

SAFETY DATA SHEET

Date Revised: May 25, 2022

SECTION 1: Product and Company Identification

Product Name: FluoLyso™ Probes

Catalog Number: See product information sheet

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



Health hazards

Skin Corrosion/Irritation	Category 3
Serious Eye Damage/Eye Irritation	Category 2B
Specific target organ systemic toxicity (single exposure)	Category 3

Physical hazards

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

Hazard Statements

H227 - Combustible liquid

H316 - Causes mild skin irritation

H320 - Causes eye irritation

H335 - May cause respiratory irritation

Precautionary Statements

P312 - Call a POISON CENTER or doctor/physician if you feel unwell

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice/attention

P332 + P313 - If skin irritation occurs: Get medical advice/attention

P264 - Wash hands thoroughly after handling

Principle Routes of Exposure/

Potential Health effects

Eyes	Irritating to eyes.
Skin	Components of the product may be absorbed into the body through the skin irritation.
Inhalation	May cause irritation of respiratory tract.
Ingestion	May be harmful if swallowed.

Specific effects

Carcinogenic effects	not applicable
Mutagenic effects	Substances which cause concern for man owing to possible mutagenic effects but for which the available information is not adequate for making a satisfactory assessment
Reproductive toxicity	not applicable
Sensitization	not applicable
Target Organ Effects	No known effects under normal use conditions

HMIS

Health: 2

Flammability: 2

Reactivity: 0

SECTION 3: Composition/information on ingredients

Chemical Name	CAS-No	EINECS-No	Weight %
dimethylsulfoxide	67-68-5	200-664-3	60-100
FluoLyso™ Probes	NONE	-	<0.1

We recommend handling all chemicals with caution.

SECTION 4: First aid measures

Skin contact	Wash off immediately with plenty of water. If symptoms arise, call a physician
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15



minutes. Consult a physician.

Ingestion

Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.

Inhalation

Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.

Notes to Physician

Treat symptomatically.

SECTION 5: Firefighting measures

Suitable extinguishing media

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

Special hazards arising from the substance or mixture

Wear self-contained breathing apparatus and protective suit.

SECTION 6: Accidental release measures

Personal precautions

Use personal protection equipment

Methods for cleaning up

Soak up with inert absorbent material.

Environmental precautions

Prevent further leakage or spillage if safe to do so.

See Section 12 for additional information.

SECTION 7: Handling and storage

Handling

Avoid contact with skin and eyes. Always wear recommended Personal Protective Equipment.

Storage

Keep in properly labelled containers.

SECTION 8: Exposure controls/personal protection

Exposure limits

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

Engineering measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Personal Protective Equipment requirements are dependent on the user

institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Respiratory protection	In case of insufficient ventilation wear suitable respiratory equipment.
Hand protection	Impervious butyl rubber gloves. Nitrile gloves are not recommended. Some brands of Nitrile gloves have breakthrough times of five minutes.
Eye protection	Safety glasses with side-shields.
Skin and Body Protection	Lightweight protective clothing.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice
Environmental exposure controls	Prevent product from entering drains.

SECTION 9: Physical and chemical properties

Form	Liquid	
Appearance	No information available	
Odor	No information available	
Boiling point / boiling range	°C 189	°F 372
Melting point/range	°C 18.4	°F 65
Flash point	°C 94	°F 201
Autoignition Temperature	°C no data availa	°F no data availabl
Oxidizing properties	No information available.	
Water solubility	soluble	

SECTION 10: Stability and reactivity

Stability	Stable under normal conditions.
Materials to avoid	No information available.
Hazardous decomposition products	No information available.
Polymerization	Hazardous polymerisation does not occur.

SECTION 11: Toxicological information

Acute toxicity

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
dimethylsulfoxide	14500 mg/kg Oral LD50	no data available	no data available
FluoLyso™ Probes	no data available	no data available	no data available

Principle Routes of Exposure/

Potential Health effects

Eyes	Irritating to eyes.
Skin	Components of the product may be absorbed into the body through the skin irritation.
Inhalation	May cause irritation of respiratory tract.
Ingestion	May be harmful if swallowed.
Carcinogenic effects	not applicable
Mutagenic effects	Substances which cause concern for man owing to possible mutagenic effects but for which the available information is not adequate for making a satisfactory assessment
Reproductive toxicity	No information available.
Sensitization	No information available.

SECTION 12: Ecological information

Ecotoxicity effects	Daphnia magna (Water flea)
Mobility	Completely soluble
Biodegradation	Inherently biodegradable
Bioaccumulation	Does not bioaccumulate

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

SECTION 13: Disposal considerations

Dispose of in accordance with local regulations.

SECTION 14: Transport information

IATA

Proper shipping name	Not classified as dangerous in the meaning of transport regulations
Hazard class	none
Subsidiary Class	none
Packing group	none
UN-No	none

SECTION 15: Regulatory information

Component	TSCA
dimethylsulfoxide 67-68-5 (60-100)	Listed
FluoLyso™ Probes NONE (<0.1)	-

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.

U.S. State Regulations

Chemical Name	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK	Illinois - RTK	Rhode Island - RTK
dimethylsulfoxide	-	-	-	-	-
FluoLyso™ Probes	-	-	-	-	-

California Proposition 65

This product does not contain any Proposition 65 chemicals.

WHMIS Hazard Class

D2B Toxic materials

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.

SECTION 16: Other information

Reason for revision

SDS sections updated

Version no. 1

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.