

# SAFETY DATA SHEET

ReadyCal-Kit PEG, 3 x 10 Vials, 1.5ml, Part Number PSS-PEGKITR1

## Section 1. Identification

**Product identifier** : ReadyCal-Kit PEG, 3 x 10 Vials, 1.5ml, Part Number PSS-PEGKITR1

**Part no. (chemical kit)** : PSS-PEGKITR1

**Part no.** :  Green Not available.  
 White Not available.  
 Red Not available.

### Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** :  Reagents and Standards for Analytical Chemistry Laboratory Use

<input checked="" type="checkbox"/> Green	10 vials, 1.5 ml
<input type="checkbox"/> White	10 vials, 1.5 ml
<input type="checkbox"/> Red	10 vials, 1.5 ml

**Supplier/Manufacturer** : Agilent Technologies Australia Pty Ltd  
 679 Springvale Road  
 Mulgrave  
 Victoria 3170, Australia  
 1800 802 402

**Emergency telephone number (with hours of operation)** : CHEMTREC®: +(61)-290372994

## Section 2. Hazard(s) identification

### Classification of the substance or mixture

**White**

H315 SKIN CORROSION/IRRITATION - Category 2  
 H319 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A  
 H335 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3

<input checked="" type="checkbox"/> <b>White</b>	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 25%
<input type="checkbox"/> <b>Red</b>	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 8%

### GHS label elements

**Hazard pictograms** :  White



**Signal word** :  Green No signal word.  
 White WARNING  
 Red No signal word.

**Hazard statements** :  Green No known significant effects or critical hazards.  
 White H315 - Causes skin irritation.  
 H319 - Causes serious eye irritation.  
 H335 - May cause respiratory irritation.  
 Red No known significant effects or critical hazards.

### Precautionary statements

## Section 2. Hazard(s) identification

<b>Prevention</b>	: <input checked="" type="checkbox"/> Green White	Not applicable. P280 - Wear protective gloves. Wear eye or face protection. P261 - Avoid breathing dust. P264 - Wash thoroughly after handling.
<b>Response</b>	: <input checked="" type="checkbox"/> Green White  Red	Not applicable. P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell. Not applicable.
<b>Storage</b>	: <input checked="" type="checkbox"/> Green White  Red	Not applicable. P403 + P233 - Store in a well-ventilated place. Keep container tightly closed. Not applicable.
<b>Disposal</b>	: <input checked="" type="checkbox"/> Green White  Red	Not applicable. P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. Not applicable.
<b>Supplemental label elements</b>		
<b>Additional warning phrases</b>	: <input checked="" type="checkbox"/> Green White Red	Not applicable. Not applicable. Not applicable.
<b>Other hazards which do not result in classification</b>	: <input checked="" type="checkbox"/> Green White Red	None known. None known. None known.

## Section 3. Composition and ingredient information

<b>Substance/mixture</b>	: <input checked="" type="checkbox"/> Green White Red	Substance Mixture Mixture
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### CAS number/other identifiers

Ingredient name	% (w/w)	CAS number
<b><input checked="" type="checkbox"/> Green</b>		
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	100	25322-68-3
<b>White</b>		
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	≥75 - ≤90	25322-68-3
3,6,9,12-tetraoxatetradecane-1,14-diol	≥10 - ≤30	4792-15-8
<b>Red</b>		
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	≥75 - ≤90	25322-68-3





There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

The total concentration of ingredients in this product, reported or not in this section, is 100%.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

<b>Eye contact</b>	:  Green	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	White	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
	Red	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
<b>Inhalation</b>	:  Green	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	White	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
	Red	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
<b>Skin contact</b>	:  Green	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	White	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	Red	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
<b>Ingestion</b>	:  Green	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	White	Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie,

## Section 4. First aid measures

Red

belt or waistband.

Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

<b>Eye contact</b>	: <input checked="" type="checkbox"/> Green White Red	No known significant effects or critical hazards. Causes serious eye irritation.
<b>Inhalation</b>	: <input checked="" type="checkbox"/> Green White Red	No known significant effects or critical hazards. No known significant effects or critical hazards. May cause respiratory irritation.
<b>Skin contact</b>	: <input checked="" type="checkbox"/> Green White Red	No known significant effects or critical hazards. No known significant effects or critical hazards. Causes skin irritation.
<b>Ingestion</b>	: <input checked="" type="checkbox"/> Green White Red	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.


#### Over-exposure signs/symptoms

<b>Eye contact</b>	: <input checked="" type="checkbox"/> Green White	No specific data. Adverse symptoms may include the following: pain or irritation watering redness
<b>Inhalation</b>	: <input checked="" type="checkbox"/> Green White	No specific data. Adverse symptoms may include the following: respiratory tract irritation coughing
<b>Skin contact</b>	: <input checked="" type="checkbox"/> Green White	No specific data. Adverse symptoms may include the following: irritation redness
<b>Ingestion</b>	: <input checked="" type="checkbox"/> Green White Red	No specific data. No specific data. No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

<b>Notes to physician</b>	: <input checked="" type="checkbox"/> Green	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	White	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Red	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>Specific treatments</b>	: <input checked="" type="checkbox"/> Green White Red	No specific treatment. No specific treatment. No specific treatment.







## Section 4. First aid measures

<b>Protection of first-aiders</b>	:  Green	No action shall be taken involving any personal risk or without suitable training.
	White	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	Red	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## Section 5. Firefighting measures

### Extinguishing media

<b>Suitable extinguishing media</b>	:  Green	Use an extinguishing agent suitable for the surrounding fire.
	White	Use an extinguishing agent suitable for the surrounding fire.
	Red	Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	:  Green	None known.
	White	None known.
	Red	None known.
<b>Specific hazards arising from the chemical</b>	:  Green	No specific fire or explosion hazard.
	White	No specific fire or explosion hazard.
	Red	No specific fire or explosion hazard.
<b>Hazardous thermal decomposition products</b>	:  Green	Decomposition products may include the following materials: carbon dioxide carbon monoxide
	White	Decomposition products may include the following materials: carbon dioxide carbon monoxide
	Red	Decomposition products may include the following materials: carbon dioxide carbon monoxide
<b>Special protective actions for fire-fighters</b>	:  Green	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	White	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	Red	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
<b>Special protective equipment for fire-fighters</b>	:  Green	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	White	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive

## Section 5. Firefighting measures

Red

pressure mode.  
Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel**

:  Green

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

White

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Red

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

**For emergency responders**

:  Green

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

White

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Red

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions**

:  Green

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

White

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Red

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and material for containment and cleaning up

## Section 6. Accidental release measures

<b>Methods for cleaning up</b>	: Green	Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.
	White	Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
	Red	Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

## Section 7. Handling and storage

### Precautions for safe handling

<b>Protective measures</b>	: Green	Put on appropriate personal protective equipment (see Section 8).
	White	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
	Red	Put on appropriate personal protective equipment (see Section 8).
<b>Advice on general occupational hygiene</b>	: Green	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
	White	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
	Red	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

<b>Conditions for safe storage, including any incompatibilities</b>	: Green	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
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## Section 7. Handling and storage

White

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Red

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls and personal protection

### [Control parameters](#)

### [Occupational exposure limits](#)

Ingredient name	Exposure limits
<p><b>Green</b> Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated</p>	<p><b>DFG MAC-values list (Germany, 7/2023).</b> PEAK: 400 mg/m<sup>3</sup>, 4 times per shift, 15 minutes. Form: inhalable fraction TWA: 200 mg/m<sup>3</sup> 8 hours. Form: inhalable fraction</p>
<p><b>White</b> Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated</p>	<p><b>DFG MAC-values list (Germany, 7/2023).</b> PEAK: 400 mg/m<sup>3</sup>, 4 times per shift, 15 minutes. Form: inhalable fraction TWA: 200 mg/m<sup>3</sup> 8 hours. Form: inhalable fraction</p>
<p><b>Red</b> Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated</p>	<p><b>DFG MAC-values list (Germany, 7/2023).</b> PEAK: 400 mg/m<sup>3</sup>, 4 times per shift, 15 minutes. Form: inhalable fraction TWA: 200 mg/m<sup>3</sup> 8 hours. Form: inhalable fraction</p>

### [Biological exposure indices](#)

No exposure indices known.

- Appropriate engineering controls** :  Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.



## Section 8. Exposure controls and personal protection

### Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** :  Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** :  Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### Appearance

<b>Physical state</b>	: <input checked="" type="checkbox"/> Green White Red	Solid. Solid. Solid.
<b>Colour</b>	: <input checked="" type="checkbox"/> Green White Red	White. Not available. Not available.
<b>Odour</b>	: <input checked="" type="checkbox"/> Green White Red	Odourless. Not available. Not available.
<b>Odour threshold</b>	: <input checked="" type="checkbox"/> Green White Red	Not available. Not available. Not available.
<b>pH</b>	: <input checked="" type="checkbox"/> Green White Red	5 to 7 Not available. Not available.
<b>Melting point/freezing point</b>	: <input checked="" type="checkbox"/> Green White Red	Not available. Not available. Not available.
<b>Boiling point, initial boiling point, and boiling range</b>	: <input checked="" type="checkbox"/> Green White Red	250°C (482°F) Not available. Not available.
<b>Flash point</b>	: <input checked="" type="checkbox"/> Green  White Red	Closed cup: 171 to 235°C (339.8 to 455°F) Open cup: 199 to 238°C (390.2 to 460.4°F) Not applicable. Not applicable.

## Section 9. Physical and chemical properties and safety characteristics

Ingredient name	Closed cup			Open cup		
	°C	°F	Method	°C	°F	Method
<b>White</b> Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy-Ethane-1,2-diol, ethoxylated	171 to 235	339.8 to 455	-	199 to 238	390.2 to 460.4	-
<b>Red</b> Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy-Ethane-1,2-diol, ethoxylated	171 to 235	339.8 to 455	-	199 to 238	390.2 to 460.4	-

- Evaporation rate** :  Green Not available.  
White Not available.  
Red Not available.
- Flammability** :  Green Not available.  
White Not available.  
Red Not available.
- Lower and upper explosion limit/flammability limit** :  Green Not applicable.  
White Not applicable.  
Red Not applicable.
- Vapour pressure** :  Green 0.00000004 kPa (0.0000003 mm Hg)

Ingredient name	Vapour Pressure at 20°C			Vapour pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
<b>White</b> Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy-Ethane-1,2-diol, ethoxylated	0.0000003	0.00000004	-	-	-	-
3,6,9,12-tetraoxatetradecane-1,14-diol	0.000000232	0.000000031	-	-	-	-
<b>Red</b> Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy-Ethane-1,2-diol, ethoxylated	0.0000003	0.00000004	-	-	-	-

- Relative vapour density** :  Green Not applicable.  
White Not applicable.  
Red Not applicable.
- Relative density** :  Green 1.13  
White Not available.  
Red Not available.

## Section 9. Physical and chemical properties and safety characteristics

<b>Solubility(ies)</b>	<b>Media</b>	<b>Result</b>													
	<input checked="" type="checkbox"/> <b>Green</b> water	Soluble													
	<input type="checkbox"/> <b>White</b> water	Soluble													
	<input type="checkbox"/> <b>Red</b> water	Soluble													
<b>Partition coefficient: n-octanol/water</b>	<input checked="" type="checkbox"/> <b>Green</b>	Not available.													
	<input type="checkbox"/> <b>White</b>	Not applicable.													
	<input type="checkbox"/> <b>Red</b>	Not applicable.													
<b>Auto-ignition temperature</b>	<input checked="" type="checkbox"/> <b>Green</b>	360°C (680°F)													
	<input type="checkbox"/> <b>White</b>	Not applicable.													
	<input type="checkbox"/> <b>Red</b>	Not applicable.													
<table border="1"> <thead> <tr> <th>Ingredient name</th> <th>°C</th> <th>°F</th> <th>Method</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/> <b>White</b> Poly(oxy-1,2-ethanediyl),<math>\alpha</math>-hydro-<math>\omega</math>-hydroxy- Ethane-1,2-diol, ethoxylated</td> <td>360</td> <td>680</td> <td>-</td> </tr> <tr> <td><input type="checkbox"/> <b>Red</b> Poly(oxy-1,2-ethanediyl),<math>\alpha</math>-hydro-<math>\omega</math>-hydroxy- Ethane-1,2-diol, ethoxylated</td> <td>360</td> <td>680</td> <td>-</td> </tr> </tbody> </table>				Ingredient name	°C	°F	Method	<input checked="" type="checkbox"/> <b>White</b> Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated	360	680	-	<input type="checkbox"/> <b>Red</b> Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated	360	680	-
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<input type="checkbox"/> <b>Red</b> Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated	360	680	-												
<b>Decomposition temperature</b>	<input checked="" type="checkbox"/> <b>Green</b>	Not available.													
	<input type="checkbox"/> <b>White</b>	Not available.													
	<input type="checkbox"/> <b>Red</b>	Not available.													
<b>Viscosity</b>	<input checked="" type="checkbox"/> <b>Green</b>	Not applicable.													
	<input type="checkbox"/> <b>White</b>	Not applicable.													
	<input type="checkbox"/> <b>Red</b>	Not applicable.													
<b>Particle characteristics</b>															
<b>Median particle size</b>	<input checked="" type="checkbox"/> <b>Green</b>	Not available.													
	<input type="checkbox"/> <b>White</b>	Not available.													
	<input type="checkbox"/> <b>Red</b>	Not available.													

## Section 10. Stability and reactivity

<b>Reactivity</b>	<input checked="" type="checkbox"/> <b>Green</b>	No specific test data related to reactivity available for this product or its ingredients.
	<input type="checkbox"/> <b>White</b>	No specific test data related to reactivity available for this product or its ingredients.
	<input type="checkbox"/> <b>Red</b>	No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	<input checked="" type="checkbox"/> <b>Green</b>	The product is stable.
	<input type="checkbox"/> <b>White</b>	The product is stable.
	<input type="checkbox"/> <b>Red</b>	The product is stable.
<b>Possibility of hazardous reactions</b>	<input checked="" type="checkbox"/> <b>Green</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
	<input type="checkbox"/> <b>White</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
	<input type="checkbox"/> <b>Red</b>	Under normal conditions of storage and use, hazardous reactions will not occur.

## Section 10. Stability and reactivity

<b>Conditions to avoid</b>	: <input checked="" type="checkbox"/> Green White Red	No specific data. No specific data. No specific data.
<b>Incompatible materials</b>	: <input checked="" type="checkbox"/> Green White Red	May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials.
<b>Hazardous decomposition products</b>	: <input checked="" type="checkbox"/> Green  White  Red	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Not available.

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
<b>Green</b> Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Eyes - Mild irritant	Rabbit	-	500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	500 mg	-
<b>White</b> Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Eyes - Mild irritant	Rabbit	-	500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
<b>Red</b> Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated	Skin - Mild irritant	Rabbit	-	500 mg	-
	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	500 mg	-

#### Sensitisation

Not available.

#### Mutagenicity

**Conclusion/Summary** : Not available.

#### Carcinogenicity

**Conclusion/Summary** : Not available.

#### Reproductive toxicity

## Section 11. Toxicological information

**Conclusion/Summary** : Not available.

### Teratogenicity

**Conclusion/Summary** : Not available.

### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
White 3,6,9,12-tetraoxatetradecane-1,14-diol	Category 3	-	Respiratory tract irritation

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

**Information on likely routes of exposure** :  Green  
White  
Red

Not available.  
Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.  
Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

### Potential acute health effects

**Eye contact** :  Green  
White  
Red

No known significant effects or critical hazards.  
Causes serious eye irritation.

**Inhalation** :  Green  
White  
Red

No known significant effects or critical hazards.  
May cause respiratory irritation.

**Skin contact** :  Green  
White  
Red

No known significant effects or critical hazards.  
Causes skin irritation.

**Ingestion** :  Green  
White  
Red

No known significant effects or critical hazards.  
No known significant effects or critical hazards.  
No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** :  Green  
White

No specific data.  
Adverse symptoms may include the following:  
pain or irritation  
watering  
redness

Red

No specific data.

**Inhalation** :  Green  
White

No specific data.  
Adverse symptoms may include the following:  
respiratory tract irritation  
coughing

Red

No specific data.

**Skin contact** :  Green  
White

No specific data.  
Adverse symptoms may include the following:  
irritation  
redness

Red

No specific data.

**Ingestion** :  Green  
White  
Red

No specific data.  
No specific data.  
No specific data.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

## Section 11. Toxicological information

### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Potential chronic health effects

<b>General</b>	: <input checked="" type="checkbox"/> Green White Red	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Carcinogenicity</b>	: <input checked="" type="checkbox"/> Green White Red	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Mutagenicity</b>	: <input checked="" type="checkbox"/> Green White Red	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Reproductive toxicity</b>	: <input checked="" type="checkbox"/> Green White Red	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
<input checked="" type="checkbox"/> <b>Green</b> Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy-Ethane-1,2-diol, ethoxylated	28000	N/A	N/A	N/A	N/A
<b>White</b> Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy-Ethane-1,2-diol, ethoxylated	28000	N/A	N/A	N/A	N/A
<b>Red</b> Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy-Ethane-1,2-diol, ethoxylated	28000	N/A	N/A	N/A	N/A

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
<input checked="" type="checkbox"/> <b>Green</b> Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy-Ethane-1,2-diol, ethoxylated	Acute EC50 >100 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
	Acute LC50 >1000000 $\mu$ g/l Fresh water	Fish - <i>Salmo salar</i> - Parr	96 hours
<b>White</b> Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy-Ethane-1,2-diol, ethoxylated	Acute EC50 >100 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
	Acute LC50 >1000000 $\mu$ g/l Fresh water	Fish - <i>Salmo salar</i> - Parr	96 hours

## Section 12. Ecological information

<b>Red</b> Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated	Acute EC50 >100 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
	Acute LC50 >1000000 $\mu$ g/l Fresh water	Fish - <i>Salmo salar</i> - Parr	96 hours

### Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
<b>Green</b> Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated	OECD 301D Ready Biodegradability - Closed Bottle Test	74.85 % - Readily - 28 days	4 mg/l	-
<b>White</b> Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated	OECD 301D Ready Biodegradability - Closed Bottle Test	74.85 % - Readily - 28 days	4 mg/l	-
<b>Red</b> Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated	OECD 301D Ready Biodegradability - Closed Bottle Test	74.85 % - Readily - 28 days	4 mg/l	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
<b>Green</b> Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated	-	-	Readily
<b>White</b> Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated	-	-	Readily
<b>Red</b> Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated	-	-	Readily

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
<b>Green</b> Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated	-	3.2	Low
<b>White</b> Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated	-	3.2	Low
<b>Red</b>			

## Section 12. Ecological information

Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated	-	3.2	Low
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### Mobility in soil

**Soil/water partition coefficient ( $K_{oc}$ )** : Not available.

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

**ADG / IMDG / IATA** : Not regulated as Dangerous Goods according to the ADG Code .

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to IMO instruments** : Not available.

## Section 15. Regulatory information

### Standard for the Uniform Scheduling of Medicines and Poisons

Not regulated.

### Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### Montreal Protocol

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### Inventory list

**Australia** : All components are listed or exempted.



## Section 15. Regulatory information

**New Zealand** : All components are listed or exempted.  
**United States** :  Not determined.

## Section 16. Any other relevant information

### History

**Date of issue/Date of revision** : 30/04/2024  
**Date of previous issue** : 09/07/2023  
**Version** : 2

### Key to abbreviations

: ADG = Australian Dangerous Goods  
 : ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
 : ATE = Acute Toxicity Estimate  
 : BCF = Bioconcentration Factor  
 : GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 : IATA = International Air Transport Association  
 : IBC = Intermediate Bulk Container  
 : IMDG = International Maritime Dangerous Goods  
 : LogPow = logarithm of the octanol/water partition coefficient  
 : MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
 : N/A = Not available  
 : SUSMP = Standard Uniform Schedule of Medicine and Poisons  
 : UN = United Nations

### Procedure used to derive the classification

Classification	Justification
<input checked="" type="checkbox"/> <b>White</b> SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3	Calculation method Calculation method Calculation method

Indicates information that has changed from previously issued version.

### Notice to reader

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