

MATERIAL SAFETY DATA SHEET

Manufactured by: **GlobalAquaScience / Soil Logic**
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1. Chemical Product

General Product Name: **Liquid Thrive**
Synonyms: Soil Conditioner

Product Description: **Calcium Chloride, Acrylic and Surfactant blend**
CAS Number: n/a

Health 1
Flammability 0
Reactivity 0

2. Composition/ Information on ingredients

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>STEL</u>
Calcium Chloride	10043-52-4	15-25	n/a	n/a	n/a
Surfactant (non-regulated trade secret)					

3. Hazardous identification

Potential Health Effects:

INHALATION:

Fumes from this product are generally considered non-toxic, but can cause slight irritation to the mouth, esophagus, and lungs. There are no known acute or chronic effects

EYE CONTACT:

Contact of this product upon the eyes can cause irritation of the eyes and eyelids. It may also cause possible transient corneal injury.

SKIN CONTACT:

Prolonged contact of this product upon the skin can cause irritation. There is also the possibility of defatting the skin due to the removal of the skins natural oils. There are no known acute or chronic effects.

INGESTION:

When concentrated solutions of this product are swallowed. It can cause irritation to the mouth, esophagus, and stomach. There are no known acute or chronic effects.

4. FIRST AID MEASURES

EYES:

Flush eyes with cool water for 30 minutes. Consult a physician if irritation or damage occurs

SKIN:

Flush exposed area with lukewarm water. Consult physician if irritation or damage occurs.

INHALATION:

Fumes from this product are generally considered harmless.

INGESTION:

Do not induce vomiting. Have patient drink large amounts of water or milk and consult a physician immediately.

5. FIRE FIGHTING MEASURES

Flash Point: >300 F

Flammability Limits: None known

EXTINGUISHING MEDIA:

WATER, SAND, CO2, DRY FOAM, HALON

SPECIAL FIREFIGHTING PROCEDURES: THIS PRODUCT WILL NOT SBURN OR SUPPORT COMBUSTION.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

6. ACCIDENTAL RELEASE MEASURES/SPILL CLEAN UP PROCEDURES

Small spill: Flush area with water to an industrial sewer line

Large spill: Contains spill with dikes of absorbent materials such as clay, sand, or vermiculate. This material is non-hazardous and may be disposed of as non-hazardous refuse.

7. HANDLING AND STORAGE:

Store product in a cool dry area. Keep containers closed.

8. EXPOSURE CONTROL/ PERSONAL PROTECTION

RESPIRATORY PROTECTION:

Please use in a ventilated room, No respiratory protection is recommended.

PROTECTIVE CLOTHING:

Gloves are not necessary when handling this product. Simply rinse exposed area with water.

OTHER PROTECTIVE MEASURES:

When handling this or any other chemical product and there is the possibility of splashing it is recommended that proper protection for the eyes be worn. This consists of chemical resistant glasses and /or goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 212F

VOC % by Volume: Negligible

Specific Gravity (H2O=1): 1.14

Solubility in H2O % by Volume:

Ph of concentration: 5.0 to 9.0

-This product is 100% miscible in water

Evaporation Rate Butyl Acetate: 1.00

Vapor Pressure (mm Hg): n/a

Vapor Density (Air=1): n/a

Appearance and odor: **Blue liquid with mild detergent odor**

10. STABILITY AND REACTIVITY

GENERAL:

Under normal conditions hazardous polymerization will not occur.

MATERIALS TO AVOID: Metals will slowly corrode in aqueous solutions. Keep away from galvanized iron, aluminum, and tin. Boric acid and calcium oxide are incompatible.

INCOMPATIBLE MATERIALS AND CONCITIONS TO AVOID: Heat or direct sunlight. May cause stratification of product if product is subjected to high temperatures. No other harmful effects.

HAZARDOUS DECOMPOSITION PRODUCTS: none Combustion procedures carbon monoxide, carbon dioxide along with thick smoke

11. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

All hazardous materials must be solidified and disposed of in an EPA approved class one facility. When disposing of chemicals, contact local, state, and federal environmental agencies to fully understand the necessary regulations governing the disposal of chemical wastes.

12. TRANSPORTATION INFORMATION

UNHAZARD CLASS: N/A

NMFC 50303

PROPER SHIPPING NAME:

IDENTIFICATION NUMBER:

SHIPPING CLASSIFICATION: 55

DOT Class: Non Regulated

13. REGULATORY INFORMATION:

OSHA STATUS:

This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200. However, thermal processing and decomposition fumes from this product may be hazardous noted in sections 2 and 3.

TSCA STATUS

This product is not listed on TSCA

CERCLA (Comprehensive Responsible Compensation and Liability act)

NOT Reportable

SARA TITLE 111 (Superfund Amendments and Reauthorization act):

Section 312 extremely hazardous substances:

None

Section 311/312 Hazard Categories:

Nonhazardous

Section 313 Toxic Chemicals

None

RCRA STATUS:

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

CALIFORNIA PROP 65

The following statement is made on order to comply with the California Safe Drinking water and Toxic Enforcement Act of 1986. This product contains no chemicals known to the state of California to cause cancer.

14. Other Information

This 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 other process. Such information is to the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the users responsibility to

satisfy himself as to the suitability and completeness of such information for his own particular use.