



# SAFETY DATA SHEET

Date Revised: Sep 23, 2022

## SECTION 1: Product and Company Identification

**Product Name:** Oxazole yellow and PI Membrane Permeability Apoptosis Detection Kit (Oxazole yellow dye)

**Catalog Number:** Y6077S, Y6077L

**Manufacturer/Supplier:**

UElandy (Suzhou) Co., Ltd.

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

Phone: 86-512-69571710, mailbox:service@uelandy.com

Web: <http://www.uelandy.com>

## 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

**HMIS**

Health	1
Flammability	2

Reactivity	0
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### SECTION 3: Composition/information on ingredients

Component	CAS No.	Common name	EINECS-No	Weight-%
Organic Sulfoxide	-	-	Listed	98-100

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 (CO<sub>2</sub>). Foam. Dry chemical.

#### Unsuitable extinguishing media

No information available.

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

#### Advice for fire-fighters

Standard procedure for chemical fires.

### SECTION 6: Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area)

Use personal protection equipment

See section 8 for more information

#### 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.

Store at 4°C.

**Specific end use(s)**

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

**SECTION 8: Exposure controls/personal protection**

**Control parameters**

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

Chemical Name	Brazil - OEL - TWAs (LTs)	Brazil - OEL - Ceilings	Brazil - OEL - Skin Designations
Organic Sulfoxide	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 laboratory coat for body protection.

**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**

**Information on basic physical and chemical properties**

<b>Appearance</b>	liquid	
<b>Odor</b>	No data	
<b>Odor Threshold</b>	No data	
<b>pH</b>	6-8	
<b>Molecular Weight</b>	No data	
<b>Melting point / melting range</b>	°C 18-19	°F 64.4 - 66.2
<b>Boiling point / boiling range</b>	°C 188 - 190	°F 370 - 374
<b>Flash point</b>	°C 87 - 89	°F 188.6 - 192.2
<b>Autoignition Temperature</b>	°C 214 - 216	°F 417.2 - 420.8
<b>Decomposition temperature</b>	°C No data	°F No data
<b>Evaporation rate</b>	No data available	
<b>Flammability (solid, gas)</b>	No data available	
<b>Upper explosion limit</b>	No data available	
<b>Lower explosion limit</b>	No data available	
<b>Vapor Pressure</b>	No data available	

<b>Vapor density</b>	No data available
<b>Relative density</b>	No data available
<b>Specific gravity</b>	No data available
<b>Solubility</b>	No data available
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive properties</b>	No data available
<b>Oxidizing properties</b>	No data available
<b>Other information</b>	No data 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 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

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Organic Sulfoxide	14500 mg/kg Oral LD50	>40000 mg/kg bw	>5000 mg/

### Principal Routes of Exposure

<b>Acute toxicity</b>	No information available.
<b>Skin corrosion/irritation</b>	Mild skin irritant Mild eye irritation Components of the product may be absorbed into the body through the skin.
<b>Serious eye damage/irritation</b>	No information available
<b>Respiratory or skin sensitization</b>	No information available
<b>Specific target organ toxicity (STOT) – single exposure</b>	No information available
<b>Specific target organ toxicity (STOT) – repeated exposure</b>	No information available
<b>Carcinogenicity</b>	No information available
<b>Germ cell mutagenicity</b>	No information available
<b>Reproductive toxicity</b>	No information available
<b>Aspiration hazard</b>	No information available

## SECTION 12: Ecological information

### Ecotoxicity

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.



Chemical Name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates	Toxicity to fish	Microtox Data	log Pow
Organic Sulfoxide	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

**Mobility in soil** No information available.

**Persistence and degradability** Inherently biodegradable.

**Bioaccumulative potential** Material does not bioaccumulate.

**Results of PBT and vPvB assessment**  
This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**Other adverse effects** 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

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

Component	US TSCA
Organic Sulfoxide	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 contain 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)
Organic Sulfoxide		Not Listed	Not Listed

**SECTION 16: Other information**

Reason for revision SDS sections updated

Version no. 2

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.



# SAFETY DATA SHEET

Date Revised: Sep 23, 2022

## SECTION 1: Product and Company Identification

**Product Name:** Oxazole yellow and PI Membrane Permeability Apoptosis Detection Kit (Propidium Iodide (PI))

**Catalog Number:** Y6077S, Y6077L

**Manufacturer/Supplier:**

UElandy (Suzhou) Co., Ltd.

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

Phone: 86-512-69571710, mailbox:service@uelandy.com

Web: <http://www.uelandy.com>

## SECTION 2: Hazards identification

**GHS Classification**

**Signal word** None

**Health hazards** None

**Physical hazards** None

**Hazard statements** None

**Precautionary statements** None

**GHS hazard pictogram** None

**WHMIS classification** None

**Classification according to Regulation (EC) No 1272/2008[CLP]** None

**Classification according to Directive 1999/45/EC** None

**Labelling according to Regulation (EC) No 1272/2008[CLP]**

**Hazard pictogram** None

**Signal word** None

**Hazard statements** None

**Precautionary statements** None

**HMIS Classification**

Health hazard: 0

Flammability: 0

Physical hazards: 0

**NFPA Rating**

Health hazard: 0

Fire: 0

Reactivity Hazard: 0



### **SECTION 3: Composition/information on ingredients**

No components present at concentrations classified as hazardous to health or the environment.

### **SECTION 4: First aid measures**

#### **General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

#### **If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### **In case of skin contact**

Wash off with soap and plenty of water. Consult a physician.

#### **In case of eye contact**

Flush eyes with water as a precaution.

#### **If swallowed**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### **SECTION 5: Firefighting measures**

#### **Suitable extinguishing media**

Carbon dioxide, dry chemical extinguishers, foam extinguishers or water.

#### **Special protective equipment for firefighters**

Wear self contained breathing apparatus for firefighting if necessary.

### **SECTION 6: Accidental release measures**

#### **Personal precautions**

Avoid breathing vapors, mist or gas. Remove all sources of ignition.

#### **Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

#### **Methods and materials for containment and cleaning up**

Contain spillage. Soak up spilled substance with inert absorbent material. Keep in suitable, closed containers for disposal.

### **SECTION 7: Handling and storage**

#### **Precautions for safe handling**

Avoid inhalation of vapor or mist.

Avoid direct contact with substance.

#### **Conditions for safe storage**

Keep container tightly closed in a dry and well-ventilated place.

Store at 4°C.

### **SECTION 8: Exposure controls/personal protection**

Components with workplace control parameters None.

#### **Personal protective equipment**

##### **Hand protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and



good laboratory practices. Wash and dry hands.

**Respiratory protection**

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Eye protection**

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**SECTION 9: Physical and chemical properties**

Chemical Name	Propidium Iodide (PI)
Appearance	Liquid
Odor	No information available
Odor threshold	No information available
pH	No information available
Melting point/freezing point	No information available
Boiling point	No information available
Flash point	No information available
Evaporate rate	No information available
Flammability	No information available
Explosive limits	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	No information available
Solubility	Water soluble
Partition coefficient:n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

**SECTION 10: Stability and reactivity**

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

No data available

**Conditions to avoid**

Heat, flames and sparks

**Materials to avoid**

No data available

**Hazardous decomposition products**



Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - no data available

## **SECTION 11: Toxicological information**

**Acute toxicity**

**Oral LD50** None

**Inhalation LC50** None

**Dermal LD50** None

**Other information on acute toxicity** no data available

**Skin corrosion/irritation** no data available

**Serious eye damage/eye irritation** no data available

**Respiratory or skin sensitization** no data available

**Germ cell mutagenicity** no data available

**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity** no data available

**Specific target organ toxicity - single exposure (Globally Harmonized System)**

no data available

**Specific target organ toxicity - repeated exposure (Globally Harmonized System)**

no data available

**Aspiration hazard**

no data available

**Potential health effects**

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion May be harmful if swallowed.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

**Additional Information**

RTECS: None

## **SECTION 12: Ecological information**

**Toxicity** no information available

**Persistence and degradability** no information available

**Biodegradation** no information available

**Mobility in soil** no information available

**Results of PBT and vPvB assessment** no information available



**Other adverse effects** no information available

**Additional information** no information available

### **SECTION 13: Disposal considerations**

Do not dispose product directly into sewage. Consult local state or national regulation for proper disposal.

### **SECTION 14: Transport information**

**IATA, IMDG, DOT (US), TDG** not dangerous good during transportation

UN number none

UN proper shipping name none

Transport hazard class none

Packing group none

Environmental hazards none

Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code None

Special precaution for user none

### **SECTION 15: Regulatory information**

#### **US Federal Regulations**

Us Toxic Substances Control Act (TSCA): Not listed

SARA 302: No chemicals were found.

SARA 313: No chemicals were found.

SARA 311/312 Hazards : No chemicals were found.

### **SECTION 16: Other information**

Reason for revision SDS sections updated

Version no. 2

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