

Trade name:

twinlite	glow
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Article number:

6016796	twinlite glow Firefly & Renilla Luciferase Reporter Gene Assay System 10 mL kit
6016799	twinlite glow Firefly & Renilla Luciferase Reporter Gene Assay System 100 mL kit

082023 V1.0

6016796:

Composition		Hazards identification
0RT0401	Firelite glow Lyophilized Substrate	
0RT0421	firelite glow Reconstitution Buffer	
0RT0411	renlite glow Lyophilized Substrate	
0RT0431	renlite glow Reconstitution Buffer	GHS08, H373

6016799:

Composition		Hazards identification
0RT0407	Firelite glow Lyophilized Substrate	
0RT0425	firelite glow Reconstitution Buffer	
0RT0417	renlite glow Lyophilized Substrate	
0RT0435	renlite glow Reconstitution Buffer	GHS08, H373



Safety Data Sheet acc. to OSHA HCS

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Pro	uct identifier	
Tra	e name: firelite glow Lyophilized Substrate	
	le number: 0RT0401, 0RT0407 ication of the substance / the mixture Laboratory chemicals	
Mar Rev Rigo 972. The Pho	ils of the supplier of the safety data sheet ufacturer/Supplier: ity Health Sciences B.V. weg 22 TH Groningen Netherlands ne: 0031 50 5445900 .revvity.com	
Qua SDS Eme +31 CHI	mation department: ity Assurance, Environment, Safety & Health (QA/ESH) Groningen@revvity.com rgency telephone number: 50 5445971 MTREC (within U.S.A. and Canada) 1-800-424-9300 MTREC (from outside U.S.A. and Canada) +1703-527-3887	

2 Hazard(s) identification

· Classification of the substance or mixture

The product is not classified, according to the Globally Harmonized System (GHS).

· Label elements

- · GHS label elements Void
- · Hazard pictograms Void
- · Signal word Void
- · Hazard statements Void
- · Other hazards
- · Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

· Chemical characterization: Mixtures

• Description: Mixture of the substances listed below with nonhazardous additions.

• Dangerous components:

,5 - <i>F</i> nosphinetriyitripropanoic acta	0-2.5%
Acute Toxicity - Oral 4, H302; Skin Irritation 2, H315; Eye Irritation 2A, H319; Specific Target Organ Toxicity - Single Exposure 3, H335	
ous components	
D(+) Trehalose dihydrate	80-100%
Adenosine 5' -triphosphate disodium	2.5-10%
D-luciferine	0-2.5%
Sodium thiosulphate pentahydrate	0-2.5%
sodium chloride	0-1%
	rous components D(+) Trehalose dihydrate Adenosine 5' -triphosphate disodium D-luciferine Sodium thiosulphate pentahydrate

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0-1%

0-1%

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34500-31-7 L-Luciferin

13472-36-1 pyrophosphate tetrasodium decahydrate

• Additional information: For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures

· Description of first aid measures

- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.
- Information for doctor:
- Most important symptoms and effects, both acute and delayed No further relevant information available.
- · Indication of any immediate medical attention and special treatment needed
- No further relevant information available.

5 Fire-fighting measures

- · Extinguishing media
- · Suitable extinguishing agents: Use fire fighting measures that suit the environment.
- · Special hazards arising from the substance or mixture No further relevant information available.
- Advice for firefighters
- · Protective equipment: No special measures required.

6 Accidental release measures

- · Personal precautions, protective equipment and emergency procedures Not required.
- Environmental precautions:
- Do not allow product to reach sewage system or any water course.
- Inform respective authorities in case of seepage into water course or sewage system.
- Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up: Pick up mechanically.

· Reference to other sections

- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.
- Protective Action Criteria for Chemicals

10102-17-7 Sodium thiosulphate pentahydrate	50 mg/m ³
13472-36-1 pyrophosphate tetrasodium decahydrate	8.6 mg/m ²
PAC-2:	· · · · · · · · · · · · · · · · · · ·
10102-17-7 Sodium thiosulphate pentahydrate	550 mg/m ²
13472-36-1 pyrophosphate tetrasodium decahydrate	96 mg/m ³
PAC-3:	
10102-17-7 Sodium thiosulphate pentahydrate	3,300 mg/m
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 580 mg/m^3

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13472-36-1 pyrophosphate tetrasodium decahydrate

7 Handling and storage

- · Handling:
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- · Information about protection against explosions and fires: No special measures required.
- · Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: None.
- Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.
- · Control parameters
- Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Additional information: The lists that were valid during the creation were used as basis.
- · Exposure controls
- · Personal protective equipment:
- General protective and hygienic measures: Wash hands before breaks and at the end of work.
- · Breathing equipment: Not required.
- Protection of hands:



Protective gloves

EN ISO 374-1/Type B

• Material of gloves

Nitrile rubber, NBR

Recommended thickness of the material: $\geq 0.1 \text{ mm}$

Breakthrough time: > 120 minutes

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- Penetration time of glove material
- The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection:



Tightly sealed goggles

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· Body protection: Protective work clothing

Information on basic physical and c General Information Appearance: Form: Color: Odor: Odor threshold: pH-value:	hemical properties Solid White Characteristic Not determined.	
Appearance: Form: Color: Odor: Odor threshold:	<i>White</i> <i>Characteristic</i>	
Form: Color: Odor: Odor threshold:	<i>White</i> <i>Characteristic</i>	
Color: Odor: Odor threshold:	<i>White</i> <i>Characteristic</i>	
Odor: Odor threshold:	Characteristic	
Odor threshold:		
pH-value:		
	Not applicable.	
Change in condition		
Melting point/Melting range:	Undetermined.	
Boiling point/Boiling range:	Undetermined.	
Flash point:	Not applicable.	
Flammability (solid, gaseous):	Not determined.	
Decomposition temperature:	Not determined.	
Auto igniting:	Product is not selfigniting.	
Danger of explosion:	Product does not present an explosion hazard.	
Explosion limits:		
Lower:	Not determined.	
Upper:	Not determined.	
Vapor pressure:	Not applicable.	
Density:	Not determined.	
Relative density	Not determined.	
Vapor density	Not applicable.	
Evaporation rate	Not applicable.	
Solubility in / Miscibility with		
Water:	Soluble.	
Partition coefficient (n-octanol/water): Not determined.		
Viscosity:		
Dynamic:	Not applicable.	
Kinematic:	Not applicable.	
Solvent content:		
<i>VOC content:</i> 0.00 %		

10 Stability and reactivity

• *Reactivity* No further relevant information available.

• Chemical stability

• Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

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- · Possibility of hazardous reactions No dangerous reactions known.
- Conditions to avoid No further relevant information available.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- · Information on toxicological effects
- Acute toxicity:
- · LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimate)

Oral LD50 22,727 mg/kg

· Additional toxicological information:

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

· NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

- · Toxicity
- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- *Mobility in soil* No further relevant information available.
- Additional ecological information:
- · General notes:
- Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow product to reach ground water, water course or sewage system.

- · Results of PBT and vPvB assessment
- *PBT*: Not applicable.
- **vPvB:** Not applicable.
- Other adverse effects No further relevant information available.

13 Disposal considerations

- · Waste treatment methods
- *Recommendation:* Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- · Uncleaned packagings:
- \cdot **Recommendation:** Disposal must be made according to official regulations.

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· Recommended cleansing agent: Water, if necessary with cleansing agents.

UN-Number ADR, IMDG, IATA	Void	
UN proper shipping name	,	
ADR, IMDG, IATA	Void	
Transport hazard class(es)		
ADR, ADN, IMDG, IATA		
Class	Void	
Packing group		
ADR, IMDG, IATA	Void	
Environmental hazards:	Not applicable.	
Special precautions for user	Not applicable.	
Transport in bulk according to Annex	II of	
MARPOL73/78 and the IBC Code	Not applicable.	

15 Regulatory information

• Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.

• Sara

· Section 355 (extremely hazardous substances):

None of the ingredient is listed.

Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

• TSCA (Toxic Substances Control Act):

987-65-5 Adenosine 5' -triphosphate disodium

7647-14-5 sodium chloride

· Hazardous Air Pollutants

None of the ingredients is listed.

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

• Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

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ACTIVE

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· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Carcinogenic categories

· EPA (Environmental Protection Agency)

None of the ingredients is listed.

TLV (Threshold Limit Value)

None of the ingredients is listed.

· MAK (German Maximum Workplace Concentration)

None of the ingredients is listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· GHS label elements Void

- Hazard pictograms Void
- Signal word Void
- · Hazard statements Void
- · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

- H302 Harmful if swallowed. H315 Causes skin irritation.
 - H319 Causes serious eye irritation.
 - H335 May cause respiratory irritation.
- Department issuing SDS: Quality Assurance, Environment, Safety & Health (QA/ESH)

· Contact: SDS.Groningen@revvity.com

- Date of preparation / last revision 08/17/2023
- Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association

- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- VOC: Volatile Organic Compounds (USA, EU)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative
- NIOSH: National Institute for Occupational Safety
- OSHA: Occupational Safety & Health
- TLV: Threshold Limit Value
- PEL: Permissible Exposure Limit
- REL: Recommended Exposure Limit
- Acute Toxicity Oral 4: Acute toxicity Category 4 Skin Irritation 2: Skin corrosion/irritation - Category 2
- Eye Irritation 2A: Serious eye damage/eye irritation Category 2A Specific Target Organ Toxicity Single Exposure 3: Specific target organ toxicity (single exposure) Category 3
- * Data compared to the previous version altered.

Safety Data Sheet acc. to OSHA HCS

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1 Identification · Product identifier • Trade name: firelite glow Reconstitution Buffer · Article number: 0RT0421, 0RT0425 · Application of the substance / the mixture Laboratory chemicals · Details of the supplier of the safety data sheet · Manufacturer/Supplier: Revvity Health Sciences B.V. Rigaweg 22 9723 TH Groningen The Netherlands Phone: 0031 50 5445900 www.revvity.com · Information department: Quality Assurance, Environment, Safety & Health (QA/ESH) SDS.Groningen@revvity.com • Emergency telephone number: +31 50 5445971 CHEMTREC (within U.S.A. and Canada) 1-800-424-9300 CHEMTREC (from outside U.S.A. and Canada) +1703-527-3887

2 Hazard(s) identification

· Classification of the substance or mixture

The product is not classified, according to the Globally Harmonized System (GHS).

· Label elements

- · GHS label elements Void
- · Hazard pictograms Void
- · Signal word Void
- · Hazard statements Void
- · Other hazards
- · Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- vPvB: Not applicable.

3 Composition/information on ingredients

• Chemical characterization: Mixtures

- · Description: Mixture of the substances listed below with nonhazardous additions.
- · Dangerous components: Void

· Non-Dange	rous components	
7732-18-5	water, distilled, conductivity or of similar purity	80-100%
7365-45-9	4-(2-hydroxyethyl)piperazin-1-ylethanesulphonic acid	2.5-10%
6850-28-8	Tris(hydroxymethyl)aminomethaneacetate salt	2.5-10%
7783-20-2	ammonium sulphate	0-1%
77-86-1	Tris(hydroxymethyl)aminomethane	0-1%
9043-30-5	Genapol X-100 Eye Damage 1, H318 Acute Toxicity - Oral 4, H302	0-<1%
		td. on page 2



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	Calcium Chloride Dihydrate	0-1%
	\bigcirc Eye Irritation 2A, H319	
7487-88-9	magnesium sulphate anhydrous	0-1%
6381-92-6	Ethylenediaminetetraacetic acid disodium dihydrate	0-1%
	Specific Target Organ Toxicity - Repeated Exposure 2, H373 Acute Toxicity - Inhalation 4, H332 Aquatic Chronic 3, H412	
· Additional i	nformation: For the wording of the listed hazard phrases refer to section 16.	

• Additional information: For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures

· Description of first aid measures

- · General information: No special measures required.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- · After swallowing: If symptoms persist consult doctor.
- Information for doctor:
- Most important symptoms and effects, both acute and delayed No further relevant information available.
- · Indication of any immediate medical attention and special treatment needed
- No further relevant information available.

5 Fire-fighting measures

- · Extinguishing media
- Suitable extinguishing agents: Use fire fighting measures that suit the environment.
- Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters
- · Protective equipment: No special measures required.

6 Accidental release measures

• *Personal precautions, protective equipment and emergency procedures Not required.* • *Environmental precautions:*

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system. Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

- Methods and material for containment and cleaning up:
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- · Reference to other sections

DIC 1

- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.
- · Protective Action Criteria for Chemicals

• PAC-1:		
7365-45-9	4-(2-hydroxyethyl)piperazin-1-ylethanesulphonic acid	30 mg/m ³
7783-20-2	ammonium sulphate	13 mg/m ³
	(Cor	ntd. on page 3)



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	-	(Contd. of page 2)
77-86-1	Tris(hydroxymethyl)aminomethane	18 mg/m ³
10035-04-8	Calcium Chloride Dihydrate	16 mg/m ³
7487-88-9	magnesium sulphate anhydrous	20 mg/m^3
6381-92-6	Ethylenediaminetetraacetic acid disodium dihydrate	30 mg/m^3
• PAC-2:		
7365-45-9	4-(2-hydroxyethyl)piperazin-1-ylethanesulphonic acid	330 mg/m ³
7783-20-2	ammonium sulphate	140 mg/m ³
77-86-1	Tris(hydroxymethyl)aminomethane	190 mg/m ³
10035-04-8	Calcium Chloride Dihydrate	170 mg/m ³
7487-88-9	magnesium sulphate anhydrous	220 mg/m ³
6381-92-6	Ethylenediaminetetraacetic acid disodium dihydrate	330 mg/m ³
• PAC-3:		
7365-45-9	4-(2-hydroxyethyl)piperazin-1-ylethanesulphonic acid	$2,000 \text{ mg/m}^3$
7783-20-2	ammonium sulphate	840 mg/m ³
77-86-1	Tris(hydroxymethyl)aminomethane	1,200 mg/m ³
10035-04-8	Calcium Chloride Dihydrate	1,100 mg/m ³
7487-88-9	magnesium sulphate anhydrous	1,300 mg/m ³
6381-92-6	Ethylenediaminetetraacetic acid disodium dihydrate	$2,000 \text{ mg/m}^3$

7 Handling and storage

- · Handling:
- Precautions for safe handling No special measures required.
- Information about protection against explosions and fires: No special measures required.
- · Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.
- Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: None.
- *Specific end use(s) No further relevant information available.*

8 Exposure controls/personal protection

• Additional information about design of technical systems: No further data; see item 7.

- · Control parameters
- · Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- Additional information: The lists that were valid during the creation were used as basis.
- · Exposure controls
- · Personal protective equipment:
- · General protective and hygienic measures:
- The usual precautionary measures for handling chemicals should be followed.
- Breathing equipment: Not required.

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(Contd. of page 3) · Protection of hands: Protective gloves EN ISO 374-1/Type B · Material of gloves Nitrile rubber, NBR Recommended thickness of the material: $\geq 0.1 \text{ mm}$ *Breakthrough time:* > 120 *minutes* The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. • Eye protection: Tightly sealed goggles Body protection: Protective work clothing 9 Physical and chemical properties · Information on basic physical and chemical properties General Information · Appearance: Form: Fluid Color: Colorless · Odor: Characteristic · Odor threshold: Not determined. • *pH-value at 20* °*C* (68 °*F*): 7 · Change in condition Melting point/Melting range: Undetermined. Boiling point/Boiling range: 100 °C (212 °F) · Flash point: Not applicable. · Flammability (solid, gaseous): Not applicable. · Decomposition temperature: Not determined. • Auto igniting: Product is not selfigniting. · Danger of explosion: Product does not present an explosion hazard. · Explosion limits: Lower: Not determined. Upper: Not determined. 23 hPa (17.3 mm Hg) • Vapor pressure at 20 °C (68 °F):

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· Density:	Not determined.	
· Relative density	Not determined.	
· Vapor density	Not determined.	
· Evaporation rate	Not determined.	
· Solubility in / Miscibility with		
Water:	Fully miscible.	
· Partition coefficient (n-octanol/wa	n ter): Not determined.	
· Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
· Solvent content:		
VOC content:	0.00 %	
• Other information	No further relevant information available.	

10 Stability and reactivity

· Reactivity No further relevant information available.

- · Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

· Information on toxicological effects

• Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

· NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

· Toxicity

· Aquatic toxicity: No further relevant information available.

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Trade name: firelite glow Reconstitution Buffer

· Persistence and degradability No further relevant information available.

· Behavior in environmental systems:

· *Bioaccumulative potential* No further relevant information available.

- *Mobility in soil* No further relevant information available.
- · Additional ecological information:
- · General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

- Do not allow product to reach ground water, water course or sewage system.
- · Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- Other adverse effects No further relevant information available.

13 Disposal considerations

· Waste treatment methods

· Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packagings:
- *Recommendation: Disposal must be made according to official regulations.*
- Recommended cleansing agent: Water, if necessary with cleansing agents.

UN-Number ADR, IMDG, IATA	Void	
UN proper shipping name ADR, IMDG, IATA	Void	
Transport hazard class(es)		
ADR, ADN, IMDG, IATA Class	Void	
Packing group ADR, IMDG, IATA	Void	
Environmental hazards:	Not applicable.	
Special precautions for user	Not applicable.	
Transport in bulk according to Annex MARPOL73/78 and the IBC Code	II of Not applicable.	
UN "Model Regulation":	Void	

15 Regulatory information

• Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.

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Sara	(Contd. of page
Sura Section 355 (extremely hazardous substances):	
None of the ingredient is listed.	
Section 313 (Specific toxic chemical listings):	
7783-20-2 ammonium sulphate	
• TSCA (Toxic Substances Control Act):	
7732-18-5 water, distilled, conductivity or of similar purity	ACTIVI
7365-45-9 4-(2-hydroxyethyl)piperazin-1-ylethanesulphonic acid	ACTIVI
6850-28-8 Tris(hydroxymethyl)aminomethaneacetate salt	ACTIVI
7783-20-2 ammonium sulphate	ACTIVI
77-86-1 Tris(hydroxymethyl)aminomethane	ACTIVI
Hazardous Air Pollutants	
None of the ingredients is listed.	
Proposition 65	
Chemicals known to cause cancer:	
None of the ingredients is listed.	
Chemicals known to cause reproductive toxicity for females:	
None of the ingredients is listed.	
Chemicals known to cause reproductive toxicity for males:	
None of the ingredients is listed.	
Chemicals known to cause developmental toxicity:	
None of the ingredients is listed.	
Carcinogenic categories	
• EPA (Environmental Protection Agency)	
None of the ingredients is listed.	
TLV (Threshold Limit Value)	
None of the ingredients is listed.	
MAK (German Maximum Workplace Concentration)	
None of the ingredients is listed.	
NIOSH-Ca (National Institute for Occupational Safety and Health)	
None of the ingredients is listed.	
• GHS label elements Void • Hazard pictograms Void	

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

H302 Harmful if swallowed. H318 Causes serious eye damage.

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Reviewed on 08/16/2023

Trade name: firelite glow Reconstitution Buffer

(Contd. of page 7) H319 Causes serious eye irritation. H332 Harmful if inhaled. H373 May cause damage to organs through prolonged or repeated exposure. H412 Harmful to aquatic life with long lasting effects. · Department issuing SDS: Quality Assurance, Environment, Safety & Health (QA/ESH) · Contact: SDS.Groningen@revvity.com • Date of preparation / last revision 08/16/2023 · Abbreviations and acronyms: ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU) PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit • * Data compared to the previous version altered.

Safety Data Sheet acc. to OSHA HCS

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Reviewed on 08/21/2023

Product ide	ifier	
Trade name	renlite glow Lyophilized Substrate	
Article nun	er: 0RT0411, 0RT0417	
CAS Numb	:	
128446-35-		
ELINCS N	nber:	
420-920-1		
Application	f the substance / the mixture Laboratory che	nicals
Details of t	supplier of the safety data sheet	
Manufactu		
	h Sciences B.V.	
Rigaweg 22		
9723 TH G	ningen	
The Netheri	nds	
Phone: 003	50 5445900	
www.revvity	com	
Information	lepartment:	
	ance, Environment, Safety & Health (QA/ESH	()
	en@revvity.com	,
	lephone number:	
+31 50 544		
CHEMTRE	(within U.S.A. and Canada) 1-800-424-9300	

2 Hazard(s) identification

· Classification of the substance or mixture

The substance is not classified, according to the Globally Harmonized System (GHS).

- · Label elements
- · GHS label elements Void
- · Hazard pictograms Void
- · Signal word Void
- · Hazard statements Void
- · Other hazards
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.

3 Composition/information on ingredients

- · Chemical characterization: Substances
- · CAS No. Description
- 128446-35-5 (2-Hydroxypropyl)-β-cyclodextrin <100%
- · Identification number(s)
- · ELINCS Number: 420-920-1

4 First-aid measures

- · Description of first aid measures
- · General information: No special measures required.

 $(Contd. \ on \ page \ 2)$

Safety Data Sheet acc. to OSHA HCS

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(Contd. of page 1)

Trade name: renlite glow Lyophilized Substrate

• After inhalation: Supply fresh air; consult doctor in case of complaints.

• After skin contact: Generally the product does not irritate the skin.

· After eye contact: Rinse opened eye for several minutes under running water.

· After swallowing: If symptoms persist consult doctor.

- · Information for doctor:
- Most important symptoms and effects, both acute and delayed No further relevant information available.
- · Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

- Extinguishing media
- Suitable extinguishing agents: Use fire fighting measures that suit the environment.
- Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters
- · Protective equipment: No special measures required.

6 Accidental release measures

- · Personal precautions, protective equipment and emergency procedures Not required.
- Environmental precautions:
- Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

• Methods and material for containment and cleaning up: Pick up mechanically.

· Reference to other sections

- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.
- · Protective Action Criteria for Chemicals

· PAC-1:

None of the ingredients is listed.

PAC-2:

None of the ingredients is listed.

· PAC-3:

None of the ingredients is listed.

7 Handling and storage

- · Handling:
- · Precautions for safe handling No special measures required.
- · Information about protection against explosions and fires: No special measures required.
- · Conditions for safe storage, including any incompatibilities

• Storage:

- Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: None.

(Contd. on page 3) - US

Printing date 08/21/2023

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Reviewed on 08/21/2023

(Contd. of page 2)

Trade name: renlite glow Lyophilized Substrate

· Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

• Additional information about design of technical systems: No further data; see item 7.

- · Control parameters
- Components with limit values that require monitoring at the workplace: Not required.
- Additional information: The lists that were valid during the creation were used as basis.
- · Exposure controls
- · Personal protective equipment:
- General protective and hygienic measures:
- The usual precautionary measures for handling chemicals should be followed.
- · Breathing equipment: Not required.
- Protection of hands:



Protective gloves

EN ISO 374-1/Type B

- Material of gloves
- Nitrile rubber, NBR

Recommended thickness of the material: $\geq 0.1 \text{ mm}$

Breakthrough time: > 120 minutes

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

• *Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.*

• Eye protection:

Tightly sealed goggles

· Body protection: Protective work clothing

Information on basic physical and chemical properties General Information		
Appearance:		
Form:	Solid	
Color:	White	
Odor:	Characteristic	
Odor threshold:	Not determined.	
pH-value:	Not applicable.	
Change in condition		
Melting point/Melting range:	305 °C (581 °F)	
		(Contd. on page

Printing date 08/21/2023

Reviewed on 08/21/2023

Trade name: renlite glow Lyophilized Substrate

		(Contd. of page 3
Boiling point/Boiling range:	Undetermined.	
· Flash point:	Not applicable.	
· Flammability (solid, gaseous):	Product is not flammable.	
• Decomposition temperature:	Not determined.	
· Auto igniting:	Not determined.	
· Danger of explosion:	Product does not present an explosion hazard.	
· Explosion limits:		
Lower:	Not determined.	
Upper:	Not determined.	
· Vapor pressure:	Not applicable.	
· Density:	Not determined.	
Relative density	Not determined.	
· Vapor density	Not applicable.	
· Evaporation rate	Not applicable.	
· Solubility in / Miscibility with		
Water:	Soluble.	
· Partition coefficient (n-octanol/wa	ter): Not determined.	
· Viscosity:		
Dynamic:	Not applicable.	
Kinematic:	Not applicable.	
VOC content:	0.00 %	
• Other information	No further relevant information available.	

10 Stability and reactivity

· Reactivity No further relevant information available.

- · Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

· Information on toxicological effects

- Additional toxicological information:
- When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us. The substance is not subject to classification.

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

(Contd. on page 5)



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Reviewed on 08/21/2023

(Contd. of page 4)

Trade name: renlite glow Lyophilized Substrate

· NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

· Toxicity

- Aquatic toxicity: No further relevant information available.
- Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- · Additional ecological information:

· General notes:

Water hazard class 1 (Assessment by list): slightly hazardous for water

Do not allow product to reach ground water, water course or sewage system.

- · Results of PBT and vPvB assessment
- *PBT:* Not applicable.
- **vPvB:** Not applicable.
- · Other adverse effects No further relevant information available.

13 Disposal considerations

- · Waste treatment methods
- · Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packagings:
- *Recommendation: Disposal must be made according to official regulations.*
- · Recommended cleansing agent: Water, if necessary with cleansing agents.

UN-Number ADR, IMDG, IATA	Void	
UN proper shipping name ADR, IMDG, IATA	Void	
Transport hazard class(es)		
ADR, ADN, IMDG, IATA Class	Void	
Packing group ADR, IMDG, IATA	Void	
Environmental hazards:	Not applicable.	
Special precautions for user	Not applicable.	

Safety Data Sheet acc. to OSHA HCS

Printing date 08/21/2023

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(Contd. of page 5)

Trade name: renlite glow Lyophilized Substrate

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

• UN "Model Regulation":

Not applicable. Void

15 Regulatory information

• Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.

• Sara

Section 355 (extremely hazardous substances):

None of the ingredient is listed.

Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

• TSCA (Toxic Substances Control Act):

ACTIVE

· Hazardous Air Pollutants

None of the ingredients is listed.

· Proposition 65

• Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

• Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Carcinogenic categories

· EPA (Environmental Protection Agency)

None of the ingredients is listed.

· TLV (Threshold Limit Value)

None of the ingredients is listed.

· MAK (German Maximum Workplace Concentration)

None of the ingredients is listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· GHS label elements Void

• Hazard pictograms Void

• **Signal word** Void

• Hazard statements Void

• Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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Reviewed on 08/21/2023

Trade name: renlite glow Lyophilized Substrate

(Contd. of page 6)

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing SDS: Quality Assurance, Environment, Safety & Health (QA/ESH)

- · Contact: SDS.Groningen@revvity.com
- Date of preparation / last revision 08/21/2023
- Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU) PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit • * Data compared to the previous version altered.

Safety Data Sheet acc. to OSHA HCS

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Printing date 08/18/2023

Reviewed on 08/18/2023

1 Identification · Product identifier • Trade name: renlite glow Reconstitution Buffer · Article number: 0RT0431, 0RT0435 · Application of the substance / the mixture Laboratory chemicals · Details of the supplier of the safety data sheet · Manufacturer/Supplier: Revvity Health Sciences B.V. Rigaweg 22 9723 TH Groningen The Netherlands Phone: 0031 50 5445900 www.revvity.com · Information department: Quality Assurance, Environment, Safety & Health (QA/ESH) SDS.Groningen@revvity.com · Emergency telephone number: +31 50 5445971 CHEMTREC (within U.S.A. and Canada) 1-800-424-9300 CHEMTREC (from outside U.S.A. and Canada) +1703-527-3887 2 Hazard(s) identification Classification of the substance or mixture GHS08 Health hazard Specific Target Organ Toxicity - Repeated Exposure 2 H373 May cause damage to organs through prolonged or repeated exposure. · Label elements · GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS). · Hazard pictograms GHS08 · Signal word Warning · Hazard-determining components of labeling: Kalium jodide · Hazard statements H373 May cause damage to organs through prolonged or repeated exposure. · Precautionary statements P260 Do not breathe dust/fume/gas/mist/vapors/spray. P314 Get medical advice/attention if you feel unwell. P501 Dispose of contents/container in accordance with local/regional/national/international regulations. · Other hazards

- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.

(Contd. on page 2)

[–] US

Safety Data Sheet acc. to OSHA HCS

Printing date 08/18/2023

Reviewed on 08/18/2023

(Contd. of page 1)

Trade name: renlite glow Reconstitution Buffer

· vPvB: Not applicable.

3 Composition/information on ingredients

· Chemical characterization: Mixtures

· Description: Mixture of the substances listed below with nonhazardous additions.

7681-11-0 K	alium jodide	0-2.5%
	Specific Target Organ Toxicity - Repeated Exposure 1, H372	
Non-Danger	ous components	
7732-18-5	water, distilled, conductivity or of similar purity	80-100%
128446-35-5	(2-Hydroxypropyl)-β-cyclodextrin	2.5-10%
125572-95-4	trans-1,2-Diaminocyclohexane-N,N,N',N'-tetraacetic acid monohydrate Skin Irritation 2, H315; Eye Irritation 2A, H319	0-1%
9002-92-0	Polyethylene glycol dodecyl ether Eye Damage 1, H318 Acute Toxicity - Oral 4, H302	0-<1%
13472-36-1	pyrophosphate tetrasodium decahydrate	0-1%
10102-17-7	Sodium thiosulphate pentahydrate	0-1%
1310-73-2	Sodium hydroxide Corrosive to Metals 1, H290; Skin Corrosion 1A, H314	0-<0.5%

4 First-aid measures

· Description of first aid measures

- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- *After skin contact: Generally the product does not irritate the skin.*
- · After eye contact: Rinse opened eye for several minutes under running water.
- · After swallowing: If symptoms persist consult doctor.
- Information for doctor:
- · Most important symptoms and effects, both acute and delayed No further relevant information available.
- Indication of any immediate medical attention and special treatment needed
- No further relevant information available.

5 Fire-fighting measures

- · Extinguishing media
- Suitable extinguishing agents: Use fire fighting measures that suit the environment.
- Special hazards arising from the substance or mixture No further relevant information available.
- Advice for firefighters
- · Protective equipment: No special measures required.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures Not required.

(Contd. on page 3)

_____U

· PAC-1:

· PAC-2:

· PAC-3:

Safety Data Sheet acc. to OSHA HCS

Printing date 08/18/2023

· Environmental precautions:

Reviewed on 08/18/2023

(Contd. of page 2)

Trade name: renlite glow Reconstitution Buffer

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system. Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water. • Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). · Reference to other sections See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information. · Protective Action Criteria for Chemicals 7681-11-0 Kalium jodide 1.3 mg/m³ 9002-92-0 Polyethylene glycol dodecyl ether 2.9 mg/m^3 13472-36-1 pyrophosphate tetrasodium decahydrate $8.6 \, mg/m^3$ 10102-17-7 Sodium thiosulphate pentahydrate 50 mg/m^3 1310-73-2 Sodium hydroxide $0.5 \ mg/m^3$ 7681-11-0 Kalium jodide 15 mg/m³ 9002-92-0 Polyethylene glycol dodecyl ether 31 mg/m³ 13472-36-1 pyrophosphate tetrasodium decahydrate 96 mg/m^3 10102-17-7 Sodium thiosulphate pentahydrate 550 mg/m³ 1310-73-2 Sodium hydroxide 5 mg/m^3 87 mg/m^3 7681-11-0 Kalium jodide 9002-92-0 Polyethylene glycol dodecyl ether 200 mg/m³

10102-17-7 Sodium thiosulphate pentahydrate 1310-73-2 Sodium hydroxide

7 Handling and storage

- · Handling:
- · Precautions for safe handling No special precautions are necessary if used correctly.
- · Information about protection against explosions and fires: No special measures required.
- · Conditions for safe storage, including any incompatibilities
- · Storage:
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: None.

13472-36-1 pyrophosphate tetrasodium decahydrate

· Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

• Additional information about design of technical systems: No further data; see item 7.

(Contd. on page 4)

580 mg/m³

 50 mg/m^3

 $3,300 \text{ mg/m}^3$

US

Safety Data Sheet acc. to OSHA HCS

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Reviewed on 08/18/2023

Trade name: renlite glow Reconstitution Buffer

(Contd. of page 3) · Control parameters · Components with limit values that require monitoring at the workplace: 7681-11-0 Kalium jodide TLV Long-term value: 0.01 ppm A4; Skin; *inhalation • Additional information: The lists that were valid during the creation were used as basis. · Exposure controls · Personal protective equipment: · General protective and hygienic measures: Wash hands before breaks and at the end of work. · Breathing equipment: Not required. · Protection of hands: Protective gloves EN ISO 374-1/Type B · Material of gloves Nitrile rubber, NBR Recommended thickness of the material: $\geq 0.1 \text{ mm}$ Breakthrough time: > 120 minutes The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. · Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. · Eye protection: Tightly sealed goggles · **Body protection:** Protective work clothing 9 Physical and chemical properties · Information on basic physical and chemical properties · General Information · Appearance: Fluid Form:

Color: • Odor: • Odor threshold:	Colorless Characteristic Not determined.
· pH-value at 20 °C (68 °F):	4.6
• Change in condition Melting point/Melting range: Boiling point/Boiling range:	Undetermined. 100 °C (212 °F)

(Contd. on page 5)

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Reviewed on 08/18/2023

Trade name: renlite glow Reconstitution Buffer

		(Contd. of page 4
· Flash point:	Not applicable.	
· Flammability (solid, gaseous):	Not applicable.	
• Decomposition temperature:	Not determined.	
· Auto igniting:	Product is not selfigniting.	
Danger of explosion:	Product does not present an explosion hazard.	
· Explosion limits: Lower: Upper:	Not determined. Not determined.	
· Vapor pressure at 20 °C (68 °F):	23 hPa (17.3 mm Hg)	
· Density: · Relative density · Vapor density · Evaporation rate	Not determined. Not determined. Not determined. Not determined.	
• Solubility in / Miscibility with Water:	Fully miscible.	
· Partition coefficient (n-octanol/wate	er): Not determined.	
· Viscosity: Dynamic: Kinematic:	Not determined. Not determined.	
Solvent content: VOC content:	0.00 %	
• Other information	No further relevant information available.	

10 Stability and reactivity

· Reactivity No further relevant information available.

- · Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

· Information on toxicological effects

· Additional toxicological information:

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

· NTP (National Toxicology Program)

None of the ingredients is listed.

(Contd. on page 6)

US -

Safety Data Sheet acc. to OSHA HCS

Printing date 08/18/2023

Reviewed on 08/18/2023

(Contd. of page 5)

Trade name: renlite glow Reconstitution Buffer

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

• Toxicity

- Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- $\cdot \textit{Bioaccumulative potential No further relevant information available}.$
- \cdot **Mobility in soil** No further relevant information available.
- · Additional ecological information:
- · General notes: Do not allow product to reach ground water, water course or sewage system.
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- **vPvB:** Not applicable.
- \cdot Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods

Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packagings:

- \cdot **Recommendation:** Disposal must be made according to official regulations.
- Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

UN-Number ADR, IMDG, IATA	Void	
· UN proper shipping name · ADR, IMDG, IATA	Void	
Transport hazard class(es)		
ADR, ADN, IMDG, IATA Class	Void	
Packing group ADR, IMDG, IATA	Void	
Environmental hazards:	Not applicable.	
Special precautions for user	Not applicable.	
• Transport in bulk according to Annex I MARPOL73/78 and the IBC Code	II of Not applicable.	
		(Contd. on page

Printing date 08/18/2023

Trade name: renlite glow Reconstitution Buffer

· UN "Model Regulation":

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.

Void

· Sara

• Section 355 (extremely hazardous substances):

None of the ingredient is listed.

Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

· TSCA (Toxic Substances Control Act):

7732-18-5	water, distilled, conductivity or of similar purity	ACTIVE
128446-35-5	(2-Hydroxypropyl)-β-cyclodextrin	ACTIVE
7681-11-0	Kalium jodide	ACTIVE
		ACTIVE
1310-73-2	Sodium hydroxide	ACTIVE

· Hazardous Air Pollutants

None of the ingredients is listed.

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Carcinogenic categories

· EPA (Environmental Protection Agency)

None of the ingredients is listed.

• TLV (Threshold Limit Value)

None of the ingredients is listed.

· MAK (German Maximum Workplace Concentration)

None of the ingredients is listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

(Contd. on page 8)

Reviewed on 08/18/2023

(Contd. of page 6)

IEM

Printing date 08/18/2023

Reviewed on 08/18/2023

(Contd. of page 7)

Trade name: renlite glow Reconstitution Buffer

• Hazard pictograms



· Signal word Warning

- *Hazard-determining components of labeling: Kalium jodide*
- · Hazard statements
- H373 May cause damage to organs through prolonged or repeated exposure.
- · Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P314 Get medical advice/attention if you feel unwell.

- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

H290 May be corrosive to metals.

- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.

H372 Causes damage to organs through prolonged or repeated exposure.

· Department issuing SDS: Quality Assurance, Environment, Safety & Health (QA/ESH)

- · Contact: SDS.Groningen@revvity.com
- Date of preparation / last revision 08/18/2023
- Abbreviations and acronyms:

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- IATA: International Air Transport Association
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- VOC: Volatile Organic Compounds (USA, EU)
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety
- OSHA: Occupational Safety & Health
- TLV: Threshold Limit Value
- PEL: Permissible Exposure Limit
- REL: Recommended Exposure Limit

Specific Target Organ Toxicity - Repeated Exposure 1: Specific target organ toxicity (repeated exposure) – Category 1 Specific Target Organ Toxicity - Repeated Exposure 2: Specific target organ toxicity (repeated exposure) – Category 2

* Data compared to the previous version altered.