Concrete Tool Importers Ltd

76A Oxford Street
Richmond, Nelson
New Zealand
P. 03 544 6943
Poisons Centre 0800 764 766
A/H 0276 288 277

SAFETY DATA SHEET

August 2019

1. Identification of the material and supplier

Names

Product name : **CTI Densifier**
ADG :

Supplier

Supplier : Concrete Tool Importers Ltd
76 A Oxford Street
Richmond
Nelson

Telephone : 03 544 6943
Fax No : 03 544 6940
Poisons Centre : 0800 764 766
After Hours : 0276 288 277

Use of the Substance/preparation : To impregnate and densify concrete

2. Hazards identification

Classification : CAS Number 1344-09-8
Risk phrases : R36/38
Statement of hazardous /dangerous nature : Spilled material is slippery. Reacts with acid to form flammable gas.

3. Composition/information on ingredients

Mixture : Colloidal alkaline metal silicate - <5%

Other ingredients determined not to be hazardous according to NOHSC criteria and not dangerous according to the ADG Code make up the product concentration of 100%

4. First aid measures

Inhalation : If used outdoors or areas with adequate ventilation no special attention is needed otherwise ensure adequate mechanical ventilation of fresh air is supplied. Remove person to fresh air if breathing is difficult and give oxygen if needed. Seek medical attention.

Ingestion : Wash out mouth with water. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious give plenty of water to drink. Do not induce vomiting unless directed to by medical personnel. Get medical attention if symptoms occur.

4. First aid measures

Skin contact	:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation persists. Prolonged or repeated skin exposure may cause dry skin.
Eye contact	:	Immediately flush eyes with plenty of water occasionally lifting the upper and lower Eyelids. Check for an remove any contact lenses. Continue to rinse for at least 10 minutes. Seek medical attention.
Protection of first aiders	:	No action shall be taken involving any personal risk or without suitable training.
Notes to physician	:	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire fighting measures

This material is non flammable. Use appropriate extinguishing media including dry chemical, water spray, regular foam and carbon dioxide for surrounding material. May react with ammonium salts resulting in evolution of ammonium gas. Can etch glass if not promptly removed.

6. Accidental release measures

Avoid inhaling vapours or mists and protect eyes and skin. Prevent liquid from entering sewers , water courses or low lying areas. Dam areas with sand or soil, retain contaminated liquids and sand or soil into marked containers. Dispose according to local body and government regulations. Small spills absorb with sand, soil or perlite and place in marked containers for disposal. Avoid using sawdust or cellulose

7. Handling and storage

Avoid contact with eyes, skin and clothing. Avoid breathinh spray mist. Keep container closed. Promptly clean up residue with dampened cloth. Promptly clean up spills.

Store in a cool dry ventilated area. Containers should be tightly closed and labelled. Store away from incompatible materials including ammonium salts, acids, reactive metals & oxidising agents..

8. Exposure controls/personal protection

Avoid contact with eyes, skin and clothing. Wear long sleeves, long trousers, safety boots, gloves and safety glasses. Use an approved dust and mist respirator where spray mist occurs.

9. Physical and chemical properties

Appearance	:	Water clear liquid
Odour	:	Odourless or musty odour
pH	:	Approximately 10.8
Specific gravity	:	1.1
Flammability	:	Non flammable

10. Stability and reactivity

Stability	:	This material is stable under all conditions of use and storage.
Material to avoid	:	Acids, non ferrous metals causing flammable hydrogen gas. May react with ammonium salts resulting in the evolution of ammonia gas.

Hazardous decomposition: Hydrogen gas, ammonia products

11. Toxicological information

Acute data	: Swallowing can cause nausea, vomiting, abdominal pain and diarrhea. May cause irritation to mouth, throat
Subchronic data	: Repeated ingestion or ingestion of large doses of soluble lithium compounds is reported to cause temporary mental function impairment.
Special studies	: Lithium silicate is not listed as a carcinogen

12. Ecological information

Eco toxicity	: This product has not been tested for eco toxicity potential
Environmental Fate	: The high pH of this material may be acutely harmful to aquatic life.
Physical / Chemical	: Sinks and mixes with water. Only water will evaporate from this product

13. Disposal considerations

Comply with local body and national authorites. Not suitable for incineration.

14. Transport information

UN number	: None allocated
Proper shipping name	: Colloidal alkaline metal silicate
DG class	: Not hazardous for transportation
Packing group	: Not hazardous for transportation

15. Regulatory information

No known regulations on this product or its components

16. Other information

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.