	No ingredient present is considered a mutagen
	Reproductive / Developmental	No ingredient present is considered a reproductive or developmental toxicant or have any effects on or via lactation
	Systemic	No evidence of systemic toxicity
	Aggravation of Existing conditions	None known



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SECTION 12 ECOLOGICAL INFORMATION

Summary

Ecotoxicity : This product has not been tested for ecotoxicity potential

Adverse effects : The alkalinity of this material may have a local effect on ecosystems sensitive to changes in pH

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal information	There are no product specific restrictions, dispose of waste according to local and national regulations.
Disposal method	Do not dispose of residue and solutions that cannot be reused to sewer. Dilute with water at least five times as much water and drain.
Container Disposal	Rinse contains with water before disposal. Recycle where possible otherwise send to landfill.

SECTION 14 TRANSPORT INFORMATION

There are no specific restrictions for this product. This product is not a dangerous good.

UN Number:	NA	Proper shipping name	Not regulated for transport
Class	NA	Packing Group	NA
Hazchem Code	NA	Precautions	NA



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SECTION 15 REGULATORY INFORMATION

This product is not considered hazardous under the Hazardous Substances and New Organisms Act (HSNO)

Specific Workplace Controls (as per HSNO approval referenced to Controls Matrix)

Key workplace requirements are;

SDS	Not required
Labelling	No removal of labels. Original label must be retained
Emergency plan	Not required
Approved handler	Not required
Tracking	Not required
Bunding & secondary containment	Not required
Signage	Not required
Location Test Certificate	Not required
Flammable zone	Not required

Note: The above workplace requirements apply if only this particular substance is present. The complete set of controls for a location will depend on the classification and total quantities of Other substances present in that location.

Other Legislation

In New Zealand the use of this product may come under the Resource Management Act and Regulations, the Health and Safety at Work Act 2015 and the Safety at Work (General Risk and Workplace Management) Regulations 2016 and local Council Rules and Regional Council plans.

SECTION 16 OTHER INFORMATION

Review

Version Date: 10/03/2021
Review Date: 09/03/2026

Note

All information given by Innovative Coatings NZ Ltd is offered in good faith and is, to the best of our knowledge, true and accurate. However, since conditions of use are beyond our control, all information relevant to usage is offered without warranty or guarantee and should not be construed as a representation that the product is suitable for any particular purpose or application.