

SAFTY DATA SHEET
Synlight-Pure™ Cell Kit

Revision Date: 2026-03-31

1. Identification**1.1. Product identifier**

Product code SYN-PR-0101, SYN-PR-0102, SYN-PR-0103
Product Name Synlight-Pure™ Cell Kit (rabbit), Synlight-Pure™ Cell Kit (mouse),
Synlight-Pure™ Cell Kit (rat)

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 2**

H227 Combustible liquid.

Labeling

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May causes respiratory irritation.

Block 1, Bridge (rabbit), Bridge (mouse), Bridge (rat), Enhancer, Detection, Verify
No applicable GHS categories.

2.2. Label elements

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Labeling



Warning

Block 1, Block 2, Bridge (rabbit), Bridge (mouse), Bridge (rat), Enhancer, Detection, Verify
 No applicable GHS categories.

[Prevention]

Labeling

P261 Avoid breathing dust/ fume/ gas/ mist/ vapor/ 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.

Block 1, Block 2, Bridge (rabbit), Bridge (mouse), Bridge (rat), Enhancer, Detection, Verify
 No applicable GHS categories.

[Response]

No applicable GHS categories.

[Storage]

Store at 2-8 °C.

[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	----

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

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

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

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

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

Labeling			
Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Labeling probe CAS Number: —	85 - 99	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.

Section 4. First aid measures

4.1. Description of first aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Move victim to fresh air, administer artificial respiration if not breathing. Get medical attention.
Eyes	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes keeping eyelids open. Seek medical attention.
Skin	Immediately flush skin with plenty of water, while removing contaminated clothing. Obtain medical attention.
Ingestion	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

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

Section 5. Fire-fighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Not Defined

5.3. Advice for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.



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, spars, 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.

Store at 2-8 °C.

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

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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
-	Bridge (rabbit) mixture	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
-	Bridge (mouse) mixture	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
-	Bridge (rat) mixture	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
-	Enhancer mixture	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
-	Detection mixture	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
-	Labeling probe	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

Respiratory

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.

Eyes

Safety goggles or glasses as appropriate for the job.



Skin	Long sleeves and clothing Chemical-resistant impervious gloves should be worn.
Engineering Controls	Not Defined Emergency showers and eye washing stations should be made available.
Other Work Practices	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	Bridge (rabbit)	Bridge (mouse)	Bridge (rat)
Appearance	Clear Liquid	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			No available information		
Oxidising properties			No available information		
Explosive properties			No available information		

	Enhancer	Detection	Labeling	Verify
Appearance	Light yellow	Light blue	White powder	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	No available information
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

Polymerization can occur.

Other Components

None known.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Block 2

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.

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

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

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



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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.

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