

Trade name:

**twinlite**

Article number:

6066706 twinlite Firefly & Renilla Luciferase Reporter Gene Assay System 100 assay kit

6066709 twinlite Firefly & Renilla Luciferase Reporter Gene Assay System 1000 assay kit

122023 V1.0

**6066706:**

Composition		Hazards identification
ORT0331	Passive Lysis Solution	
ORT0301	firelite plus Reconstitution Buffer	
ORT0315	firelite plus Lyophilized Substrate	
ORT0351	renlite plus Buffer	GHS08, H373
ORT0361	renlite plus Substrate (50X)	GHS02, H225

**6066709:**

Composition		Hazards identification
ORT0335	Passive Lysis Solution	
ORT0306	firelite plus Reconstitution Buffer	
ORT0317	firelite plus Lyophilized Substrate	
ORT0355	renlite plus Buffer	GHS08, H373
ORT0364	renlite plus Substrate (50X)	GHS02, H225

**Safety Data Sheet**  
according to WHS Regulations

Printing date 11.12.2023

Version number 1

Revision: 11.12.2023

Hazardous according to criteria of Australian Safety and Compensation Council.

**1 Identification**

- **Product identifier**
- **Trade name:** renlite plus Buffer
- **Article number:** 0RT0351, 0RT0355
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **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  
Australian contact address:  
Revvity  
Level 2 ,Building C, Tenancy A,  
211 Wellington Road,  
Mulgrave,  
VIC 3170  
Australia  
Phone: +613 9212 8500
- **Further information obtainable from:**  
Quality Assurance, Environment, Safety & Health (QA/ESH)  
SDS.Groningen@revvity.com
- **Emergency telephone number:**  
+31 50 5445971  
CHEMTREC (within Australia) +(61)-290372994  
CHEMTREC (from outside Australia) +1 703-527-3887

**2 Hazard(s) Identification**

- **Classification of the substance or mixture**



GHS08 health hazard

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

- **Label elements**
- **GHS label elements**  
The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**



GHS08

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**Trade name: renlite plus Buffer**


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- **Signal word** Warning
- **Hazard-determining components of labelling:**  
Kalium jodide (0-2.5 %)
- **Hazard statements**  
H373 May cause damage to organs through prolonged or repeated exposure.
- **Precautionary statements**  
P260 Do not breathe dust/fume/gas/mist/vapours/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.
- **vPvB:** Not applicable.



**3 Composition and Information on Ingredients**

- **Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

7681-11-0	Kalium jodide	 STOT RE 1, H372	0-2.5%
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· **Non-dangerous components**

7732-18-5	water, distilled, conductivity or of similar purity		80-100%
7447-40-7	potassium chloride		2.5-10%
128446-35-5	(2-Hydroxypropyl)-β-cyclodextrin		2.5-10%
10102-17-7	Sodium thiosulphate pentahydrate		0-1%
125572-95-4	trans-1,2-Diaminocyclohexane-N,N,N',N'-tetraacetic acid monohydrate		0-1%
	 Skin Irrit. 2, H315; Serious eye damage/irritation – Category 2A, H319		
13472-36-1	pyrophosphate tetrasodium decahydrate		0-1%
1310-73-2	Sodium hydroxide		0-<0.5%
	 Met. Corr.1, H290; Skin Corr. 1A, H314		

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

**4 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**

- **Suitable extinguishing agents:**  
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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- **Special hazards arising from the substance or mixture** No further relevant information available.
- **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:**
  - 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.

### 7 Handling and Storage

- **Handling:**
  - **Precautions for safe handling** No special measures required.
  - **Information about fire - and explosion protection:** No special measures required.
- **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 and personal protection

- **Additional information about design of technical facilities:** No further data; see section 7.
- **Ingredients 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 valid during the making were used as basis.
- **Personal protective equipment:**
  - **General protective and hygienic measures:**
    - The usual precautionary measures are to be adhered to when handling chemicals.
  - **Respiratory protection:** Not required.
  - **Protection of hands:**



Protective gloves

EN ISO 374-1/Type B

- **Material of gloves**
  - Nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0.1$  mmBreakthrough time:  $> 120$  minutes

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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

**9 Physical and Chemical Properties**

· **General Information**

· **Appearance:**

- **Form:** Fluid
- **Colour:** Colourless
- **Odour:** Characteristic
- **Odour threshold:** Not determined.
- **pH-value:** Not determined.

· **Change in condition**

- **Melting point/freezing point:** Undetermined.
- **Initial boiling point and boiling range:** 100 °C
- **Flash point:** Not applicable.
- **Flammability (solid, gas):** Not applicable.
- **Decomposition temperature:** Not determined.
- **Ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product does not present an explosion hazard.

· **Explosion limits:**

- **Lower:** Not determined.
- **Upper:** Not determined.
- **Vapour pressure:** Not determined.
- **Density:** Not determined.
- **Relative density** Not determined.
- **Vapour density** Not determined.
- **Evaporation rate** Not determined.

· **Solubility in / Miscibility with**

- **water:** Fully miscible.
- **Partition coefficient: n-octanol/water:** Not determined.
- **Viscosity:**
- **Dynamic:** Not determined.
- **Kinematic:** Not determined.

· **Solvent content:**

- **Water:** ,

· **Other information**

No further relevant information available.

**10 Stability and Reactivity**

- **Reactivity** No further relevant information available.

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- **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**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure**  
May cause damage to organs through prolonged or repeated exposure.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

### 12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour 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 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it 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 together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

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**14 Transport information**

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

**15 Regulatory information**

· Safety, health and environmental regulations/legislation specific for the substance or mixture

· Australian Inventory of Industrial Chemicals

7732-18-5	water, distilled, conductivity or of similar purity
7447-40-7	potassium chloride
128446-35-5	(2-Hydroxypropyl)- $\beta$ -cyclodextrin
7681-11-0	Kalium jodide
10102-17-7	Sodium thiosulphate pentahydrate
13472-36-1	pyrophosphate tetrasodium decahydrate
1310-73-2	Sodium hydroxide

· Standard for the Uniform Scheduling of Medicines and Poisons

7447-40-7	potassium chloride	S4
1310-73-2	Sodium hydroxide	S5, S6, S10

· Australia: Priority Existing Chemicals

None of the ingredients is listed.

· GHS label elements

The product is classified and labelled according to the Globally Harmonised System (GHS).

· Hazard pictograms



GHS08

· Signal word Warning

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**Trade name: renlite plus Buffer**

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- **Hazard-determining components of labelling:**  
Kalium jodide (0-2.5 %)
- **Hazard statements**  
H373 May cause damage to organs through prolonged or repeated exposure.
- **Precautionary statements**  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P314 Get medical advice/attention if you feel unwell.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **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.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
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
- **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)  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1  
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
- **\* Data compared to the previous version altered.**



**Safety Data Sheet**  
according to WHS Regulations

Printing date 13.10.2023

Version number 4

Revision: 13.10.2023

Hazardous according to criteria of Australian Safety and Compensation Council.

**1 Identification**

- **Product identifier**
- **Trade name:** renlite plus Substrate (50X)
- **Article number:** 0RT0361, 0RT0364
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **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  
Australian contact address:  
Revvity  
Level 2 ,Building C, Tenancy A,  
211 Wellington Road,  
Mulgrave,  
VIC 3170  
Australia  
Phone: +613 9212 8500
- **Further information obtainable from:**  
Quality Assurance, Environment, Safety & Health (QA/ESH)  
SDS.Groningen@revvity.com
- **Emergency telephone number:**  
+31 50 5445971  
CHEMTREC (within Australia) +(61)-290372994  
CHEMTREC (from outside Australia) +1 703-527-3887

**2 Hazard(s) Identification**

- **Classification of the substance or mixture**



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

- **Label elements**
- **GHS label elements**  
The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**



GHS02

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**Trade name: renlite plus Substrate (50X)**


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- **Signal word** *Danger*
- **Hazard statements**  
*H225 Highly flammable liquid and vapour.*
- **Precautionary statements**  
  - P210 *Keep away from heat/sparks/open flames/hot surfaces. No smoking.*
  - P240 *Ground/bond container and receiving equipment.*
  - P241 *Use explosion-proof electrical/ventilating/lighting equipment.*
  - P280 *Wear protective gloves/protective clothing/eye protection/face protection.*
  - P303+P361+P353 *IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.*
  - P403+P235 *Store in a well-ventilated place. Keep cool.*
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*

**3 Composition and Information on Ingredients**

- **Chemical characterisation:** *Mixtures*
- **Description:** *Mixture of substances listed below with nonhazardous additions.*

**Dangerous components:**

64-17-5	ethanol	 <i>Flam. Liq. 2, H225</i>	60-80%
56-81-5	Glycerol		20-40%

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

**4 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**

- **Suitable extinguishing agents:**  
*CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.*
- **Special hazards arising from the substance or mixture** *No further relevant information available.*
- **Protective equipment:** *No special measures required.*

**6 Accidental Release Measures**

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

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**Trade name: renlite plus Substrate (50X)**

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- **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.

**7 Handling and Storage**

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **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 and personal protection**

- **Additional information about design of technical facilities:** No further data; see item 7.

**Ingredients with limit values that require monitoring at the workplace:**

**64-17-5 Ethanol**

WES | Long-term value: 1880 mg/m<sup>3</sup>, 1000 ppm

**56-81-5 Glycerol**

WES | Long-term value: 10 mg/m<sup>3</sup>

- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not required.
- **Protection of hands:**



Protective gloves

EN ISO 374-1/Type B

· **Material of gloves**

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.1 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 trough 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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Trade name: renlite plus Substrate (50X)

· **Body protection:** Protective work clothing

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### 9 Physical and Chemical Properties

- **General Information**

- **Appearance:**

- **Form:** Fluid
- **Colour:** Yellow-brown
- **Odour:** Alcohol-like
- **Odour threshold:** Not determined.
- **pH-value:** Not determined.

- **Change in condition**

- **Melting point/freezing point:** Undetermined.

- **Initial boiling point and boiling range:** 78 °C

- **Flash point:** 12 °C

- **Flammability (solid, gas):** Not applicable.

- **Ignition temperature:** 400 °C

- **Decomposition temperature:** Not determined.

- **Auto-ignition temperature:** Product is not selfigniting.

- **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

- **Explosion limits:**

- **Lower:** 0.9 Vol %

- **Upper:** 15.0 Vol %

- **Vapour pressure at 20 °C:** 59 hPa

- **Density at 20 °C:** 0.88 g/cm<sup>3</sup>

- **Relative density** Not determined.

- **Vapour density** Not determined.

- **Evaporation rate** Not determined.

- **Solubility in / Miscibility with**

- **water:** Fully miscible.

- **Partition coefficient: n-octanol/water:** Not determined.

- **Viscosity:**

- **Dynamic:** Not determined.

- **Kinematic:** Not determined.

- **Other information** No further relevant information available.

### 10 Stability and Reactivity

- **Reactivity** No further relevant information available.

- **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.

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Trade name: renlite plus Substrate (50X)

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**11 Toxicological Information**

- **Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

**12 Ecological Information**

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour 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 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it 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 together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

**14 Transport information**

- **UN-Number**
- **ADG, IMDG, IATA** UN1993

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Trade name: renlite plus Substrate (50X)

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· <b>UN proper shipping name</b>	1993 FLAMMABLE LIQUID, N.O.S. (vapour pressure at 50°C not more than 110 kPa) (ETHANOL (ETHYL ALCOHOL))
· <b>ADG</b>	
· <b>IMDG</b>	FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL))
· <b>IATA</b>	Flammable liquid, n.o.s. (Ethanol)

· <b>Transport hazard class(es)</b>	
· <b>ADG</b>	
	
· <b>Class</b>	3 (F1) Flammable liquids.
· <b>Label</b>	3

· <b>IMDG, IATA</b>	
	
· <b>Class</b>	3 Flammable liquids.
· <b>Label</b>	3

· <b>Packing group</b>	
· <b>ADG, IMDG, IATA</b>	II

· <b>Environmental hazards:</b>	Not applicable.
---------------------------------	-----------------

· <b>Special precautions for user</b>	Warning: Flammable liquids.
· <b>Hazard identification number (Kemler code):</b>	33
· <b>EMS Number:</b>	F-E,S-E
· <b>Stowage Category</b>	B

· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
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· <b>Transport/Additional information:</b>	
· <b>ADG</b>	
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>Tunnel restriction code</b>	D/E

· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml

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Trade name: renlite plus Substrate (50X)

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· <b>UN "Model Regulation":</b>	UN 1993 FLAMMABLE LIQUID, N.O.S. (VAPOUR PRESSURE AT 50°C NOT MORE THAN 110 KPA) (ETHANOL (ETHYL ALCOHOL)), 3, II
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### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Australian Inventory of Industrial Chemicals**

56-81-5	Glycerol
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· **Standard for the Uniform Scheduling of Medicines and Poisons**

None of the ingredients is listed.

· **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

· **GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms**



GHS02

· **Signal word** Danger

· **Hazard statements**

H225 Highly flammable liquid and vapour.

· **Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting equipment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P403+P235 Store in a well-ventilated place. Keep cool.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** hydrogen chloride

· **Seveso category** P5c FLAMMABLE LIQUIDS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t

· **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**

H225 Highly flammable liquid and vapour.

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

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**Safety Data Sheet**  
**according to WHS Regulations**

Printing date 13.10.2023

Version number 4

Revision: 13.10.2023

**Trade name: renlite plus Substrate (50X)**

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· **Contact:** *SDS.Groningen@revvity.com*

· **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)*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

*Flam. Liq. 2: Flammable liquids – Category 2*

· **\* Data compared to the previous version altered.**

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