

# SAFETY DATA SHEET



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

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

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

**CAS number** :  Green 25322-68-3  
 White Not applicable.  
 Red Not applicable.

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

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

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

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

Green 10 vials, 1.5 ml  
 White 10 vials, 1.5 ml  
 Red 10 vials, 1.5 ml

**Uses advised against** : None known.

### 1.3 Details of the supplier of the safety data sheet

Agilent Technologies LDA UK Ltd.  
 5500 Lakeside Cheadle Royal Business Park,  
 Cheadle, Cheshire, SK8 3GR  
 United Kingdom  
 Tel: +44 (0) 345 712 5292

**e-mail address of person responsible for this SDS** : pdl-msds\_author@agilent.com

### 1.4 Emergency telephone number

**Emergency telephone number (with hours of operation)** : CHEMTREC®: +(44)-870-8200418

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** :  Green Mono-constituent substance  
 White Mixture  
 Red Mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

**White**

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

**Green** The product is not classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.

**White** The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.

**Red** The product is not classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.



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

## SECTION 2: Hazards identification

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** :  Green Not applicable.  
 White Not applicable.  
 Red Not applicable.

### Special packaging requirements

**Containers to be fitted with child-resistant fastenings** :  Green Not applicable.  
 White Not applicable.  
 Red Not applicable.

**Tactile warning of danger** :  Green Not applicable.  
 White Not applicable.  
 Red Not applicable.

### 2.3 Other hazards

**Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII** :

	PBT	P	B	T	vPvB	vP	vB
<input checked="" type="checkbox"/> Green	No	N/A	No	No	No	N/A	No

White This mixture does not contain any substances that are assessed to be a PBT or a vPvB.  
 Red This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**Other hazards which do not result in classification** :  Green None known.  
 White None known.  
 Red None known.

## SECTION 3: Composition/information on ingredients

**3.1 Substances** :  Green Mono-constituent substance  
 White Mixture  
 Red Mixture

Product/ingredient name	Identifiers	%	Classification	Type
<input checked="" type="checkbox"/> Green Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated	EC: 500-038-2 CAS: 25322-68-3	100	Not classified.	[1]
<input type="checkbox"/> White 3,6,9,12-tetraoxatetradecane-1,14-diol	EC: 225-341-4 CAS: 4792-15-8	$\geq 25 - \leq 50$	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]
<input type="checkbox"/> Red 3,6,9,12-tetraoxatetradecane-1,14-diol	EC: 225-341-4 CAS: 4792-15-8	$\leq 5$	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 <b>See Section 16 for the full text of the H statements declared above.</b>	[1]

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

**Type**  
 Green [1] Constituent  
 White [1] Substance classified with a health or environmental hazard  
 Red [1] Substance classified with a health or environmental hazard

### SECTION 3: Composition/information on ingredients

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

### SECTION 4: First aid measures

#### 4.1 Description of 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, belt or waistband.
		Red	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

## SECTION 4: First aid measures

**Protection of first-aiders** :  Green

White

Red

so by medical personnel. Get medical attention if symptoms occur.

No action shall be taken involving any personal risk or without suitable training.

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.

No action shall be taken involving any personal risk or without suitable training.

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

#### Over-exposure signs/symptoms

**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.

### 4.3 Indication of any immediate medical attention and special treatment needed

**Notes to physician**

:  Green

White

Red

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments**

:  Green

White

Red

No specific treatment.

No specific treatment.

No specific treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media**

:  Green

White

Red

Use an extinguishing agent suitable for the surrounding fire.

Use an extinguishing agent suitable for the surrounding fire.

Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media**

:  Green

White

Red

None known.

None known.

None known.

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

**Hazards from the substance or mixture**

:  Green

White


Red

No specific fire or explosion hazard.



No specific fire or explosion hazard.

No specific fire or explosion hazard.

## SECTION 5: Firefighting measures



<b>Hazardous combustion 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

### 5.3 Advice for firefighters



<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 pressure mode.
	Red	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

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



<b>For non-emergency personnel</b>	:  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.
<b>For emergency responders</b>	:  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".

## SECTION 6: Accidental release measures

<b>6.2 Environmental precautions</b>	:  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).
<b>6.3 Methods and material for containment and cleaning up</b>		
<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.
<b>6.4 Reference to other sections</b>	: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.	

## SECTION 7: Handling and storage


### 7.1 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



## SECTION 7: Handling and storage

equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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

<b>Storage</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.
	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.

### 7.3 Specific end use(s)

<b>Recommendations</b>	:  Green White Red	Industrial applications, Professional applications. Industrial applications, Professional applications. Industrial applications, Professional applications.
<b>Industrial sector specific solutions</b>	:  Green White Red	Not available. Not available. Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

No exposure limit value known.

#### Biological exposure indices

No exposure indices known.

**Recommended monitoring procedures** : Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### DNELs/DMELs



## SECTION 8: Exposure controls/personal protection

Product/ingredient name	Type	Exposure	Value	Population	Effects
<input checked="" type="checkbox"/> Green Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated	DNEL	Long term Inhalation	7.14 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Oral	40 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	40 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	40.2 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Dermal	112 mg/kg bw/day	Workers	Systemic

### PNECs

No PNECs available

### 8.2 Exposure controls

**Appropriate engineering controls** :  Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

#### 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.

**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 9: Physical and chemical properties

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

### 9.1 Information on basic physical and chemical properties

#### Appearance

**Physical state** :  Green Solid.  
 White Solid.  
 Red Solid.

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

**SECTION 9: Physical and chemical properties**

<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>Melting point/freezing point</b>	: <input checked="" type="checkbox"/> Green White Red	Not available. Not available. Not available.								
<b>Initial boiling point and boiling range</b>	: <input checked="" type="checkbox"/> Green White Red	250°C Not available. Not available.								
<b>Flammability</b>	: <input checked="" type="checkbox"/> Green White Red	Not available. Not available. Not available.								
<b>Upper/lower flammability or explosive limits</b>	: <input checked="" type="checkbox"/> Green White Red	Not applicable. Not applicable. Not applicable.								
<b>Flash point</b>	: <input checked="" type="checkbox"/> Green  White Red	Closed cup: 171 to 235°C Open cup: 199 to 238°C Not applicable. Not applicable.								
<b>Auto-ignition temperature</b>	: <input checked="" type="checkbox"/> Green White Red	360°C Not applicable. Not applicable.								
<b>Decomposition temperature</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>Viscosity</b>	: <input checked="" type="checkbox"/> Green White Red	Not applicable. Not applicable. Not applicable.								
<b>Solubility(ies)</b>	: <table border="1" style="display: inline-table; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;"><b>Media</b></th> <th style="text-align: left; padding: 2px;"><b>Result</b></th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><input checked="" type="checkbox"/> Green water</td> <td style="padding: 2px;">Soluble</td> </tr> <tr> <td style="padding: 2px;"><b>White</b> water</td> <td style="padding: 2px;">Soluble</td> </tr> <tr> <td style="padding: 2px;"><b>Red</b> water</td> <td style="padding: 2px;">Soluble</td> </tr> </tbody> </table>	<b>Media</b>	<b>Result</b>	<input checked="" type="checkbox"/> Green water	Soluble	<b>White</b> water	Soluble	<b>Red</b> water	Soluble	
<b>Media</b>	<b>Result</b>									
<input checked="" type="checkbox"/> Green water	Soluble									
<b>White</b> water	Soluble									
<b>Red</b> water	Soluble									
<b>Partition coefficient: n-octanol/water</b>	: <input checked="" type="checkbox"/> Green White Red	Not available. Not applicable. Not applicable.								
<b>Vapour pressure</b>	: <input checked="" type="checkbox"/> Green	0.00000004 kPa (0.0000003 mm Hg)								
<b>Evaporation rate</b>	: <input checked="" type="checkbox"/> Green White Red	Not available. Not available. Not available.								
<b>Relative density</b>	: <input checked="" type="checkbox"/> Green White Red	1.13 Not available. Not available.								
<b>Vapour density</b>	: <input checked="" type="checkbox"/> Green White Red	Not applicable. Not applicable. Not applicable.								

## SECTION 9: Physical and chemical properties

<b>Explosive properties</b>	: <input checked="" type="checkbox"/> Green	Not available.
	White	Not available.
	Red	Not available.
<b>Oxidising properties</b>	: <input checked="" type="checkbox"/> Green	Not available.
	White	Not available.
	Red	Not available.
<b>Particle characteristics</b>		
<b>Median particle size</b>	: <input checked="" type="checkbox"/> Green	Not available.
	White	Not available.
	Red	Not available.

### 9.2 Other information

No additional information.

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity</b>	: <input checked="" type="checkbox"/> Green	No specific test data related to reactivity available for this product or its ingredients.
	White	No specific test data related to reactivity available for this product or its ingredients.
	Red	No specific test data related to reactivity available for this product or its ingredients.
<b>10.2 Chemical stability</b>	: <input checked="" type="checkbox"/> Green	The product is stable.
	White	The product is stable.
	Red	The product is stable.
<b>10.3 Possibility of hazardous reactions</b>	: <input checked="" type="checkbox"/> Green	Under normal conditions of storage and use, hazardous reactions will not occur.
	White	Under normal conditions of storage and use, hazardous reactions will not occur.
	Red	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>10.4 Conditions to avoid</b>	: <input checked="" type="checkbox"/> Green	No specific data.
	White	No specific data.
	Red	No specific data.
<b>10.5 Incompatible materials</b>	: <input checked="" type="checkbox"/> Green	May react or be incompatible with oxidising materials.
	White	May react or be incompatible with oxidising materials.
	Red	May react or be incompatible with oxidising materials.
<b>10.6 Hazardous decomposition products</b>	: <input checked="" type="checkbox"/> Green	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	White	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Red	Under normal conditions of storage and use, hazardous decomposition products should not be produced.


## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects


#### Acute toxicity

#### Acute toxicity estimates

## SECTION 11: Toxicological information

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
 <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

### 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	-

### Sensitiser

**Conclusion/Summary** : Not available.

### Mutagenicity

**Conclusion/Summary** : Not available.

### Carcinogenicity

**Conclusion/Summary** : Not available.


### Reproductive toxicity

**Conclusion/Summary** : Not available.

### Teratogenicity

**Conclusion/Summary** : Not available.

### Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
 <b>White</b> 3,6,9,12-tetraoxatetradecane-1,14-diol	Category 3	-	Respiratory tract irritation
<b>Red</b> 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

#### Inhalation

 Green  
White  
Red

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

#### 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.

## SECTION 11: Toxicological information

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

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

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

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

#### Short term exposure

<b>Potential immediate effects</b>	: Not available.
<b>Potential delayed effects</b>	: Not available.

#### Long term exposure


<b>Potential immediate effects</b>	: Not available.
<b>Potential delayed effects</b>	: Not available.

### Potential chronic health effects

<b>Conclusion/Summary</b>	: Not available.	
<b>General</b>	: <input checked="" type="checkbox"/> Green	No known significant effects or critical hazards.
	White	No known significant effects or critical hazards.
	Red	No known significant effects or critical hazards.
<b>Carcinogenicity</b>	: <input checked="" type="checkbox"/> Green	No known significant effects or critical hazards.
	White	No known significant effects or critical hazards.
	Red	No known significant effects or critical hazards.
<b>Mutagenicity</b>	: <input checked="" type="checkbox"/> Green	No known significant effects or critical hazards.
	White	No known significant effects or critical hazards.
	Red	No known significant effects or critical hazards.
<b>Reproductive toxicity</b>	: <input checked="" type="checkbox"/> Green	No known significant effects or critical hazards.
	White	No known significant effects or critical hazards.
	Red	No known significant effects or critical hazards.


## SECTION 12: Ecological information

### 12.1 Toxicity


Product/ingredient name	Result	Species	Exposure
 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 - Atlantic salmon - <i>Salmo salar</i> - Parr	96 hours

**Conclusion/Summary** : Not available.


### 12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
 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	-

**Conclusion/Summary** : Not available.

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

### 12.3 Bioaccumulative potential


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

### 12.4 Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Mobility** : Not available.

### 12.5 Results of PBT and vPvB assessment

Product/ingredient name	PBT	P	B	T	vPvB	vP	vB
 Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated	No	N/A	No	No	No	N/A	No

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

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

**Methods of disposal** : 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.

**Hazardous waste** : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

#### Packaging

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions** : 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

	ADR/RID	IMDG	IATA
14.1 UN number	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No.	No.	No.

### Additional information

**14.6 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.

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

## SECTION 15: Regulatory information

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

#### UK (GB)/REACH

##### Annex XIV - List of substances subject to authorisation

##### Annex XIV

None of the components are listed.

##### Substances of very high concern

None of the components are listed.

##### Ozone depleting substances

## SECTION 15: Regulatory information

Not listed.

### Prior Informed Consent (PIC)

Not listed.

### Persistent Organic Pollutants

Not listed.

### Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

No listed substance

**Label** :  Green Not applicable.  
White Not applicable.  
Red Not applicable.

### Seveso Directive

This product is not controlled under the Seveso Directive.

### EU regulations

**Industrial emissions (integrated pollution prevention and control) - Air** : Not listed

**Industrial emissions (integrated pollution prevention and control) - Water** : Not listed

**15.2 Chemical safety assessment** : This product contains substances for which Chemical Safety Assessments might still be required.

### 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

**United States** :  Not determined.

## SECTION 16: Other information

Indicates information that has changed from previously issued version.

**Abbreviations and acronyms** : ATE = Acute Toxicity Estimate  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EUH statement = CLP-specific Hazard statement  
N/A = Not available  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RRN = REACH Registration Number



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

**SECTION 16: Other information**

vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification

Classification	Justification
<b>White</b> Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	Calculation method Calculation method Calculation method

Full text of abbreviated H statements

<b>White</b> H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation.
<b>Red</b> H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation.

Full text of classifications

<b>White</b> Eye Irrit. 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 Skin Irrit. 2 SKIN CORROSION/IRRITATION - Category 2 STOT SE 3 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3
<b>Red</b> Eye Irrit. 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 Skin Irrit. 2 SKIN CORROSION/IRRITATION - Category 2 STOT SE 3 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3

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