

**SAFTY DATA SHEET**  
**Synlight-Rich™ Kit**

Revision Date: 2026-03-31

**1. Identification****1.1. Product identifier**

Product code SYN-RI0106, SYN-RI0206

Product Name Synlight-Rich™ Kit

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Intended use For research use only (RUO).

**1.3. Details of the supplier of the safety data sheet**Company Name Syncell (Taiwan) Inc.  
14F-1, No. 508, Sec 7, Zhongxiao E. Rd., Nangang Dist.,  
Taipei City 115011, Taiwan**Emergency**24 hour Emergency Telephone No. In case of emergency, contact INFOTRAC at 1-800-535-5053 (within the United States) or +1-352-323-3500 (outside the United States).  
Account number, 116405.

Customer Service: N/A

**2. Hazard(s) identification****2.1. Classification of the substance or mixture**Block 1, Block 2, Photolabel, Quench, Control 1, Control 2, Verify  
No applicable GHS categories.**2.2. Label elements**Block 1, Block 2, Photolabel, Quench, Control 1, Control 2, Verify  
No applicable GHS categories.**[Prevention]**

No applicable GHS categories.

**[Response]**

No applicable GHS categories.



**[Storage]**

No applicable GHS categories.

**[Disposal]**

No applicable GHS categories.

### 3. Composition/information on ingredients

This product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

Block 1			
Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
water CAS Number: 0007732-18-5	75 - 100	Not Classified	----
Block 1 substance CAS Number: —	0.05 - 1.5	Not Classified	----

Block 2			
Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
dimethyl sulfoxide CAS Number: 000067-68-5	50 - 75	Not Classified	----
Block 2 substance CAS Number: —	1 - 25	Not Classified	----

Photolabel			
Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
dimethyl sulfoxide CAS Number: 000067-68-5	75 - 100	Not Classified	----
Photolabel probe CAS Number: —	1 - 5	Not Classified	----

Quench			
Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
water CAS Number: 0007732-18-5	75 - 100	Not Classified	----
Quench mixture CAS Number: —	1 - 10	Not Classified	----

Control 1			
Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
water CAS Number: 0007732-18-5	75 - 100	Not Classified	----
Control 1 mixture CAS Number: —	1 - 5	Not Classified	----



Control 2			
Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
water CAS Number: 0007732-18-5	75 - 100	Not Classified	----
Control 2 mixture CAS Number: —	0.1 - 5	Not Classified	----

Verify			
Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
water CAS Number: 0007732-18-5	75 - 100	Not Classified	----
Verification mixture CAS Number: —	0.1 - 5	Not Classified	----

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

\*PBT/vPvB - PBT-substance or vPvB-substance.

## Section 4. First aid measures

### 4.1. Description of first aid measures

<b>General</b>	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Move victim to fresh air, administer artificial respiration if not breathing. Give oxygen if breathing is difficult. Trained people should give oxygen if breathing is difficult. Get medical attention.
<b>Eyes</b>	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes keeping eyelids open. Seek medical attention.
<b>Skin</b>	Immediately flush skin with plenty of water, while removing contaminated clothing. Obtain medical attention. Launder clothing before reuse. Destroy contaminated shoes.
<b>Ingestion</b>	Seek medical attention immediately DO NOT induce vomiting. Rinse mouth with water. DO NOT administer anything by mouth to an unconscious person. DO NOT leave the victim unattended.

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

<b>Overview</b>	No specific symptom data available. Treat symptomatically. Check section 2.2 (GHS Label Elements) for further details.
<b>Inhalation</b>	



## Section 5. Fire-fighting measures

### 5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, powder, water spray.  
Unsuitable extinguishing media: Do not use; water jet.

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

Hazardous decomposition: Not Defined

### 5.3. Advice for fire-fighters

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full-face piece and protective clothing. People without respiratory protection should leave the area. Wear SCBA during clean-up immediately after fire. No smoking.

Use a water spray to cool exposed containers. Do not release runoff from fire control methods to sewers or waterways. Self-Contained Breathing Apparatus and protective clothing should be worn.

ERG Guide No. ----

## Section 6. Accidental release measures

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

Evacuation area.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

### 6.2. Environmental precautions

Avoid contact of spilled material with soil and prevent runoff entering surface waterways.

### 6.3. Methods and material for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

## Section 7. Handling and storage

### 7.1. Precautions for safe handling

Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Take precautionary measures against static discharges. Ground



and bond container and receiving equipment. Use non-sparking tools. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin. Avoid contact with eyes. Observe good industrial hygiene practices. Use only in well-ventilated areas. Use personal protective equipment as required. Wash hands thoroughly after handling. Launder contaminated clothing before reuse. Avoid environmental contamination.

Check section 2.2 (GHS Label Elements) for further details. - [Prevention]

### 7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials: Not Defined

Keep containers tightly closed when not in use. Store in a cool, dry, well ventilated area. Keep away from heat, sparks, open flame, and oxidizing agents.

Check section 2.2 (GHS Label Elements) for further details. - [Storage]

### 7.3. Specific end use(s)

No available information

## Section 8. Exposure controls / personal protection

### 8.1. Control parameters

#### Exposure

CAS No.	Ingredient	Source	Value
0007732-18-5	water	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
-	Block 1 substance	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
0000067-68-5	dimethyl sulfoxide	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
-	Block 2 substance	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
-	Photolabel probe	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
-	Quench mixture	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
-	Control 1 mixture substance	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
	Control 2 mixture substance	OSHA	No Established Limit



-		ACGIH	No Established Limit
		NIOSH	No Established Limit
-	Verification mixture	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit

## 8.2. Exposure controls

<b>Respiratory</b>	Respiratory protection should not be required for normal use and handling. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
<b>Eyes</b>	Safety goggles or glasses as appropriate for the job.
<b>Skin</b>	Long sleeves and clothing Chemical-resistant impervious gloves should be worn.
<b>Engineering Controls</b>	Not Defined Emergency showers and eye wash stations should be made available.
<b>Other Work Practices</b>	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Check section 2.2 (GHS Label Elements) for further details.

# Section 9. Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

	Block 1	Block 2	Photolabel	Quench
Appearance	Clear Liquid	Clear Liquid	Clear Liquid	Clear Liquid.
Odor		No available information		
Odor threshold		No available information		
pH		No available information		
Melting point / freezing point		No available information		
Initial boiling point and boiling range		No available information		
Flash Point		No available information		
Evaporation rate (Ether = 1)		No available information		
Flammability (solid, gas)		No available information		
Upper/lower flammability or explosive limits		Lower Explosive Limit: No available information Upper Explosive Limit: No available information		
Vapor pressure (Pa)		No available information		
Vapor Density		No available information		
Relative Density		No available information		
Solubility in Water		No available information		
Partition coefficient n-octanol/water (Log Kow)		No available information		
Auto-ignition temperature		No available information		
Decomposition temperature		No available information		



Viscosity (cSt)	No available information
VOC Content	
Oxidising properties	No available information
Explosive properties	No available information

	Control 1	Control 2	Verify
Appearance	Clear Liquid	Transparent light blue Liquid	Clear Liquid
Odor		No available information	
Odor threshold		No available information	
pH		No available information	
Melting point / freezing point		No available information	
Initial boiling point and boiling range		No available information	
Flash Point		No available information	
Evaporation rate (Ether = 1)		No available information	
Flammability (solid, gas)		No available information	
Upper/lower flammability or explosive limits		Lower Explosive Limit: No available information Upper Explosive Limit: No available information	
Vapor pressure (Pa)		No available information	
Vapor Density		No available information	
Relative Density		No available information	
Solubility in Water		No available information	
Partition coefficient n-octanol/water (Log Kow)		No available information	
Auto-ignition temperature		No available information	
Decomposition temperature		No available information	
Viscosity (cSt)		No available information	
VOC Content			
Oxidising properties		No available information	
Explosive properties		No available information	

## 9.2. Other information

No other relevant information.

## Section 10. Stability and reactivity

### 10.1. Reactivity

#### Block 2, Photolabel

Polymerization can occur.

#### Other Components

None known.

### 10.2. Chemical stability

Not Defined

### 10.3. Possibility of hazardous reactions

#### Block 2, Photolabel

Revision Date: 2026-03-31

SC-SDS-RI0106-1 :US

page 7 of 11

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**ADDRESS**

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Hazardous Polymerization may occur.  
 Other Components  
 Hazardous reaction has not been reported.

**10.4. Conditions to avoid**

Not Defined

**10.5. Incompatible materials**

Not Defined

**10.6. Hazardous decomposition products**

Not Defined

**Section 11. Toxicological information**

**Acute toxicity**

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
dimethyl sulfoxide - (67-68-5)	28,300.00, Rat - Category: NA	40,000.00, Rat - Category: NA	> 5.33, Rat - Category: NA	No data available.	No data available.
Block 2 - (-)	No data available.	No data available.	No data available.	No data available.	No data available.
Photolabel probe - (-)	No data available.	No data available.	No data available.	No data available.	No data available.

**Carcinogen Data**

CAS No.	Ingredient	Source	Value
0000067-68-5	dimethyl sulfoxide	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
-	Other components	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable



Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

## Section 12. Ecological information

### 12.1. Toxicity

No additional information is provided for this product. See Section 3 for chemical specific data.

### Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L
dimethyl sulfoxide - (67-68-5)	> 25,000.00, Danio rerio	24,600.00, Daphnia magna	17,000.00, Pseudokirchneriella subcapitata
Other components	No data available.	No data available.	No data available.

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

No available information

### 12.4. Mobility in soil

No available information

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### 12.6. Other adverse effects

No available information

## Section 13. Disposal considerations

### 13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

## Section 14. Transport information



	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Regulated	Not Regulated	Not Regulated
14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard class(es)	DOT Hazard Class: Not Applicable Sub Class: Not Applicable	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable Sub Class: Not Applicable
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable
14.5. Environmental hazards	Marine Pollutant: No;		
14.6. Special precautions for user	No available information		

## Section 15. Regulatory information

**Regulatory Overview** The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

**Toxic Substance Control Act ( TSCA)** All components of this material are either listed or exempt from listing on the TSCA Inventory.

**EPCRA 302 Extremely Hazardous:**  
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**EPCRA 313 Toxic Chemicals:**  
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Carcinogens (>0.0%):**  
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Developmental Toxins (>0.0%):**  
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.



**Proposition 65 - Female Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Male Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 Label Warning:**

This product contains no chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## Section 16. Other information

**Revision Date**        2026-03-31

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H227 Combustible liquid.

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