842 MVRA SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	CLEVA CRETE 842 MVRA
Product Use	Resolves moisture vapour egress
Manufacturer's Name	CLEVA CRETE Pty Ltd 405a Grand Junction Road, Wingfield 5013
Emergency Number	131 126 – Australian Poison Information Centre
SDS Revision Date	August 2023

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	Weight %	CAS Number Number	TWA ppm	LD50 ORAL RAT Mg / kg	LC50 INHAL RAT ppm
Silicic Acid, Sodium Salt Proprietary	5 - 25	1344-09-8	N/A	N/A	N/A

3. HAZARD IDENTIFICATION

Route of entry	Eye contact, ingestion, skin contact, inhalation.
Carcinogenic Status	Not considered carcinogenic by NTP, IARC and OSHA.
Target organs	Eyes, skin and lungs.
Health Effects: Eye	Moderate irrigation expected.
Health Effects: Skin	Moderate irrigation expected.
Health Effects: Ingestion	May cause irritation to the mouth, oesophagus and stomach and damage to kidney, central nervous system and blood.
Health Effects: Inhalation	Spray mist is irritation to the respiratory system.

4. FIRST AID MEASURES

Eye	Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention.
Skin	Immediately flood the skin with large quantities of water. Remove contaminated clothing and shoes. Obtain medical attention.
Ingestion	If swallowed, obtain medical attention immediately. If victim is fully conscious, give a cupful of milk. If conscious induce vomiting. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.

5. ACCIDENTAL RELEASE MEASURES

Spill Procedures	Small spills – Mop up and neutralise liquid, dispose in accordance with federal, provincial and local regulations or permits. Large spills – Isolate hazard area. Do not touch or walk though spilled material. Isolate, construct barrier and store discharged material, if possible. Use sand or earth to contain material. If containment is impossible, neutralise contaminated area and flush with large quantities of water.

Personal Precautions	Wear chemical goggles, body-covering protective clothing, chemical resistant gloves and rubber boots. Use a NIOSH approved dust and mist respirator where spray mist occurs.
Environmental Precautions	Prevent the material from entering drains or watercourses. Notify authorities if spill has entered watercourse or sewer.

6. FIRE FIGHTING MEASURES

Conditions of flammability	Non-Flammable. Will not support combustion.
Extinguishing media	Is compatible with all extinguishing media.
Special hazards of product	Dries to form glass film which can easily cut the skin. Spilled material is very slippery. Can etch glass if not promptly removed.
Protective equipment for fire fighting	Wear full protective clothing, when this material is present in the area of the fire.
Flash point (PMCC) (oC)	Non-Flammable.
Upper flammable limit % VOL	N/A
Lower flammable limit % VOL	N/A
Autoignition temp (oC)	N/A
Explosion Data – Sensitivity to impact	N/A
Explosion Data – Sensitivity to static	N/A
discharge	N/A

7. HANDLING AND STORAGE

Handling	Avoid contact with eyes, skin and clothing. Avoid breathing mist. Keep container closed. Promptly clean up spills
Storage	Keep container closed. Store in clean steel or plastic containers. Separate from acids, reactive metals and ammonium salts. Storage temperature 0-950C. Do not store in aluminium, fibreglass, copper, brass, zinc or galvanised containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Control Measures	Use with adequate ventilation. Keep containers closed. Safety showers and eyewash fountain should be within direct access.
Respiratory Protection	Use a NIOSH approved dust and mist respirator where spray mist occurs. Observe provincial regulations for respiratory use.
Hand Protection	Full-length gloves should be worn during all handling operation to protect against slashing. Neoprene gloves.
Eye Protection	Chemical goggles should be worn during all handling operations to protect against splashing.
Body Protection	Discard contaminated protective equipment. If there is danger of splashing, wear overalls or apron
Protection During Application	During application, adequate ventilation must be provided. Mix in a well – ventilated area. If ventilation is poor, wear respiratory protection. Dries to form glass film which can easily cut the skin. Spilled material is very slippery. Can etch glass if not promptly removed.

Physical State	Liquid
Odour & Colour	Odourless & Clear
Odour Threshold (ppm)	N/A
Specific Gravity	1.01-1.10
Vapour Density (AIR =1)	No Data
Vapour Pressure = 20 C	No Data
Evaporation Rate	No Data
Boiling Range / Point (°C)	No Data
Freezing Point (°C)	No Data
pH (1% solution at 20 C)	No Data
Coefficient of water / oil distribution	No Data
Solubility in water	Miscible
VOC (G/L)	0

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to avoid	Do not freeze.
Materials to avoid	Gels can generate heat when mixed with acid. May react with ammonium salts resulting in evolution of ammonia gas. Flammable hydrogen gas may be produced on contact with aluminium, tin, lead and zinc. May react with strong oxidising agents.
Hazardous Polymerisation	Will not occur.
Hazardous Decomposition Products	Hydrogen gas.

11. TOXICOLOGICAL INFORMATION

Effects of accute exposure	Irritation to the eyes and skin is expected. Irritation and burning sensation of mouth, throat, nausea, vomiting and abdominal pain. On inhalation of liquid will cause irritation to mucous membranes coughing and wheezing.
Effects of chronic exposure	May cause dermatitis and irritation or repeated contact.
Exposure limits	N/A
Irritancy	Moderate irritation expected.
Sensitisation	No Data
Carcinogenicity	Not listed as a carcinogen by NTP,OSHA and IARC
Reproductive toxicity	No Data
Teratogenicity	No Data
Mutagenicity	No Data
Toxicologically synergistic products	No Data

Mobility	Sinks and mixes with water. Diluted material rapidly depolymerises to yield dissolved silica in a form
Persistance / Degradability	This product is not persistent in aquatic systems, but its high pH when undiluted or un-neutralised, is harmful to aquatic life. Full ecological impact has not been determined.
Bio-Accumulation	Neither silica nor sodium will appreciable bio concentrate up the food chain.
Eco Toxicity	The following data is reported for sodium silicate on a 100% basis: A 96 hour median tolerance for : Fish (Gambusia affnis) of 2320 ppm; Water fleas (Daphnia magna) of 247 ppm Snail eggs (lymnea) of 632 ppm (Amphipoda) of 160 ppm

13. DISPOSAL CONSIDERATIONS

Product Disposal	Absorb product on an inert material (sand or earth) and transfer absorbed product into a waste container. Dispose of in accordance with all applicable local and national regulations.
Container Disposal	Labels should not be removed from containers until they have been cleaned. Empty containers may contain hazardous residues. Dispose of containers with care.

14. TRANSPORTATION INFORMATION

CANADA	TDG Classification
Hazard Label: Not Required	Not Regulated, keep from freezing
EXPORT	
DOT CFR 172.101 Data	Not Regulated
UN Proper Shipping Name	N/A
UN Class	N/A
UN Number	N/A
UN Packaging Group	N/A
Flash Point	N/A
Hazardous Material	N/A
Hazardous Label	N/A

15. REGULATORY INFORMATION

WHMIS Classification	Class D, Div. 2, Subdivision B – Material causing other toxic effects.
CEPA Status (DSL)	All of the ingredients of this product are listed on the Domestic Substances List.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by CPR.

Hazard Rating	0 = Minimal; 1 = Slight; 2 = Moderate; 3 = High; 4 = Extreme Health = 2 Flammability = 0 Reactivity = 0
Abbreviations	N/A: Denotes no applicable information found or available CAS#: Chemical Abstracts Service Number ACGIH: American Conference of Governmental Industrial Hygienists OSHA: Occupational Safety and Health Administration TLV: Threshold Limit Value PEL: Permissible Exposure Limit STEL: Short Term Exposure Limit NTP: National Toxicology Program IARC: International Agency for Research on Cancer R: Risk S: Safety LD50: Lethal Dose 50% LC50: Lethal Concentration 50%

Provided data is offered in good faith as typical values and not as a product specification. No warranty, either express or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable, however, each user should review these recommendations.