



Safety Data Sheet

Section 1: Identification

Product Name:	Down To Earth Liquid Calcium 5.0%	Manufacturer:	Down To Earth Distributors, Inc.
Common Name(s):	calcium chloride	Physical Address:	3030 Judkins Road Eugene, OR 97403
Product Code:	N/A	Mailing Address:	PO Box 1419 Eugene, OR 97440
CAS #:	10043-52-4	Telephone Number:	541-485-5932
Recommended Use:	Fertilizer	Emergency #:	800-234-5932
Restrictions:	N/A		

Section 2: Hazard Identification

Hazard Group: Health
Hazard Classes: Skin Corrosion/Irritation (Category 2)
Serious Eye Damage/Eye Irritation (Category 2A)



Hazard Statements

H303: May be harmful if swallowed
H315: Causes skin irritation
H319: Causes serious eye irritation

Precautionary Statements

Prevention

P233: Keep container tightly closed
P234: Keep only in original container
P262: Do not get in eyes, on skin, or on clothing
P264: Wash skin thoroughly after handling
P280: Wear protective clothing; use eye protection and nitrile gloves under normal conditions

Response

P302: If on skin: Wash with plenty of soap and water
P305: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332: If skin irritation occurs: Get medical advice/attention
P337: If eye irritation persists: Get medical advice/attention

Storage

P404: Store in a closed container
P420: Store away from incompatible materials. Product should be stored above 12.8° C (55° F)



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Disposal

P501: Dispose of contents in accordance with local, state, and federal regulations.

Section 3: Composition/Information on Ingredients

Mixtures

Chemical Name	Common name and synonyms	CAS Number	%
Calcium Chloride		10043-52-4	10 - < 20
Trade Secret*		Proprietary*	10 - < 20
Other components below reportable levels			60 - < 70

* Indicates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Section 4: First-Aid Measures

- Inhalation:** Remove person to fresh air and keep comfortable for breathing. If respiratory distress continues, seek medical attention.
- Skin Irritation:** Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation persists, seek medical attention. Wash contaminated clothing before reuse. Important symptoms may include redness, rash and pain.
- Eye:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If pain and/or eye irritation persists, seek medical attention. Important symptoms may include stinging, tearing, redness, swelling and blurred vision.
- Ingestion:** Rinse mouth. If gastrointestinal distress occurs, seek medical attention.

Section 5: Fire-Fighting Measures

- Suitable Extinguishing Media:** Water Fog, Foam, Carbon Dioxide, Dry Chemical Powder
- Unsuitable Extinguishing Media:** Do not use water jet as an extinguisher as this may spread the fire
- Flash Point:** N/A
- Specific Fire-Related Hazards:** During fire, gases hazardous to health may be formed
- Special Protective Equipment:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
- Special Fire-Fighting Procedures:** None
- Unusual Fire/Explosion Hazards:** None

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Section 6: Accidental Release Measures

Personal Precautions: Wear appropriate protective clothing, eye protection and nitrile gloves during handling and clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation.

Environmental Precautions: Prevent further leakage or spillage if safe to do so.

Methods for Handling Spills: In case of large spills: Stop the flow of material if this is without risk. Absorb in vermiculite, dry sand or earth and place into disposal containers. Following product recovery, flush area with clean water. In case of small spills: Wipe up with absorbent material. Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see Section 13 of the SDS.

Section 7: Handling and Storage

Safe Handling: Avoid contact with eyes, skin and clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Safe Storage: Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

Section 8: Exposure Control/Personal Protection

Exposure Limit: There are no exposure limits defined for this product.

Recommended PPE and Handling Practices

Respiratory: Particle mask

Skin Protection: Nitrile gloves

Eye Protection: Safety glasses or goggles

Hygiene: Wash hands thoroughly with soap and water

Ventilation: Ensure workspace is well-ventilated



Safety Glasses



Gloves



Particle Mask / Respirator

Section 9: Physical and Chemical Properties

Appearance:	Light yellow liquid	Vapor Density:	N/A
Flammability Limits:	N/A	pH:	0.7
Odor:	Slight odor	Specific Gravity:	1.27
Odor Threshold:	N/A	Melting Point:	N/A
Vapor Pressure:	0.0001 hPa estimated	Freezing Point:	N/A



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Solubility in Water:	N/A	Evaporation Rate:	N/A
Initial Boiling Point:	1670° C estimated	Flammability:	N/A
Boiling Range:	N/A	Viscosity:	N/A
Flash Point:	N/A	Percent Volatile:	39.81% estimated

Section 10: Stability and Reactivity

Reactivity:	Reacts violently with strong alkaline substances. This product may react with reducing agents.
Chemical Stability:	Product is stable under normal temperatures and conditions
Conditions to Avoid:	Do not mix with other chemicals
Required Stabilizers:	None
Incompatibility:	Bases. Reducing agents
Hazardous Decomposition:	None currently known
Hazardous Polymerization:	Will not occur
Hazardous Reactions:	None currently known

Section 11: Toxicological Information

Primary Routes of Exposure:	Skin contact and eye contact
Symptoms of Exposure:	Causes skin irritation. Slight dermatitis may occur. Pain, rash and swelling may occur in skin. Causes serious eye irritation. Symptoms may include stinging, pain, tearing, redness, swelling and blurred vision.

Information on Toxicological Effects

Acute Toxicity

Components	Species	Test Results
Calcium Chloride (CAS 10043-52-4)		
<u>Acute</u>		
Oral		
LD50	Rat	1000 mg/kg
Trade Secret		
<u>Acute</u>		
Oral		
LD50	Mouse	5040 mg/kg
	Rat	6730 mg/kg

*Estimates for product may be based on additional component data not shown

Skin Corrosion/Irritation:	Causes skin irritation
Serious Eye Irritation:	Causes serious eye irritation
Respiratory Sensitization:	Not a respiratory sensitizer

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Germ Cell Mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic
Carcinogenicity:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA
Reproductive Toxicity:	This product is not expected to cause reproductive or developmental effects.
Aspiration Hazard:	Not an aspiration hazard

Section 12: Ecological Information

Ecotoxicity: Because of the low pH of this product, it would be expected to produce significant ecotoxicity to aquatic organisms and aquatic systems

Components	Species	Test Results
Calcium Chloride (CAS 10043-52-4)		
Aquatic		
Crustacea	EC50	Water flea (<i>Daphnia magna</i>) 52 mg/l, 48 hours
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>) 3930 - 5360 mg/l, 96 hours

*Estimates for product may be based on additional component data not shown

Bioaccumulation Potential:	Currently unknown
Mobility in Soil:	Currently unknown
Other Adverse Effects:	No other adverse environmental effects are expected from this product

Section 13: Disposal Considerations

Disposal Instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow the product to drain into sewers/water supplies. Dispose of contents/containers in accordance with local, state and federal regulations.

Section 14: Transport Information

DOT:	Not regulated as dangerous goods
UN Number:	None assigned
UN Proper Shipping Name:	None assigned
Transport Hazard Class:	Not regulated as dangerous goods
Environmental Hazards:	None known
Guidance on Bulk Transport:	Use best known practices when shipping in bulk
Special Precautions:	None known

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Section 15: Regulatory Information

US Federal Regulations: This product is a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200
All components are on the US EPA TSCA Inventory List

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed

SARA 304 Emergency release notification

Not regulated

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes

Delayed Hazard - No

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed

SARA 311/312 Hazardous chemical

No

SARA 313 (TRI reporting)

Not regulated

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated

Safe Drinking Water Act (SDWA)

Not regulated

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed

US. Massachusetts RTK - Substance List

Not regulated



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US. New Jersey Worker and Community Right-to-Know Act

Not listed

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed

US. Rhode Island RTK

Not regulated

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

Section 16: Other Information

The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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