

## SAFETY DATA SHEET

Date Revised: Dec 1, 2021

### SECTION 1: Product and Company Identification

**Product Name:** FluoLyso™ Green

**Catalog Number:** L4085S, L4085L

**Manufacturer/Supplier:**

UElandy (Suzhou) Co., Ltd.

Room 302-1, Building 1, No.18 Chunyao Road, Caohu Industrial Park, Xiangcheng District, Suzhou, P.R. China

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### SECTION 2: Hazards identification

#### GHS - Classification

**Signal Word** WARNING

**Hazard pictograms** None

**Health hazards** Not Hazardous

#### Physical hazards

GHS Physical Hazard	Flammable liquids
GHS Physical Hazard Category Number	Category 4

**Environmental hazards** Not Hazardous

**Hazard Statements** H227 - Combustible liquid

#### Precautionary Statements

##### Prevention

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P280 - Wear protective gloves/protective clothing/eye protection/face protection

##### Response

P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction

##### Storage

P403 - Store in a well-ventilated place

##### Disposal

P501 - Dispose of contents/ container to an approved waste disposal plant

**Other hazards** Not Applicable

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## HMIS

Health: 1

Flammability: 2

Reactivity: 0

## SECTION 3: Composition/information on ingredients

Component CAS	No EINECS	No Weight %	Component CAS
dimethylsulfoxide	67-68-5 ( 95-100 )	67-68-5 200-664-3 95-100	

We recommend handling all chemicals with caution.

## SECTION 4: First aid measures

### Description of first aid measures

#### Skin contact

Rinse with plenty of water. Immediate medical attention is not required.

#### Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### Ingestion

Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

#### Inhalation

Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

#### Notes to Physician

Treat symptomatically.

#### Most important symptoms and effects, both acute and delayed

H227 - Combustible liquid

#### Indication of any immediate medical attention and special treatment needed

None.

## SECTION 5: Firefighting measures

### Extinguishing media

#### Suitable extinguishing media

Water spray. Carbon dioxide (CO2). Foam. Dry chemical.

#### Unsuitable extinguishing media

No information available.

#### Special hazards arising from the substance or mixture

Not known.

#### Advice for fire-fighters

Standard procedure for chemical fires.

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

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Ensure adequate ventilation

Always wear recommended Personal Protective Equipment

Use personal protection equipment

See Section 8 for more detail

## Environmental precautions

No special environmental precautions required.

## Methods and material for containment and cleaning up

Soak up with inert absorbent material.

## Reference to other sections

See section 8 for more information.

## SECTION 7: Handling and storage

### Precautions for safe handling

Use personal protective equipment as required. No special handling advices are necessary.

### Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.

### Specific end use(s)

For research use only.

## SECTION 8: Exposure controls/personal protection

### Control parameters

Chemical Name	OSHA PEL	OSHA PEL(Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
dimethylsulfoxide	None	None	None	None

Chemical Name	Brazil - OEL - TWAs (LTs)	Brazil - OEL - Ceilings	Brazil - OEL - Skin Designations
dimethylsulfoxide	None	None	None

### Engineering measures

Ensure adequate ventilation, especially in confined areas.

### Exposure controls

### Personal Protective Equipment

#### Respiratory protection

In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

#### Hand protection

Wear suitable gloves. Glove material: Compatible chemical-resistant gloves.

#### Eye protection

Tight sealing safety goggles.

#### Skin and Body Protection

Wear suitable protective clothing.

#### Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice

**Environmental exposure controls**

No special environmental precautions required.

## SECTION 9: Physical and chemical properties

Chemical Name	FluoLyso™ Green
Appearance	Liquid
Odor	No information available
PH	6-8
Melting point/freezing point	°C 18 - 19
Boiling point / boiling range	°C 188 - 190
Flash point	°C 87 - 89
Autoignition Temperature	°C 214 - 216
Decomposition temperature	No information available
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Upper explosion limit	61% - 64%
Lower explosion limit	2.4% - 2.8%
Vapor Pressure	No information available
Relative density	No information available
Solubility	No information available
Partition coefficient: n-octanol/water	No information available
Explosive properties	No information available
Other information	No information available

## SECTION 10: Stability and reactivity

<b>Reactivity</b>	None known.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous reaction has not been reported.
<b>Conditions to avoid</b>	No information available.
<b>Incompatible materials</b>	Strong acids. Strong oxidizing agents.
<b>Hazardous decomposition products</b>	No data available.

## SECTION 11: Toxicological information

**Information on toxicological effects**

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Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
dimethylsulfoxide	14500 mg/kg Oral LD50	>40000 mg/kg bw	>5000 mg/l

## Principal Routes of Exposure

<b>Acute toxicity</b>	Mild skin irritant Mild eye irritation Components of the product may be absorbed into the body through the skin.
<b>Corrosivity</b>	Conclusive but not sufficient for classification
<b>Sensitization</b>	Conclusive but not sufficient for classification
<b>STOT – Single</b>	Exposure Conclusive but not sufficient for classification
<b>STOT - Repeated</b>	Exposure Conclusive but not sufficient for classification
<b>Carcinogenicity</b>	Conclusive but not sufficient for classification
<b>Mutagenicity</b>	Conclusive but not sufficient for classification
<b>Reproductive toxicity</b>	Conclusive but not sufficient for classification
<b>Aspiration hazard</b>	Conclusive but not sufficient for classification

## SECTION 12: Ecological information

<b>Toxicity</b>	Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.
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Chemical Name	Freshwater Algae Data	Water Flea Data	Freshwater Fish Species Data	Microtox Data	log Pow
dimethylsulfoxide	Skeletonema costatum EC5012350 - 25500 mg/L (96 h)	Daphnia species EC50=7000 mg/L (24 h)	No data available	No data available	logPow-2.03

<b>Persistence and degradability</b>	Inherently biodegradable.
<b>Bioaccumulative potential</b>	Material does not bioaccumulate.
<b>Results of PBT and vPvB assessment</b>	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
<b>Other adverse effects</b>	No information available.

## SECTION 13: Disposal considerations

### Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance with approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

## SECTION 14: Transport information

### IATA / ADR / DOT-US / IMDG

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Not classified as dangerous in the meaning of transport regulations

**UN number** Not Applicable

**UN proper shipping name** Not Applicable

**Transport hazard class (es)** Not Applicable

**Packing group** Not Applicable

**Environmental hazards** Not Applicable

**Special precautions for user** Not Applicable

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not Applicable.

## SECTION 15: Regulatory information

<b>Component US TSCA</b>	dimethylsulfoxide
67-68-5 ( 95-100 )	Listed

### US Federal Regulations

#### SARA 313

This product is not regulated by SARA.

#### Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contains HAPs.

### US State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

### WHMIS Hazard Class

B3 - Combustible liquid



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 the CPR.

### National Regulations - Brazil

Chemical Name	CAS-No	Brazil - National Agency for Sanitary Surveillance (ANVISA)	Brazil - National List of Carcinogen Agents to Humans (LINACH)
dimethylsulfoxide	67-68-5	Not Listed	Not Listed

## SECTION 16: Other information

Reason for revision

SDS sections updated

Version no. 1

# US EVERBRIGHT

For research use only. Not for use in diagnostic procedures.

The information provided above is believed to be correct to our best knowledge, but does not purport to be all inclusive, and shall be used only as a guide. This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. UELandy (Suzhou) shall not be held liable for any damage resulting from handling or contact with the above product.