



# SAFETY DATA SHEET

According to EC 1907/2006 (REACH)

**Date last verification** : 2018-11-08  
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**Version number** : 5.0a

Last modifications in sections : 8.1

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

### 1.1. Product identifier

**SDS** : 32408  
**Product code** :  
**Supplier** : DISCUS DENTAL, LLC.  
DISCUS DENTAL, LLC. DISCUS DENTAL EUROPE  
(COMPANY) (IMPORTER)  
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**Sponsor** : PHILIPS ELECTRONICS AUSTRALIA LTD  
65 Epping Road  
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Consumer Lifestyle - 1300 363 391  
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Level 3, 123 Carlton Gore Road  
Newmarket  
Auckland, 1023  
New Zealand  
TEL:HealthTech - 0800 251 400  
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**Product name** : PHILIPS ZOOM! NITE WHITE 16% WITH SODIUM FLUORIDE (HULA)

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

**General description** : DENTAL WHITENING GEL  
**Use** : Various  
**Uses advised against** : Data not available.

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

**Supplier safety data sheet** : Philips Electronics Nederland B.V., Philips Environment & Safety, High Tech Campus 37, 5656 AE Eindhoven, Tel. +31 (0)40 27 41 645  
**Responsible department** : hazcom@philips.com

### 1.4. Emergency telephone number

**Emergency telephone number** : +31 (0)497-598315

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**(EC) No 1272/2008**

Skin irritation	Category 2	H315
Serious eye damage	Category 1	H318

### 2.2. Label elements

**(EC) No 1272/2008**

**Hazard pictogram(s)****Signal word : Danger !****Hazard statements**

H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 EUH208 Contains (name of sensitizing substance). May produce an allergic reaction.

**Precautionary statements**

P264 Wash hands/skin thoroughly after handling.  
 P280.7 Wear protective gloves/eye protection/face protection.  
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 Immediately call a POISON CENTER or doctor/physician.  
 P362+P364 Take off contaminated clothing and wash it before reuse.

**Hazardous component(s)** UREA PEROXIDE  
 HYDROGEN PEROXIDE  
 EUGENOL

**Remarks on labelling** none

**2.3. Other hazards**

If applicable: see section 6.1 and section 7.1.

**SECTION 3: Composition/information on ingredients**

Component	CAS-no. EC-no.	Index No. Registration no.	Percentage(%)	Label
1,2-PROPANEDIOL	57-55-6 200-338-0	01-2119456809-23	≥20.0 - <45.0	
GLYCEROL	56-81-5 200-289-5	01-2119471987-18	≥10.0 - <20.0	
UREA PEROXIDE	124-43-6 204-701-4		≥1.0 - <5.0	GHS03 GHS05 H271 Ox. sol. 1 H314 Skin corr. 1B
HYDROGEN PEROXIDE	7722-84-1 231-765-0	008-003-00-9 01-2119485845-22 01-2120763149-48	≥1.0 - <5.0	GHS03 GHS05 GHS07 H271 Ox. liq. 1 H302 Acute tox. 4 H314 Skin corr. 1A H332 Acute tox. 4
POTASSIUM NITRAT	7757-79-1 231-818-8	01-2119488224-35 01-2120104950-66	≥1.0 - <5.0	GHS03 H271 Ox. sol. 1
EUGENOL	97-53-0 202-589-1	01-2119971802-33	≥0.1 - <0.5	GHS07 H302 Acute tox. 4 H315 Skin irrit. 2 H317 Skin sens. 1 H319 Eye irrit. 2 H335 STOT SE 3
SODIUM FLUORIDE	7681-49-4 231-667-8	009-004-00-7 01-2119539420-47 01-2120763154-57	≥0.1 - <0.5	GHS06 H301 Acute tox. 3 H315 Skin irrit. 2 H319 Eye irrit. 2 EUH032

Component	CAS-no.	Index No.	Percentage(%)	Label
	EC-no.	Registration no.		
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE	112945-52-5		≥5.0 - <10.0	
PEPPERMINT OIL	8006-90-4 616-900-7		<1.0	
WATER	7732-18-5 231-791-2			

For the full text of the H-sentences mentioned in this section, see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- Skin** : Remove contaminated clothes as soon as possible. Remove residue substance as soon as possible (e.g. rinse with plenty of water). In case of a serious exposure call for a doctor.
- Ingestion** : If the victim is conscious let him rinse the mouth with water. Do NOT let him drink. In case of general disorders call for a doctor.
- Inhalation** : Bring victim into the fresh air as soon as possible and let rest. In case of severe exposure call for a doctor. In case of breathing problems, loose squeezing clothes and if victim is conscious bring victim in high sitting position. In case of stagnation of breathing give IMMEDIATELY oxygen and transport to hospital as soon as possible.
- Eyes** : Rinse for a long time with plenty of water. In case of eye-sight disturbances bring victim immediately into the hospital, in other cases call for a doctor

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

- Skin** local : The substance is irritating: redness, pain.  
: May cause allergic reaction: chance of allergic dermatitis.  
: With intensive skin contact risk of skin affection.
- Ingestion** general : The substance may be absorbed via the skin.  
local : The substance is irritating: sore throat, abdominal pain.  
: Large concentrations may cause: vomiting, diarrhoea.  
general : The substance may be absorbed after ingestion.  
: Large concentrations may cause: coordination disturbances.
- Inhalation** local : The substance is with atomising irritating: sore throat, coughing.  
general : The substance may be absorbed after inhalation.
- Eyes** local : The substance is corrosive: redness, pain, poor vision.
- Remarks symptoms** : The substance has an effect on: the kidneys, the nervous system, the lungs.

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

Administer oxygen in the event of shortness of breath.  
Use 2.5% calcium gluconate gel as an antidote if the skin is damaged. First flush the affected skin with running water for a lengthy period. Then apply the gel as quickly as possible with a spatula (about 5 mm thick!).  
Rinse the gel off 5 minutes after applying it. Apply a new layer and again rinse off after 5 minutes. Repeat until the pain is relieved. Allow the final layer of gel to dry and leave on the skin for at least several hours. The 2.5% calcium gluconate gel must be replaced every year. Always alert an ambulance.  
For advice on further treatment contact a (national) poison center.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable fire-extinguisher

carbon dioxide, extinguishing powder, water spray, alcohol resistant foam

#### Unsuitable fire-extinguisher

not traceable

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

**Hazardous decomposition products in fire** : carbon monoxide, nitrous oxides, potassium oxide, silicon dioxide, sodium oxide, hydrogen fluoride

### 5.3. Advice for firefighters

In the event of fire, wear protective clothing and use breathing apparatus that is independent of the ambient air.

## SECTION 6: Accidental release measures

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

### Precautions

Use protective equipment. See section 8.  
Read label before use.

### Emergency procedure

Is not to be expected.

## 6.2. Environmental precautions

Remainder material or uncleaned empty packagings have to be incinerated in a proper installation or dumped on an approved landfill, in accordance with local and national legislation.

## 6.3. Methods and material for containment and cleaning up

### Spillage procedure

Dependent on quantity spilled paste, one has the choice between: - remove with cleaning rag or paper, or - cover paste with Powersorb, sand, diatomite, vermiculite and suchlike. Shovel the material into plastic bag or other suitable packaging and remove to the central depot for hazardous waste.

## 6.4. Reference to other sections

See section 8 for appropriate personal protection.  
See section 13 for additional information on waste treatment.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Observe label precautions.  
Do not eat, drink or smoke in work areas. Remove contaminated clothing and protective equipment. Wash hands after leaving the work area.

**Local exhausting** : Depends on processing circumstances, but at least good room ventilation.

**Storage code (on behalf of PGS 15)** : none

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

**Storage conditions** : See also any precautionary statements in section 2.2.  
Store product in a closed packaging, cool, in a well ventilated area.

### 7.3. Specific end use(s)

Data not available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits :

#### applicable to: The Netherlands (20 °C; 1013 mbar)

TWA(8 hours): 50 mg/m3	1,2-PROPANEDIOL(proposal Health Council)
TWA(8 hours): 10 mg/m3	GLYCEROL(as aerosol)
No TWA has been laid down.	UREA PEROXIDE
TWA(8 hours): 1.4 mg/m3	HYDROGEN PEROXIDE(as hydrogen peroxide 90%)
No TWA has been laid down.	POTASSIUM NITRAT
No TWA has been laid down.	EUGENOL
TWA(15 minutes): 2 mg/m3	SODIUM FLUORIDE(as fluoride)
No TWA has been laid down.	SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE
No TWA has been laid down.	PEPPERMINT OIL
No TWA has been laid down.	WATER

(Statutory threshold limit value)

#### applicable to: Belgium (20 °C; 1013 mbar)

TWA(8 hours): 10 mg/m3	GLYCEROL(as aerosol)
TWA(8 hours): 1.4 mg/m3	HYDROGEN PEROXIDE
TWA(8 hours): 2.5 mg/m3	SODIUM FLUORIDE(as fluoride)
TWA(8 hours): 3 mg/m3	SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE(as respirable dust)
TWA(8 hours): 10 mg/m3	SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE(as inhalable dust)
TWA(8 hours): 10 mg/m3	PEPPERMINT OIL(as aerosol)

#### applicable to: Germany (20 °C; 1013 mbar)

TWA(8 hours): 200 mg/m3	GLYCEROL(as inhalable dust)
TWA(15 minutes): 400 mg/m3	GLYCEROL(as inhalable dust)
TWA(8 hours): 1.4 mg/m3	HYDROGEN PEROXIDE

TWA(8 hours): 1 mg/m3 S SODIUM FLUORIDE(as fluorine, inhalable dust)  
TWA(15 minutes): 4 mg/m3 S SODIUM FLUORIDE(as fluorine, inhalable dust)

**applicable to: United States of America (25 °C; 1013 mbar)**

TWA(8 hours): 15 mg/m3 GLYCEROL(as dust) - [according to OSHA]  
TWA(8 hours): 5 mg/m3 GLYCEROL(as respirable dust) - [according to OSHA]  
TWA(8 hours): 1.4 mg/m3 HYDROGEN PEROXIDE- [according to OSHA]  
TWA(8 hours): 1 ppm HYDROGEN PEROXIDE- [according to ACGIH]  
TWA(8 hours): 2.5 mg/m3 SODIUM FLUORIDE(as fluorine) - [according to ACGIH]  
TWA(8 hours): 2.5 mg/m3 SODIUM FLUORIDE(as fluorine) - [according to OSHA]  
TWA(8 hours): 3 mg/m3 SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE(as respirable dust)  
TWA(8 hours): 10 mg/m3 SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE(as inhalable dust)

**applicable to: Sweden (20 °C; 1013 mbar)**

TWA(8 hours): 1.4 mg/m3 HYDROGEN PEROXIDE  
TWA(15 minutes): 3 mg/m3 HYDROGEN PEROXIDE  
TWA(8 hours): 2 mg/m3 SODIUM FLUORIDE(as fluorine)

**applicable to: Switzerland (20 °C; 1013 mbar)**

TWA(8 hours): 50 mg/m3 GLYCEROL(as inhalable dust)  
TWA(15 minutes): 100 mg/m3 GLYCEROL(as inhalable dust)  
\*TWA(8 hours): 1.4 mg/m3 HYDROGEN PEROXIDE  
TWA(15 minutes): 2.8 mg/m3 HYDROGEN PEROXIDE  
TWA(8 hours): 1 mg/m3 S SODIUM FLUORIDE(as fluorine, inhalable dust)  
TWA(15 minutes): 4 mg/m3 S SODIUM FLUORIDE(as fluorine, inhalable dust)

**applicable to: People's Republic of China (20 °C; 1013 mbar)**

TWA(8 hours): 1.5 mg/m3 HYDROGEN PEROXIDE  
TWA(8 hours): 2 mg/m3 SODIUM FLUORIDE(as fluorine)

**applicable to: European Union (20 °C; 1013 mbar)**

TWA(8 hours): 2.5 mg/m3 SODIUM FLUORIDE(as fluorine)

C=Ceiling; S=Skin

**Remarks exposure limits :**

none

**DNEL (Derived No Effect Level)**

DNEL worker - Inhalation - long-term - systemic: 168 mg/m3	1,2-PROPANEDIOL	Source : ECHA
DNEL worker - Inhalation - long-term - local: 10 mg/m3	1,2-PROPANEDIOL	Source : ECHA
DNEL Consumer - Inhalation - long-term - systemic: 50 mg/m3	1,2-PROPANEDIOL	Source : ECHA
DNEL Consumer - Inhalation - long-term - local: 10 mg/m3	1,2-PROPANEDIOL	Source : ECHA
DNEL worker - Inhalation - long-term - local: 56 mg/m3	GLYCEROL	Source : Supplier
DNEL worker - Inhalation - long-term - local: 1.4 mg/m3	HYDROGEN PEROXIDE	Source : ECHA
DNEL worker - Inhalation - short-term - local: 3 mg/m3	HYDROGEN PEROXIDE	Source : ECHA
DNEL Consumer - Inhalation - long-term - local: 0.210 mg/m3	HYDROGEN PEROXIDE	Source : ECHA
DNEL Consumer - Inhalation - short-term - local: 1.93 mg/m3	HYDROGEN PEROXIDE	Source : ECHA
DNEL worker - dermal - long-term - systemic: 20.8 mg/kg bw/day	POTASSIUM NITRAT	Source : Supplier
DNEL worker - Inhalation - long-term - systemic: 36.7 mg/m3	POTASSIUM NITRAT	Source : Supplier
DNEL Consumer - dermal - long-term - systemic: 12.5 mg/kg bw/day	POTASSIUM NITRAT	Source : Supplier
DNEL Consumer - Inhalation - long-term - systemic: 10.9 mg/m3	POTASSIUM NITRAT	Source : Supplier
DNEL Consumer - oral - long-term - systemic: 12.5 mg/kg bw/day	POTASSIUM NITRAT	Source : Supplier
DNEL worker - Inhalation - short-term - systemic: 2.5 mg/m3	SODIUM FLUORIDE	Source : Chemiekaarten®
DNEL worker - dermal - long-term - systemic: 0.36 mg/kg bw/day	SODIUM FLUORIDE	Source : Chemiekaarten®
DNEL worker - dermal - short-term - systemic: 0.36 mg/kg bw/day	SODIUM FLUORIDE	Source : Chemiekaarten®

**PNEC (Predicted No Effect Concentration)**

aquatic, freshwater: 260 mg/l	1,2-PROPANEDIOL	Source : ECHA
aquatic, marine water: 26 mg/l	1,2-PROPANEDIOL	Source : ECHA
aquatic, intermittent release: 183 mg/l	1,2-PROPANEDIOL	Source : ECHA
sewage treatment plant: 20000 mg/l	1,2-PROPANEDIOL	Source : ECHA
sediment, freshwater: 572 mg/kg	1,2-PROPANEDIOL	Source : ECHA
sediment, marine water: 57.2 mg/kg	1,2-PROPANEDIOL	Source : ECHA
soil: 50 mg/kg	1,2-PROPANEDIOL	Source : ECHA
soil: 0.141 mg/kg	GLYCEROL	Source : Supplier
sewage treatment plant: 1000 mg/l	GLYCEROL	Source : Supplier
aquatic, marine water: 0.0885 mg/l	GLYCEROL	Source : Supplier
sediment, marine water: 0.33 mg/kg	GLYCEROL	Source : Supplier
sediment, freshwater: 3.3 mg/kg	GLYCEROL	Source : Supplier

aquatic, freshwater: 0.885 mg/l	GLYCEROL	Source	: Supplier
aquatic, intermittent release: 8.85 mg/l	GLYCEROL	Source	: Supplier
aquatic, freshwater: 12.6 µg/l	HYDROGEN PEROXIDE	Source	: ECHA
aquatic, marine water: 12.6 µg/l	HYDROGEN PEROXIDE	Source	: ECHA
aquatic, intermittent release: 13.8 µg/l	HYDROGEN PEROXIDE	Source	: ECHA
sewage treatment plant: 4.66 mg/l	HYDROGEN PEROXIDE	Source	: ECHA
sediment, freshwater: 47 µg/kg	HYDROGEN PEROXIDE	Source	: ECHA
sediment, marine water: 47 µg/kg	HYDROGEN PEROXIDE	Source	: ECHA
soil: 2.3 µg/kg	HYDROGEN PEROXIDE	Source	: ECHA
aquatic, freshwater: 0.45 mg/l	POTASSIUM NITRAT	Source	: Supplier
aquatic, marine water: 0.045 mg/l	POTASSIUM NITRAT	Source	: Supplier
aquatic, intermittent release: 4.5 mg/l	POTASSIUM NITRAT	Source	: Supplier
sewage treatment plant: 18 mg/l	POTASSIUM NITRAT	Source	: Supplier
aquatic, freshwater: 0.9 mg/l	SODIUM FLUORIDE	Source	: Chemiekaarten®

## 8.2. Exposure controls

### Advised personal protection :

Hands	:	butyl rubber gloves neoprene gloves
Breakthrough time	:	For information: consult the supplier of the gloves.
Eyes	:	acid goggles
Inhalation	:	none (when sufficient exhausting)
Skin	:	protective clothing (such as: apron, coverall, boots)

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	:	gel	
Colour	:	white / opaque	
Odour	:	mint	
Odour threshold (20°C; 1013 mbar)	:	not traceable	
pH	:	≥5.5 - ≤7.5	
Melting point/range	:	not traceable	
Boiling point/range	:	>100 °C (1013 mbar)	
Flash point/range	:	not traceable	
Vapor rate/range	:	not traceable	
Flammability (solid, gas)	:	data not available	
Explosive limits	:	not traceable	
Vapour pressure	:	not traceable	
Relative density	:	≥1.000 - ≤1.300 (water=1) (20 °C)	
Solubility in water	:	partial	
Log Po/w	:	-1.4	1,2-PROPANEDIOL
		-2.6	GLYCEROL
		0.09	UREA PEROXIDE
		-1.1	HYDROGEN PEROXIDE
		2.73	EUGENOL
Autoignition temperature	:	not traceable	Source : IUCLID
Decomposition temperature	:	not traceable	Source : IUCLID
Viscosity	:	≥200 - ≤1200 Pa.s (20 °C)	Source : EaSI-Pro ® View
Dust explosions possible in air	:	not applicable	
Oxidising properties	:	no	Source : EaSI-Pro ® View

### 9.2. Other information

Solubility in fat	:	not traceable
Electrostatic chagement	:	no

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

See section 10.2 - 10.6.

### 10.2. Chemical stability

The substance or mixture is stable under normal conditions. See also section 10.4.

### 10.3. Possibility of hazardous reactions

Reactions with water	:	no
Other hazardous conditions	:	Data not available.

### 10.4. Conditions to avoid

Avoid heat and direct sunrays.

## 10.5. Incompatible materials

**Hazardous reactions with** : oxidizing substances, acids, alkaline solutions, metals, reducing substances, halogen compounds, halogens, potassium permanganate, phosphorus oxide, acid anhydrides, inflammable substances, metal salt, perchlorates

## 10.6. Hazardous decomposition products

**Hazardous decomposition products at heating** : none

# SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

### Acute oral toxicity

LD-50: 20 g/kg (ORL-RAT)	1,2-PROPANEDIOL	<b>Source</b>	: IUCLID
LD-50: 12.6 g/kg (ORL-RAT)	GLYCEROL	<b>Source</b>	: IUCLID
LD-50: >2 g/kg (ORL-RAT)	UREA PEROXIDE	<b>Method</b>	: OECD 423
		<b>Source</b>	: ChemDat (Merck)
LD-50: 801 mg/kg (ORL-RAT)	HYDROGEN PEROXIDE	<b>Source</b>	: Supplier
LD-50: 1.901 g/kg (ORL-RBT)	POTASSIUM NITRAT	<b>Source</b>	: EaSI-Pro ® View
LD-50: >2 g/kg (ORL-RAT)	POTASSIUM NITRAT	<b>Method</b>	: OECD 425
		<b>Source</b>	: Supplier
LD-50: 1.93 g/kg (ORL-RAT)	EUGENOL	<b>Source</b>	: EaSI-Pro ® View
LD-50: 3 g/kg (ORL-MUS)	EUGENOL	<b>Source</b>	: EaSI-Pro ® View
LD-50: 52 mg/kg (ORL-RAT)	SODIUM FLUORIDE		
LD-50: 3.16 g/kg (ORL-RAT)	SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE	<b>Source</b>	: EaSI-Pro ® View
LD-50: 2.426 g/kg (ORL-RAT)	PEPPERMINT OIL	<b>Source</b>	: EaSI-Pro ® View
<b>Acute dermal toxicity</b>			
LD-50: 20.8 g/kg (SKN-RBT)	1,2-PROPANEDIOL	<b>Source</b>	: IUCLID
LD-50: >10 g/kg (SKN-RBT)	GLYCEROL	<b>Source</b>	: ACROS
LD-50: 4.06 g/kg (SKN-RAT)	HYDROGEN PEROXIDE	<b>Source</b>	: IUCLID
LD-50: >2 g/kg (SKN-RAT)	POTASSIUM NITRAT	<b>Method</b>	: OECD 402
		<b>Source</b>	: Supplier
LD-50: >5.0 g/kg (SKN-RBT)	SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE	<b>Source</b>	: Supplier

### Acute inhalation toxicity

There are no data available.

### Skin corrosion/irritation

Causes skin irritation.

### Serious eye damage/irritation

Causes serious eye damage.

### Respiratory or skin sensitisation

The substance or mixture is not classified for respiratory or skin sensitisation.

### Germ cell mutagenicity

The substance or mixture is not classified for germ cell mutagenicity.

### Carcinogenicity

The substance or mixture is not classified for carcinogenicity.

### Additional information regarding carcinogenicity (NTP, IARC, OSHA)

NTP: no	IARC: no	OSHA: no	1,2-PROPANEDIOL
NTP: no	IARC: no	OSHA: no	GLYCEROL
NTP: no	IARC: no	OSHA: no	UREA PEROXIDE
NTP: no	IARC: no	OSHA: no	HYDROGEN PEROXIDE
NTP: no	IARC: no	OSHA: no	POTASSIUM NITRAT
NTP: no	IARC: no	OSHA: no	EUGENOL
NTP: no	IARC: no	OSHA: no	SODIUM FLUORIDE
NTP: no	IARC: no	OSHA: no	SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE
NTP: no	IARC: no	OSHA: no	PEPPERMINT OIL
NTP: no	IARC: no	OSHA: no	WATER

### Reproductive toxicity

The substance or mixture is not classified for reproductive toxicity.

### Specific target organ toxicity-single exposure

The substance or mixture is not classified for specific target organ toxicity-single exposure.

### Specific target organ toxicity-repeated exposure

The substance or mixture is not classified for specific target organ toxicity-repeated exposure.

### Aspiration hazard

The substance or mixture is not classified for aspiration hazard.

### Symptoms

Skin	local	: The substance is irritating: redness, pain. : May cause allergic reaction: chance of allergic dermatitis. : With intensive skin contact risk of skin affection.
Ingestion	general	: The substance may be absorbed via the skin.
	local	: The substance is irritating: sore throat, abdominal pain. : Large concentrations may cause: vomiting, diarrhoea.
Inhalation	general	: The substance may be absorbed after ingestion. : Large concentrations may cause: coordination disturbances.
	local	: The substance is with atomising irritating: sore throat, coughing.
Eyes	general	: The substance may be absorbed after inhalation.
	local	: The substance is corrosive: redness, pain, poor vision.
Remarks symptoms		: The substance has an effect on: the kidneys, the nervous system, the lungs.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicity

LC-50: 23800 mg/l/96H (Fish)	1,2-PROPANEDIOL	<b>Method</b> : OECD 203 <b>Source</b> : IUCLID
EC-50: 34400 mg/l/48H (Daphnia)	1,2-PROPANEDIOL	<b>Source</b> : IUCLID
IC-50: 19000 mg/l/96H (Algae)	1,2-PROPANEDIOL	<b>Source</b> : ChemDat (Merck)
LC-50: >10000 mg/l/96H (Fish)	GLYCEROL	<b>Source</b> : IUCLID
LC-50: 16.4 mg/l/96H (Fish)	HYDROGEN PEROXIDE	<b>Source</b> : IUCLID
EC-50: 2.4 mg/l/48H (Daphnia)	HYDROGEN PEROXIDE	<b>Source</b> : IUCLID
IC-50: 2.5 mg/l/72H (Algae)	HYDROGEN PEROXIDE	<b>Source</b> : IUCLID
NOEC-Fish: 5 mg/l/96H	HYDROGEN PEROXIDE	<b>Source</b> : IUCLID
NOEC-Daphnia: 1 mg/l/48H	HYDROGEN PEROXIDE	<b>Source</b> : IUCLID
NOEC-Algae: 0.1 mg/l/72H	HYDROGEN PEROXIDE	<b>Source</b> : IUCLID
LC-50: 1378 mg/l/96H (Fish)	POTASSIUM NITRAT	<b>Source</b> : IUCLID
EC-50: 490 mg/l/48H (Daphnia)	POTASSIUM NITRAT	<b>Source</b> : ChemDat (Merck)
LC-50: 24 mg/l/96H (Fish)	EUGENOL	<b>Source</b> : EaSI-Pro ® View
LC-50: 51 mg/l/96H (Fish)	SODIUM FLUORIDE	
EC-50: 98 mg/l/48H (Daphnia)	SODIUM FLUORIDE	
IC-50: 850 mg/l/72H (Algae)	SODIUM FLUORIDE	
LC-50: >10000 mg/l/96H (Fish)	SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE	<b>Method</b> : OECD 203 <b>Source</b> : Supplier

### 12.2. Persistence and degradability

<b>Biological oxygen demand (5)</b>	: 1.17 g/g	1,2-PROPANEDIOL	<b>Source</b> : IUCLID
	0.86 g/g	GLYCEROL	<b>Source</b> : IUCLID
<b>Chemical oxygen demand</b>	: 2.60 g/g	1,2-PROPANEDIOL	<b>Source</b> : IUCLID
	1.16 g/g	GLYCEROL	<b>Source</b> : IUCLID
<b>Biological(5)/chemical oxygen demand ratio</b>	: 0.45	1,2-PROPANEDIOL	
	0.741	GLYCEROL	
<b>Degradability</b>	: readily	1,2-PROPANEDIOL	<b>Source</b> : ChemDat (Merck)
	readily	GLYCEROL	<b>Source</b> : ChemDat (Merck)
	readily	EUGENOL	

### 12.3. Bioaccumulative potential

<b>Bioconcentration factor (BCF)</b>	: <1.0	1,2-PROPANEDIOL	<b>Source</b> : ChemDat (Merck)
	2.27	EUGENOL	<b>Source</b> : ChemDat (Merck)
<b>Log Po/w</b>	: -1.4	1,2-PROPANEDIOL	<b>Source</b> : IUCLID
	-2.6	GLYCEROL	<b>Source</b> : IUCLID
	0.09	UREA PEROXIDE	<b>Source</b> : EaSI-Pro ® View
	-1.1	HYDROGEN PEROXIDE	
	2.73	EUGENOL	<b>Source</b> : EaSI-Pro ® View

### 12.4. Mobility in soil

<b>Henry Constant</b>	: 1.18E-8 atm m3/mol	1,2-PROPANEDIOL	<b>Source</b> : ChemDat (Merck)
	2.41E-21 atm m3/mol	UREA PEROXIDE	<b>Source</b> : EaSI-Pro ® View
	4.81E-8 atm m3/mol	EUGENOL	<b>Source</b> : EaSI-Pro ® View

### 12.5. Results of PBT and vPvB assessment

Data not available.

### 12.6. Other adverse effects

Remarks on ecotoxicity : none

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Remainder material or uncleaned empty packagings have to be incinerated in a proper installation or dumped on an approved landfill, in accordance with local and national legislation.

## SECTION 14: Transport information

### 14.1. UN number

Not subject to Transport-regulation Dangerous Substances

### 14.2. UN proper shipping name

Not subject to Transport-regulation Dangerous Substances

### 14.3. Transport hazard class(es)

Not subject to Transport-regulation Dangerous Substances

### 14.4. Packing group

Not subject to Transport-regulation Dangerous Substances

### 14.5. Environmental hazards

Marine pollutant : no

### 14.6. Special precautions for user

Not subject to Transport-regulation Dangerous Substances

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Data not available.

## SECTION 15: Regulatory information

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

- Data not available.

### 15.2. Chemical safety assessment

- Data not available.

## SECTION 16: Other information

Remarks on SDS : none

### Overview relevant H-sentences from all components in section 3

H271	May cause fire or explosion; strong oxidiser.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
EUH032	Contact with acids liberates very toxic gas.

### Training advice

Provide adequate information, instruction and training for operators.

### A key or legend to abbreviations and acronyms used in the safety data sheet

REACH	Registration, Evaluation and Authorisation of CHemicals
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
CAS	Chemical Abstracts Service
TGG = TWA	Time Weighted Average
LEL	Lower Explosive Limit
UEL	Upper Explosive Limit
NTP	National Toxicology Program

KHC	Known Human Carcinogen
RAHC	Reasonably Anticipated Human Carcinogen
IARC	International Agency for Research on Cancer
OSHA	Occupational Safety & Health Administration
ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route
RID	Règlement concernant le transport international ferroviaire des marchandises dangereuses
UN	United Nations
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
EmS	Emergency Schedule

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\* Point to alterations with regard to the previous version.

The information provided in this Safety Data Sheet is believed to be correct as of the date issued. Philips Electronics Nederland B.V. makes no warranty as to its contents, nor as to its fitness for any particular purpose or use.