

GREEN2GREEN SOLUTIONS, INC.

SAFETY DATA SHEET

1. Identification

Product Identifier: D-ICE 613 LIQUID CALCIUM CHLORIDE DE-ICING SOLUTION + 3% BLACK-ICE BLASTER

Application or recommended use: Liquid de-icing compound

Restrictions on use: Do not use in any fashion not specified on the product label.

Manufacturer / supplier: Green2Green Solutions, Inc.

5039 Green Pine Court
Sylvania, Ohio 43560 USA

Telephone: 866-341-3902

Emergency phone: 800-424-9300 **National Poison Center:** 800-222-1222

2. Hazards Identification

GHS Classification: Classification of this mixture in accordance with paragraph (d) of §1910.1200.
Not classified according to current models.

Label Elements:

Symbol: None

Signal word: **CAUTION**

Hazard statements: May cause temporary eye irritation.

Precautionary statements: Wash thoroughly after handling.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Other Hazards: None known.

3. Composition / Information on Ingredients

Chemical characterization: Mixture of water, polymers, water soluble solvents and auxiliary agents.

Hazardous ingredients: The exact percentage of composition has been withheld as a trade secret.

15 - 25% Calcium Chloride CAS 10043-52-4

1 - 5% Magnesium Chloride CAS 7786-30-3

1 - 5% Sodium Chloride CAS 7647-14-5

1 - 5% Potassium Chloride CAS 7447-40-7

1 - 5% Corrosion Inhibitor CAS N/A Mixture

Other ingredients (> 1%):

> 70% Water CAS 7732-18-5

4. First-Aid Measures

Symptoms: Irritation of affected areas. May cause temporary minor eye irritation.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

Skin Contact: Wash contaminated area with soap and water. If irritation occurs, get medical advice/attention.

Eye Contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. If eye irritation occurs, get medical advice/attention.

Ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. If vomiting occurs, keep head below hips to reduce risk of aspiration. **Note to Physician:** Treat exposed patients symptomatically.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Not applicable. Product is not a fire hazard.

Unsuitable Extinguishing Media: High pressure water jet. **Specific hazards in case of fire:** None known.

Special Fire Fighting Precautions: Fire fighters should wear appropriate protective equipment, including self-contained breathing apparatus and impervious clothing.

6. Accidental Release Measures

Emergency Procedures: Depending on the extent of release, consider the need for restriction of access to spill area.

Personal Precautions: Wear eye protection and impervious gloves (e.g. neoprene). Wash thoroughly after clean up.

Environmental Precautions: Prevent spills from entering storm sewers/drains.

Clean up Methods: Small spills may be wiped up and rinsed with water. For larger spills, contain spill with inert material (sand, clay). Transfer material to labeled containers for recovery or proper disposal. After removal, flush area with water.

7. Handling and Storage

Precautions for Safe Handling: Read label before use. Avoid contact with skin or eyes. Wash hands, face and any skin contact thoroughly after handling. Wear protective gloves, eye protection, face protection. Use product only according to label directions. If unsure about safe use, contact your supervisor.

7. Handling and Storage (cont.)

Conditions for Safe Storage: Keep out of reach of children. Do not contaminate water, food or feed by storage and disposal. Store in original container. **Incompatibility:** None known.

8. Exposure Controls / Personal Protection

Components with occupational exposure limits: None

Engineering Controls: None required.

Personal Protective Equipment

Respiratory: Not required. **Gloves:** Not required **Eye Protection:** Recommended. **Other:** Not applicable.

9. Physical and Chemical Properties

Physical State - Liquid	Auto-ignition temperature - Not applicable
Color - Brown	Flash Point - None
Odor - Mild	Flammability - Not applicable
Odor Threshold - No data available	Flammability Limits - Not applicable
Boiling Point - 212°F	Partition coefficient - Not applicable
Decomposition temperature - No data available	Solubility (Water) - Complete
Freezing Point - -40°F	Vapor Density - No data available
pH (Neat) - 3.0 - 6.0	Vapor Pressure - No data available
Relative Density - 1.250	Viscosity - Slightly viscous
Evaporation Rate - Same as water	% VOC - 0 (Excluding exempt material)

10. Stability and Reactivity

Reactivity: Same as water

Incompatible materials: None known.

Chemical stability: This product is stable at ambient temperatures and pressures.

Conditions to avoid: None known.

Hazardous decomposition products: None known.

11. Toxicological Information

Acute Toxicity: Toxicity data is not available for this mixture. Data below are estimates based on summation methods.

Test	Results	Classification (A.0.4.1(c))	Basis (A.1.3.6.1)
Oral	> 2000mg/kg	Not applicable	Ingredient literature (Additive formula)
Dermal	> 2000mg/kg	Not applicable	Ingredient literature (Additive formula)
Inhalation	> 20 mg/L	Not applicable	Ingredient literature (Additive formula)
Eye Damage/Irritation	Not applicable	Not applicable	Ingredient literature
Skin Damage/Irritation	Not applicable	Not applicable	Ingredient literature

Summary: Skin and eye contact are most likely routes of exposure. May cause minor eye irritation

Subchronic/Chronic Toxicity:

Test	Results	Classification	Basis
Skin Sensitization	Not a sensitizer	Not applicable	Ingredient literature.

Summary: Repeated or prolonged contact may cause eye irritation.

Carcinogens - Ingredients are not listed on the NTP Report on Carcinogens, IARC Monographs or by OSHA

Other data - No other toxicological information is available for this mixture.

12. Ecological Information

This material has not been tested for acute environmental effects.

Persistence and degradability: Not applicable. Naturally occurring salt solution.

Bio-accumulative potential: Not applicable.

Mobility: Accidental spillage may lead to penetration of soil and groundwater.

13. Disposal Considerations

Do not contaminate water, food or feed by disposal. If material cannot be disposed of by use according to label directions, contact your State Environmental Control Agency for guidance. Rinse container and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill.

14. Transport Information

Proper Shipping Name: Not regulated **RQ** - Not Applicable

Shipping emergency phone: 800-424-9300

Transport hazard class: Not Applicable **Hazard Label:** Not Applicable

Packing Group: Not Applicable **Emergency Guide No.:** Not Applicable **Marine Pollutant:** No

15. Regulatory Information

Inventory status: All components are listed on TSCA(US), EINECS/ELINCS(EU), DSL(Canada), AICS(Australia), ENCS(Japan).

OSHA Hazard Communication Standard: This product is not classified according to current models.

Superfund Amendments and Reauthorization Act of 1986 Title III (EPCRA) Sections 311 and 312

Immediate (Acute) Health Hazard	No	Delayed (Chronic) Health Hazard	No
Fire Hazard	No	Reactive Hazard	No
Sudden Release of Pressure Hazard	No		

Superfund Amendments and Reauthorization Act of 1986 Title III (EPCRA) Section 313

*Chemicals marked with an asterisk in “**3. Composition/Information on Ingredients**” are subject to reporting requirements for Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40CFR Part 372.

Pennsylvania/New Jersey/Massachusetts Right to Know

See “**3. Composition/Information on Ingredients**” for hazardous and top five ingredients over 1% (w/w).

California Proposition 65: This product does not contain a listed substance known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

16. Other information

Date issued: 31. 12. 2014

F613-001 Revision: N/A

Disclaimer: No representation or warranty, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, is made with respect to information concerning the product referred to in this document. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, it is impossible to foresee every health effect or exposure risk incurred by the use of this product. All chemicals present some degree of hazard and should be used with caution. The information and recommendations contained herein are presented in good faith. The user should review this information in conjunction with their knowledge of the application intended to determine the suitability of this product for such purpose. In no event will the supplier be responsible for any damages of any nature whatsoever, resulting from the use, reliance upon, or the misuse of this information. Furthermore, it is the direct responsibility of the user to comply with all applicable regulations governing the use and disposal of this material. **Prepared by: R&D**