



# FARECLA G3 PRO GLASS CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 12/6/2021 Revision date: 12/6/2021 Supersedes version of: 2/5/2018 Version: 1.3

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : FARECLA G3 PRO GLASS CLEANER  
UFI : GH00-60AG-X005-486P  
Danish product registration number : PR - 4341751  
Product code : 7202, 7235, 7236, 7257

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

##### 1.2.1. Relevant identified uses

Intended for general public  
Main use category : Consumer use  
Use of the substance/mixture : Cleaning/washing agents and additives

##### 1.2.2. Uses advised against

Restrictions on use : This material should not be used for any other purpose than the identified uses without expert advice. Improper use may cause potential health, safety and environmental risks.

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

##### Manufacturer

Farecla Products Limited  
Broadmeads  
Ware, SG12 9HS – Hertfordshire  
UK

T +44 (0)19 2046 5041 (8:30-16:30 Monday to Friday) - F +44 (0)19 2046 T 0033 (0) 4 90 85 85 00 - F 0033 (0) 4 90 82 94 52  
6557

[technical@farecla.com](mailto:technical@farecla.com) - [www.farecla.com](http://www.farecla.com)

##### Only Representative

Saint-Gobain Coating Solutions  
50 rue du Mourelet Z.I. Courtine Mourre Frais, B.P.  
FR- 90966 84093 Avignon – Cedex  
France

[qualite-ehs.coating-solutions@saint-gobain.com](mailto:qualite-ehs.coating-solutions@saint-gobain.com)

#### 1.4. Emergency telephone number

Emergency number : +44 (0)19 2046 5041 (8:30-16:30 Monday to Friday)

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD 2090 Msida	+356 2545 6508	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for healthcare professionals

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation, Category 2 H319

Full text of H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

Causes serious eye irritation.

# FARECLA G3 PRO GLASS CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) :

Warning

Hazard statements (CLP) :

H319 - Causes serious eye irritation.

Precautionary statements (CLP) :

P102 - Keep out of reach of children.

P264 - Wash hands, forearms and face thoroughly after handling.

P280 - Wear protective gloves, eye protection.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 - If eye irritation persists: Get medical advice/attention.

#### Nordic countries regulation

##### Denmark

Danish product registration number :

PR - 4341751

MAL code :

0-3

### 2.3. Other hazards

Other hazards which do not result in classification : None under normal conditions.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Propan-2-ol	CAS-No.: 67-63-0 EC-No.: 200-661-7 EC Index-No.: 603-117-00-0 REACH-no: 01-2119457558-25	1 - 10	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
2-butoxyethanol	CAS-No.: 111-76-2 EC-No.: 203-905-0 EC Index-No.: 603-014-00-0 REACH-no: 01-2119475108-36	1 - 10	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319

Comments :

Contains amongst other ingredients:

Propan-2-ol, 2-butoxyethanol

Full text of H- and EUH-statements: see section 16

# FARECLA G3 PRO GLASS CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Take off contaminated clothing. Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth out with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after skin contact	: May cause moderate irritation. Itching.
Symptoms/effects after eye contact	: Eye irritation. redness, itching, tears.
Symptoms/effects after ingestion	: May cause irritation to the digestive tract. Abdominal pain, nausea.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: None known.

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

Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon monoxide. Carbon dioxide.
--	---

#### 5.3. Advice for firefighters

Precautionary measures fire	: Eliminate all ignition sources if safe to do so. Evacuate area. Keep container closed when not in use.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

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

General measures	: Avoid contact with skin and eyes. Stop leak if safe to do so.
------------------	---

##### 6.1.1. For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes.

##### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
----------------------	---

#### 6.2. Environmental precautions

Avoid release to the environment.

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

For containment	: Collect spillage.
Methods for cleaning up	: Take up liquid spill into absorbent material. Absorb spilled material with sand or earth. Shovel or sweep up and put in a closed container for disposal. Clean contaminated surfaces with an excess of water.
Other information	: Dispose of materials or solid residues at an authorized site.

# FARECLA G3 PRO GLASS CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions	: Store in a well-ventilated place. Keep cool. Keep at temperatures above freezing. Allowing freezing conditions may degrade product.
Incompatible products	: Oxidizing agent. Strong bases.
Information on mixed storage	: Store away from foodstuffs.
Storage area	: Store away from heat. Store in a well-ventilated place.
Special rules on packaging	: Keep only in original container. Store in a closed container.

### 7.3. Specific end use(s)

Refer to Section 1.2 - Relevant identified uses.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

Propan-2-ol (67-63-0)	
<b>Austria - Occupational Exposure Limits</b>	
MAK (OEL TWA)	500 mg/m <sup>3</sup>
MAK (OEL TWA) [ppm]	200 ppm
MAK (OEL STEL)	2000 mg/m <sup>3</sup> 2000 mg/m <sup>3</sup> (STEL for large casting valid until December 31, 2013)
MAK (OEL STEL) [ppm]	800 ppm 800 ppm (STEL for large casting valid until December 31, 2013)
OEL chemical category	Group C Carcinogen by manufacturing of strong Acid process
<b>Belgium - Occupational Exposure Limits</b>	
Local name	Alcool isopropylique # Isopropylalcohol
OEL TWA	500 mg/m <sup>3</sup>
OEL TWA [ppm]	200 ppm
OEL STEL	1000 mg/m <sup>3</sup>
OEL STEL [ppm]	400 ppm
Regulatory reference	Koninklijk besluit/Arrêté royal 21/01/2020
<b>Bulgaria - Occupational Exposure Limits</b>	
Local name	Изопропилов алкохол
OEL TWA	980 mg/m <sup>3</sup>
OEL STEL	1225 mg/m <sup>3</sup>

# FARECLA G3 PRO GLASS CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

<b>Propan-2-ol (67-63-0)</b>	
Regulatory reference	Наредба № 13 от 30.12.2003 г. за защита на работещите от рискове, свързани с експозиция на химични агенти при работа (изм. и доп. ДВ. бр.5 от 17 Януари 2020 г.)
<b>Croatia - Occupational Exposure Limits</b>	
GVI (OEL TWA) [1]	999 mg/m <sup>3</sup>
GVI (OEL TWA) [2]	400 ppm
KGVI (OEL STEL)	1250 mg/m <sup>3</sup>
KGVI (OEL STEL) [ppm]	500 ppm
<b>Croatia - Biological limit values</b>	
BLV	50 mg/l Parameter: Acetone - Medium: blood - Sampling time: at the end of the work shift 50 mg/l Parameter: Acetone - Medium: urine - Sampling time: at the end of the work shift
<b>Czech Republic - Occupational Exposure Limits</b>	
Local name	iso-Propanol (2-Propanol; iso-Propylalkohol)
PEL (OEL TWA)	500 mg/m <sup>3</sup>
PEL (OEL TWA) [ppm]	204 ppm
NPK-P (OEL C)	1000 mg/m <sup>3</sup>
NPK-P (OEL C) [ppm]	410 ppm
OEL chemical category	Potential for cutaneous absorption
Regulatory reference	Nařízení vlády č. 361/2007 Sb. (zpracovány změny č. 246/2018 Sb.)
<b>Denmark - Occupational Exposure Limits</b>	
OEL TWA [1]	490 mg/m <sup>3</sup>
OEL TWA [2]	200 ppm
<b>Estonia - Occupational Exposure Limits</b>	
OEL TWA	350 mg/m <sup>3</sup>
OEL TWA [ppm]	150 ppm
OEL STEL	600 mg/m <sup>3</sup>
OEL STEL [ppm]	250 ppm
<b>Finland - Occupational Exposure Limits</b>	
HTP (OEL TWA) [1]	500 mg/m <sup>3</sup> (Propanol)
HTP (OEL TWA) [2]	200 ppm (Propanol)
HTP (OEL STEL)	620 mg/m <sup>3</sup>
HTP (OEL STEL) [ppm]	250 ppm
<b>France - Occupational Exposure Limits</b>	
Local name	Alcool isopropylique
VLE (OEL C/STEL)	980 mg/m <sup>3</sup>
VLE (OEL C/STEL) [ppm]	400 ppm
Remark	Valeurs recommandées/admises
Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 984, 2016)
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
Local name	Propan-2-ol

# FARECLA G3 PRO GLASS CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

<b>Propan-2-ol (67-63-0)</b>	
AGW (OEL TWA) [1]	500 mg/m <sup>3</sup> (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
AGW (OEL TWA) [2]	200 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Peak exposure limitation factor	2(II)
Remark	DFG;Y
Regulatory reference	TRGS900
<b>Germany - Biological limit values (TRGS 903)</b>	
Biological limit value	25 mg/l Parameter: Acetone - Medium: whole blood - Sampling time: end of shift 25 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift
<b>Greece - Occupational Exposure Limits</b>	
Local name	Ισοπροπυλική αλκοόλη
OEL TWA	980 mg/m <sup>3</sup>
OEL TWA [ppm]	400 ppm
OEL STEL	1225 mg/m <sup>3</sup>
OEL STEL [ppm]	500 ppm
Regulatory reference	Π.Δ. 90/1999
<b>Hungary - Occupational Exposure Limits</b>	
AK (OEL TWA)	500 mg/m <sup>3</sup>
CK (OEL STEL)	2000 mg/m <sup>3</sup>
OEL chemical category	Potential for cutaneous absorption
<b>Ireland - Occupational Exposure Limits</b>	
Local name	Isopropyl alcohol [Propan-2-ol]
OEL TWA [2]	200 ppm
OEL STEL [ppm]	400 ppm
OEL chemical category	Potential for cutaneous absorption
Regulatory reference	Chemical Agents Code of Practice 2020
<b>Latvia - Occupational Exposure Limits</b>	
OEL TWA	350 mg/m <sup>3</sup>
<b>Lithuania - Occupational Exposure Limits</b>	
IPRV (OEL TWA)	350 mg/m <sup>3</sup>
IPRV (OEL TWA) [ppm]	150 ppm
TPRV (OEL STEL)	600 mg/m <sup>3</sup>
TPRV (OEL STEL) [ppm]	250 ppm
<b>Poland - Occupational Exposure Limits</b>	
Local name	Propan-2-ol (izopropylowy alkohol)
NDS (OEL TWA)	900 mg/m <sup>3</sup>
NDSCh (OEL STEL)	1200 mg/m <sup>3</sup>
Regulatory reference	Dz. U. 2018 poz. 1286

# FARECLA G3 PRO GLASS CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Propan-2-ol (67-63-0)	
<b>Portugal - Occupational Exposure Limits</b>	
OEL TWA [ppm]	200 ppm
OEL STEL [ppm]	400 ppm
OEL chemical category	A4 - Not Classifiable as a Human Carcinogen
<b>Romania - Occupational Exposure Limits</b>	
OEL TWA	200 mg/m <sup>3</sup>
OEL TWA [ppm]	81 ppm
OEL STEL	500 mg/m <sup>3</sup>
OEL STEL [ppm]	203 ppm
<b>Romania - Biological limit values</b>	
BLV	50 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift
<b>Slovakia - Occupational Exposure Limits</b>	
NPHV (OEL TWA) [1]	500 mg/m <sup>3</sup>
NPHV (OEL TWA) [2]	200 ppm
NPHV (OEL C)	1000 mg/m <sup>3</sup>
<b>Slovenia - Occupational Exposure Limits</b>	
OEL TWA	500 mg/m <sup>3</sup>
OEL TWA [ppm]	200 ppm
OEL STEL	1000 mg/m <sup>3</sup>
OEL STEL [ppm]	400 ppm
<b>Spain - Occupational Exposure Limits</b>	
Local name	Isopropanol (Alcohol isopropílico)
VLA-ED (OEL TWA) [1]	500 mg/m <sup>3</sup> (the partial or complete commercialization or use of this substance as a phytosanitary or biocide compound is prohibited)
VLA-ED (OEL TWA) [2]	200 ppm (the partial or complete commercialization or use of this substance as a phytosanitary or biocide compound is prohibited)
VLA-EC (OEL STEL)	1000 mg/m <sup>3</sup>
VLA-EC (OEL STEL) [ppm]	400 ppm
Remark	VLB® (Agente químico que tiene Valor Límite Biológico), s (Esta sustancia tiene prohibida total o parcialmente su comercialización y uso como fitosanitario y/o como biocida. Para una información detallada acerca de las prohibiciones consúltese: Base de datos de productos biocidas: <a href="http://www.msssi.gob.es/ciudadanos/productos.do?tipo=plaguicidas">http://www.msssi.gob.es/ciudadanos/productos.do?tipo=plaguicidas</a> Base de datos de productos fitosanitarios <a href="http://www.magrama.gob.es/agricultura/pags/fitos/registro/fichas/pdf/Lista_sa.pdf">http://www.magrama.gob.es/agricultura/pags/fitos/registro/fichas/pdf/Lista_sa.pdf</a> ).
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2019. INSHT
<b>Spain - Biological limit values</b>	
Local name	Isopropanol (Alcohol isopropílico)
BLV	40 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of workweek
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2019. INSHT
<b>Sweden - Occupational Exposure Limits</b>	
Local name	Isopropanol

# FARECLA G3 PRO GLASS CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

<b>Propan-2-ol (67-63-0)</b>	
NGV (OEL TWA)	350 mg/m <sup>3</sup>
NGV (OEL TWA) [ppm]	150 ppm
KTV (OEL STEL)	600 mg/m <sup>3</sup>
KTV (OEL STEL) [ppm]	250 ppm
Regulatory reference	Hygieniska gränsvärden (AFS 2018:1)
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	Propan-2-ol
WEL TWA (OEL TWA) [1]	999 mg/m <sup>3</sup>
WEL TWA (OEL TWA) [2]	400 ppm
WEL STEL (OEL STEL)	1250 mg/m <sup>3</sup>
WEL STEL (OEL STEL) [ppm]	500 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
<b>Norway - Occupational Exposure Limits</b>	
Local name	2-propanol (Isopropanol)
Grenseverdi (OEL TWA) [1]	245 mg/m <sup>3</sup>
Grenseverdi (OEL TWA) [2]	100 ppm
Korttidsverdi (OEL STEL)	306.25 mg/m <sup>3</sup> (value calculated)
Korttidsverdi (OEL STEL) [ppm]	125 ppm (value calculated)
Regulatory reference	FOR-2018-08-21-1255
<b>Switzerland - Occupational Exposure Limits</b>	
Local name	2-Propanol / 2-Propanol [iso-Propylalkohol, Isopropanol, Isopropylalkohol]
MAK (OEL TWA) [1]	500 mg/m <sup>3</sup>
MAK (OEL TWA) [2]	200 ppm
KZGW (OEL STEL)	1000 mg/m <sup>3</sup>
KZGW (OEL STEL) [ppm]	400 ppm
Critical toxicity	VRS, Foie, SNC, Yeux / OAW, Leber, ZNS, Auge
Notation	SSc, B / SSc, B
Remark	INRS, NIOSH
Regulatory reference	www.suva.ch, 01.01.2020
<b>Switzerland - BAT</b>	
BAT	25 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift 25 mg/l Parameter: Acetone - Medium: whole blood - Sampling time: end of shift
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	2-Propanol
ACGIH OEL TWA [ppm]	200 ppm
ACGIH OEL STEL [ppm]	400 ppm
Remark (ACGIH)	TLV® Basis: Eye & URT irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI
ACGIH chemical category	Not Classifiable as a Human Carcinogen
Regulatory reference	ACGIH 2019



# FARECLA G3 PRO GLASS CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

<b>Propan-2-ol (67-63-0)</b>	
<b>USA - ACGIH - Biological Exposure Indices</b>	
Local name	2-PROPANOL
BEI	40 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift at end of workweek (background, nonspecific)
Regulatory reference	ACGIH 2019
<b>2-butoxyethanol (111-76-2)</b>	
<b>EU - Indicative Occupational Exposure Limit (IOEL)</b>	
IOEL TWA	98 mg/m <sup>3</sup>
IOEL TWA [ppm]	20 ppm
IOEL STEL	246 mg/m <sup>3</sup>
IOEL STEL [ppm]	50 ppm
Remark	Possibility of significant uptake through the skin
<b>Austria - Occupational Exposure Limits</b>	
MAK (OEL TWA)	98 mg/m <sup>3</sup>
MAK (OEL TWA) [ppm]	20 ppm
MAK (OEL STEL)	200 mg/m <sup>3</sup>
MAK (OEL STEL) [ppm]	40 ppm
OEL chemical category	Skin notation
<b>Belgium - Occupational Exposure Limits</b>	
Local name	2-Butoxyéthanol # 2-Butoxy-ethanol
OEL TWA	98 mg/m <sup>3</sup>
OEL TWA [ppm]	20 ppm
OEL STEL	246 mg/m <sup>3</sup>
OEL STEL [ppm]	50 ppm
Remark	D: la mention "D" signifie que la résorption de l'agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l'exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l'agent dans l'air. # D: de vermelding "D" betekent dat de opname van het agens via de huid, de slijmvliezen of de ogen een belangrijk deel van de totale blootstelling vormt. Deze opname kan het gevolg zijn van zowel direct contact als zijn aanwezigheid in de lucht.
OEL chemical category	Skin, Skin notation
Regulatory reference	Koninklijk besluit/Arrêté royal 19/11/2020
<b>Bulgaria - Occupational Exposure Limits</b>	
Local name	2-Бутоксиетанол
OEL TWA	98 mg/m <sup>3</sup>
OEL TWA [ppm]	20 ppm
OEL STEL	246 mg/m <sup>3</sup>
OEL STEL [ppm]	50 ppm
Remark	Кожа (възможна е значителна резорбция чрез кожата); • (Химични агенти, за които са определени гранични стойности във въздуха на работната среда за Европейската общност)

# FARECLA G3 PRO GLASS CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

<b>2-butoxyethanol (111-76-2)</b>	
Regulatory reference	Наредба № 13 от 30.12.2003 г. за защита на работещите от рискове, свързани с експозиция на химични агенти при работа (изм. и доп. ДВ. бр.5 от 17 Януари 2020 г.)
<b>Croatia - Occupational Exposure Limits</b>	
GVI (OEL TWA) [1]	98 mg/m <sup>3</sup>
GVI (OEL TWA) [2]	20 ppm
KGVI (OEL STEL)	246 mg/m <sup>3</sup>
KGVI (OEL STEL) [ppm]	50 ppm
OEL chemical category	Skin notation
<b>Cyprus - Occupational Exposure Limits</b>	
OEL TWA	98 mg/m <sup>3</sup>
OEL TWA [ppm]	20 ppm
OEL STEL	246 mg/m <sup>3</sup>
OEL STEL [ppm]	50 ppm
OEL chemical category	Skin-potential for cutaneous absorption
<b>Czech Republic - Occupational Exposure Limits</b>	
Local name	2-Butoxyethanol (Butylcellosolv; Ethylenglykolmonobutylether)
PEL (OEL TWA)	100 mg/m <sup>3</sup>
PEL (OEL TWA) [ppm]	20 ppm
NPK-P (OEL C)	200 mg/m <sup>3</sup>
NPK-P (OEL C) [ppm]	41 ppm
OEL chemical category	Potential for cutaneous absorption
Regulatory reference	Nařízení vlády č. 361/2007 Sb. (Předpis 41/2020 Sb.)
<b>Czech Republic - Biological limit values</b>	
Local name	2-Butoxyethanol (Butylcellosolv, Ethylenglykolmonobutylether)
BLV	200 mg/g creatinine Parameter: Butoxyacetic acid - Medium: urine - Sampling time: end of shift at end of workweek (after hydrolysis) 0.17 mmol/mmol Creatinine Parameter: Butoxyacetic acid - Medium: urine - Sampling time: end of shift at end of workweek (after hydrolysis)
Regulatory reference	Vyhláška č. 107/2013 Sb. (kterou se mění vyhláška č. 432/2003 Sb.)
<b>Denmark - Occupational Exposure Limits</b>	
OEL TWA [1]	98 mg/m <sup>3</sup>
OEL TWA [2]	20 ppm
OEL chemical category	Potential for cutaneous absorption
<b>Estonia - Occupational Exposure Limits</b>	
OEL TWA	98 mg/m <sup>3</sup>
OEL TWA [ppm]	20 ppm
OEL STEL	246 mg/m <sup>3</sup>
OEL STEL [ppm]	50 ppm
OEL chemical category	Sensitizer, Skin notation

# FARECLA G3 PRO GLASS CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

<b>2-butoxyethanol (111-76-2)</b>	
<b>Finland - Occupational Exposure Limits</b>	
Local name	2-Butoksietanoli
HTP (OEL TWA) [1]	98 mg/m <sup>3</sup>
HTP (OEL TWA) [2]	20 ppm
HTP (OEL STEL)	250 mg/m <sup>3</sup>
HTP (OEL STEL) [ppm]	50 ppm
OEL chemical category	Potential for cutaneous absorption
Regulatory reference	HTP-ARVOT 2020 (Sosiaali- ja terveystieteiden ministeriö)
<b>France - Occupational Exposure Limits</b>	
Local name	2-Butoxyéthanol (Butylglycol)
VME (OEL TWA)	49 mg/m <sup>3</sup> (restrictive limit)
VME (OEL TWA) [ppm]	10 ppm (restrictive limit)
VLE (OEL C/STEL)	246 mg/m <sup>3</sup> (restrictive limit)
VLE (OEL C/STEL) [ppm]	50 ppm (restrictive limit)
Remark	Valeurs réglementaires contraignantes; risque de pénétration percutanée
OEL chemical category	Risk of cutaneous absorption
Regulatory reference	Article R4412-149 du Code du travail (réf.: INRS ED 984, 2016; Décret n° 2019-1487)
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
Local name	2-Butoxyethanol
AGW (OEL TWA) [1]	49 mg/m <sup>3</sup> (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
AGW (OEL TWA) [2]	10 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Peak exposure limitation factor	2(l)
Remark	EU;DFG;H;Y
Chemical category	Skin notation
Regulatory reference	TRGS900
<b>Germany - Biological limit values (TRGS 903)</b>	
Biological limit value	150 mg/g creatinine Parameter: Butoxyacetic acid (after hydrolysis) - Medium: urine - Sampling time: for long-term exposures: at the end of the shift after several shifts 150 mg/g creatinine Parameter: Butoxyacetic acid (after hydrolysis) - Medium: urine - Sampling time: end of shift
<b>Gibraltar - Occupational Exposure Limits</b>	
OEL TWA	98 mg/m <sup>3</sup>
OEL TWA [ppm]	20 ppm
OEL STEL	246 mg/m <sup>3</sup>
OEL STEL [ppm]	50 ppm
OEL chemical category	Skin notation
<b>Greece - Occupational Exposure Limits</b>	
Local name	Βουτοξυ-αιθανόλη, 2-
OEL TWA	120 mg/m <sup>3</sup>

# FARECLA G3 PRO GLASS CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

<b>2-butoxyethanol (111-76-2)</b>	
OEL TWA [ppm]	25 ppm
OEL chemical category	skin - potential for cutaneous absorption
Regulatory reference	Π.Δ. 90/1999 - Προστασία της υγείας των εργαζομένων που εκτίθενται σε ορισμένους χημικούς παράγοντες κατά τη διάρκεια της εργασίας τους
<b>Hungary - Occupational Exposure Limits</b>	
AK (OEL TWA)	98 mg/m <sup>3</sup>
CK (OEL STEL)	246 mg/m <sup>3</sup>
OEL chemical category	Potential for cutaneous absorption
<b>Ireland - Occupational Exposure Limits</b>	
Local name	2-Butoxyethanol (EGBE) [Ethylene glycol monobutyl ether]
OEL TWA [1]	98 mg/m <sup>3</sup>
OEL TWA [2]	20 ppm
OEL STEL	246 mg/m <sup>3</sup>
OEL STEL [ppm]	50 ppm
OEL chemical category	Potential for cutaneous absorption
Regulatory reference	Chemical Agents Code of Practice 2020
<b>Italy - Occupational Exposure Limits</b>	
Local name	Butossietanolo-2
OEL TWA	98 mg/m <sup>3</sup>
OEL TWA [ppm]	20 ppm
OEL STEL	246 mg/m <sup>3</sup>
OEL STEL [ppm]	50 ppm
Remark	Cute
OEL chemical category	skin - potential for cutaneous absorption
Regulatory reference	Allegato XXXVIII del D.Lgs. 9 aprile 2008, n. 81 e s.m.i.
<b>Latvia - Occupational Exposure Limits</b>	
OEL TWA	98 mg/m <sup>3</sup>
OEL TWA [ppm]	20 ppm
OEL chemical category	skin - potential for cutaneous exposure
<b>Lithuania - Occupational Exposure Limits</b>	
IPRV (OEL TWA)	50 mg/m <sup>3</sup>
IPRV (OEL TWA) [ppm]	10 ppm
TPRV (OEL STEL)	100 mg/m <sup>3</sup>
TPRV (OEL STEL) [ppm]	20 ppm
OEL chemical category	Skin notation
<b>Luxembourg - Occupational Exposure Limits</b>	
OEL TWA	98 mg/m <sup>3</sup>
OEL TWA [ppm]	20 ppm
OEL STEL	246 mg/m <sup>3</sup>

# FARECLA G3 PRO GLASS CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

<b>2-butoxyethanol (111-76-2)</b>	
OEL STEL [ppm]	50 ppm
OEL chemical category	Possibility of significant uptake through the skin
<b>Malta - Occupational Exposure Limits</b>	
OEL TWA	98 mg/m <sup>3</sup>
OEL TWA [ppm]	20 ppm
OEL STEL	246 mg/m <sup>3</sup>
OEL STEL [ppm]	50 ppm
OEL chemical category	Possibility of significant uptake through the skin
<b>Netherlands - Occupational Exposure Limits</b>	
Local name	2-Butoxyethanol
TGG-8u (OEL TWA)	100 mg/m <sup>3</sup>
TGG-15min (OEL STEL)	246 mg/m <sup>3</sup>
Remark	H (Huidopname) Stoffen die relatief gemakkelijk door de huid kunnen worden opgenomen, hetgeen een substantiële bijdrage kan betekenen aan de totale inwendige blootstelling, hebben in de lijst een H-aanduiding. Bij deze stoffen moeten naast maatregelen tegen inademing ook adequate maatregelen ter voorkoming van huidcontact worden genomen.
MAC chemical category	Skin notation
Regulatory reference	Arbeidsomstandighedenregeling 2021
<b>Poland - Occupational Exposure Limits</b>	
Local name	2-Butoksyetanol (butoksyetylowy alkohol)
NDS (OEL TWA)	98 mg/m <sup>3</sup>
NDSCh (OEL STEL)	200 mg/m <sup>3</sup>
Regulatory reference	Dz. U. 2018 poz. 1286
<b>Portugal - Occupational Exposure Limits</b>	
OEL TWA	98 mg/m <sup>3</sup> (indicative limit value)
OEL TWA [ppm]	20 ppm (indicative limit value)
OEL STEL	246 mg/m <sup>3</sup> (indicative limit value)
OEL STEL [ppm]	50 ppm (indicative limit value)
OEL chemical category	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans, skin - potential for cutaneous exposure indicative limit value
<b>Romania - Occupational Exposure Limits</b>	
OEL TWA	98 mg/m <sup>3</sup>
OEL TWA [ppm]	20 ppm
OEL STEL	246 mg/m <sup>3</sup>
OEL STEL [ppm]	50 ppm
OEL chemical category	Skin notation
<b>Slovakia - Occupational Exposure Limits</b>	
NPHV (OEL TWA) [1]	98 mg/m <sup>3</sup>
NPHV (OEL TWA) [2]	20 ppm
NPHV (OEL C)	246 mg/m <sup>3</sup>

# FARECLA G3 PRO GLASS CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

<b>2-butoxyethanol (111-76-2)</b>	
OEL chemical category	Potential for cutaneous absorption
<b>Slovenia - Occupational Exposure Limits</b>	
OEL TWA	98 mg/m <sup>3</sup>
OEL TWA [ppm]	20 ppm
OEL STEL	246 mg/m <sup>3</sup>
OEL STEL [ppm]	50 ppm
OEL chemical category	Potential for cutaneous absorption
<b>Spain - Occupational Exposure Limits</b>	
Local name	2-Butoxietanol (Butil cellosolve; Éter monobutílico del etilenglicol)
VLA-ED (OEL TWA) [1]	98 mg/m <sup>3</sup> (indicative limit value)
VLA-ED (OEL TWA) [2]	20 ppm (indicative limit value)
VLA-EC (OEL STEL)	245 mg/m <sup>3</sup>
VLA-EC (OEL STEL) [ppm]	50 ppm
Remark	Vía dérmica (Indica que, en las exposiciones a esta sustancia, la aportación por la vía cutánea puede resultar significativa para el contenido corporal total si no se adoptan medidas para prevenir la absorción. En estas situaciones, es aconsejable la utilización del control biológico para poder cuantificar la cantidad global absorbida del contaminante), VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo), VLB® (Agente químico que tiene Valor Límite Biológico).
OEL chemical category	skin - potential for cutaneous absorption
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2019. INSHT
<b>Spain - Biological limit values</b>	
Local name	2-Butoxietanol (Butil cellosolve; Éter monobutílico del etilenglicol)
BLV	200 mg/g creatinine Parameter: Butoxyacetic acid (with hydrolysis) - Medium: urine - Sampling time: end of shift (with hydrolysis)
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2019. INSHT
<b>Sweden - Occupational Exposure Limits</b>	
Local name	Etylenglykolmonobutyleter (2-Butoxietanol)
NGV (OEL TWA)	50 mg/m <sup>3</sup>
NGV (OEL TWA) [ppm]	10 ppm
KTV (OEL STEL)	246 mg/m <sup>3</sup>
KTV (OEL STEL) [ppm]	50 ppm
OEL chemical category	Skin notation
Regulatory reference	Hygieniska gränsvärden (AFS 2018:1)
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	2-Butoxyethanol
WEL TWA (OEL TWA) [1]	123 mg/m <sup>3</sup>
WEL TWA (OEL TWA) [2]	25 ppm
WEL STEL (OEL STEL)	246 mg/m <sup>3</sup>
WEL STEL (OEL STEL) [ppm]	50 ppm

# FARECLA G3 PRO GLASS CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

<b>2-butoxyethanol (111-76-2)</b>	
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
WEL chemical category	Potential for cutaneous absorption
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
<b>United Kingdom - Biological limit values</b>	
Local name	2-Butoxyethanol
BMGV	240 mmol/mol Creatinine Parameter: butoxyacetic acid - Medium: urine - Sampling time: Post shift
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
<b>Norway - Occupational Exposure Limits</b>	
Local name	2-butoksyetanol (Butylglykol; Etylenglykolmonobutyleter)
Greenseverdi (OEL TWA) [1]	50 mg/m <sup>3</sup>
Greenseverdi (OEL TWA) [2]	10 ppm
Korttidsverdi (OEL STEL)	75 mg/m <sup>3</sup> (value calculated)
Korttidsverdi (OEL STEL) [ppm]	15 ppm (value calculated)
OEL chemical category	Skin notation
Regulatory reference	FOR-2020-04-06-695
<b>Switzerland - Occupational Exposure Limits</b>	
Local name	2-Butoxyéthanol / 2-Butoxyethanol [Butylglykol, Ethylenglykolmonobutylether]
MAK (OEL TWA) [1]	49 mg/m <sup>3</sup>
MAK (OEL TWA) [2]	10 ppm
KZGW (OEL STEL)	98 mg/m <sup>3</sup>
KZGW (OEL STEL) [ppm]	20 ppm
Critical toxicity	VRS, Yeux / OAW, Auge
Notation	R, SSc, B / H, SSc, B
Remark	INRS, HSE, NIOSH
OEL chemical category	Skin notation
Regulatory reference	www.suva.ch, 01.01.2021
<b>Switzerland - BAT</b>	
BAT	150 mg/g creatinine Parameter: 2-Butoxyacetic acid (after hydrolysis) - Medium: urine - Sampling time: end of shift, and after several shifts (for long-term exposures)
<b>Turkey - Occupational Exposure Limits</b>	
OEL TWA	98 mg/m <sup>3</sup>
OEL TWA [ppm]	20 ppm
OEL STEL	246 mg/m <sup>3</sup>
OEL STEL [ppm]	50 ppm
OEL chemical category	Skin notation
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	2-Butoxyethanol (EGBE)
ACGIH OEL TWA [ppm]	20 ppm

# FARECLA G3 PRO GLASS CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

2-butoxyethanol (111-76-2)	
Remark (ACGIH)	TLV® Basis: Eye & URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
Regulatory reference	ACGIH 2021
USA - ACGIH - Biological Exposure Indices	
Local name	2- BUTOXYETHANOL
BEI	200 mg/g creatinine Parameter: Butoxyacetic acid with hydrolysis - Medium: urine - Sampling time: end of shift
Regulatory reference	ACGIH 2021

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Gloves. Safety glasses.

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses. Chemical goggles or safety glasses

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

Examples of preferred glove barrier materials include: Butyl rubber. Natural rubber ("latex"). Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyethylene. Ethyl vinyl alcohol laminate ("EVAL"). Polyvinyl alcohol ("PVA"). Polyvinyl chloride ("PVC" or "vinyl").

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

No personal respiratory protective equipment normally required. In inadequately ventilated areas, where workplace limits are exceeded, where unpleasant odours exist or where aerosols are in use, or smoke and mist occur, use self-contained breathing apparatus or breathing apparatus with a type A filter or appropriate combined filter (e.g. where aerosols are in use, or smoke and mist occur, A-P2 or ABEK-P2), in compliance with EN 141.



# FARECLA G3 PRO GLASS CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: Purple.
Odour	: alcohol-like.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: ≈ 100 °C
Flammability	: Not applicable
Explosive properties	: Product is not explosive.
Oxidising properties	: Non oxidizing material according to EC criteria.
Explosive limits	: Not available
Lower explosive limit (LEL)	: Not available
Upper explosive limit (UEL)	: Not available
Flash point	: > 93 °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: 3 – 4
Viscosity, kinematic	: Not available
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: Not available
Relative density	: 0.98 – 1
Relative vapour density at 20 °C	: Not available
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle aggregation state	: Not applicable
Particle agglomeration state	: Not applicable
Particle specific surface area	: Not applicable
Particle dustiness	: Not applicable

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

VOC content : 100 g/l

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

# FARECLA G3 PRO GLASS CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

Strong bases. Strong oxidizers.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not Classified  
Acute toxicity (dermal) : Not Classified  
Acute toxicity (inhalation) : Not Classified

Propan-2-ol (67-63-0)	
LD50 oral rat	5840 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 oral	4384 mg/kg
LD50 dermal rabbit	4059 mg/kg
LC50 Inhalation - Rat	72600 mg/m <sup>3</sup> (Exposure time: 4 h)

2-butoxyethanol (111-76-2)	
LD50 oral rat	1746 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1322 - 2301
LD50 oral	1414 mg/kg bodyweight Animal: guinea pig, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1020 - 1961
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	435 mg/kg
LD50 dermal	220 mg/kg
LC50 Inhalation - Rat [ppm]	486 ppm/4h
LC50 Inhalation - Rat (Vapours)	2.03 mg/l/4h

Skin corrosion/irritation : Not Classified.  
pH: 3 – 4  
Serious eye damage/irritation : Causes serious eye irritation.  
pH: 3 – 4  
Respiratory or skin sensitisation : Not Classified  
Germ cell mutagenicity : Not Classified  
Carcinogenicity : Not Classified

Propan-2-ol (67-63-0)	
IARC group	3 - Not classifiable

2-butoxyethanol (111-76-2)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not Classified  
STOT-single exposure : Not Classified

# FARECLA G3 PRO GLASS CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### Propan-2-ol (67-63-0)

STOT-single exposure : May cause drowsiness or dizziness.

STOT-repeated exposure : Not Classified.

### 2-butoxyethanol (111-76-2)

NOAEL (dermal, rat/rabbit, 90 days) : > 150 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)

Aspiration hazard : Not Classified

## 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not Classified

Hazardous to the aquatic environment, long-term (chronic) : Not Classified

Not rapidly degradable

### Propan-2-ol (67-63-0)

LC50 - Fish [1] : 9640 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])

LC50 - Fish [2] : 11130 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

EC50 - Crustacea [1] : 13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)

EC50 72h - Algae [1] : > 1000 mg/l (Species: Desmodesmus subspicatus)

EC50 96h - Algae [1] : > 1000 mg/l (Species: Desmodesmus subspicatus)

### 2-butoxyethanol (111-76-2)

LC50 - Fish [1] : 1474 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)

LC50 - Fish [2] : 2950 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)

EC50 - Crustacea [1] : ≈ 1800 mg/l Test organisms (species): Daphnia magna

EC50 72h - Algae [1] : 911 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

EC50 72h - Algae [2] : 1840 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

NOEC (chronic) : 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

NOEC chronic fish : > 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '21 d'

## 12.2. Persistence and degradability

### FARECLA G3 PRO GLASS CLEANER

Persistence and degradability : Rapidly biodegradable.

# FARECLA G3 PRO GLASS CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 12.3. Bioaccumulative potential

#### FARECLA G3 PRO GLASS CLEANER

Bioaccumulative potential	No indication of bio-accumulation potential.
---------------------------	--

#### Propan-2-ol (67-63-0)

Partition coefficient n-octanol/water (Log Pow)	0.05 (at 25 °C)
---	-----------------

Partition coefficient n-octanol/water (Log Kow)	0.05
---	------

#### 2-butoxyethanol (111-76-2)

Partition coefficient n-octanol/water (Log Pow)	0.81 (at 25 °C)
---	-----------------

Partition coefficient n-octanol/water (Log Kow)	0.83
---	------

### 12.4. Mobility in soil

#### FARECLA G3 PRO GLASS CLEANER

Ecology - soil	Readily absorbed into soil.
----------------	-----------------------------

### 12.5. Results of PBT and vPvB assessment

#### FARECLA G3 PRO GLASS CLEANER

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
European List of Waste (LoW) code	: 07 01 01* - aqueous washing liquids and mother liquors
HP Code	: HP4 - "Irritant — skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.
Hazardous Waste Group	: H - Organic chemicals without halogen or sulfur (eg. water-based glue, varnish or paint) or mixed organic and inorganic substances.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.2. UN proper shipping name</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

# FARECLA G3 PRO GLASS CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

ADR	IMDG	IATA	ADN	RID
<b>14.4. Packing group</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

### 14.6. Special precautions for user

#### Overland transport

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

#### Inland waterway transport

Not regulated

#### Rail transport

Not regulated

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

EU restriction list (REACH Annex XVII)	
Reference code	Applicable on
3(a)	Propan-2-ol
3(b)	FARECLA G3 PRO GLASS CLEANER ; Propan-2-ol ; 2-butoxyethanol
40.	Propan-2-ol

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

VOC content : 100 g/l

CESIO recommendations : The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

# FARECLA G3 PRO GLASS CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 15.1.2. National regulations

France	
Occupational diseases	
Code	Description
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide

### Germany

Employment restrictions	: Observe restrictions according Act on the Protection of Working Mothers (MuSchG) Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)
Water hazard class (WGK)	: WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1)
Hazardous Incident Ordinance (12. BImSchV)	: Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

### Netherlands

SZW-lijst van kankerverwekkende stoffen	: None of the components are listed
SZW-lijst van mutagene stoffen	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Borstvoeding	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling	: None of the components are listed

### Denmark

Classification remarks	: Emergency management guidelines for the storage of flammable liquids must be followed
Danish National Regulations	: Young people below the age of 18 years are not allowed to use the product Pregnant/breastfeeding women working with the product must not be in direct contact with the product

### Switzerland

Storage class (LK)	: LK 10/12 - Liquids
--------------------	----------------------

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level

# FARECLA G3 PRO GLASS CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Abbreviations and acronyms:	
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
SDS	Safety Data Sheet
STP	Sewage treatment plant
TLM	Median Tolerance Limit
vPvB	Very Persistent and Very Bioaccumulative
BLV	Biological limit value
CAS-No.	Chemical Abstract Service number
EC-No.	European Community number
EN	European Standard
OEL	Occupational Exposure Limit
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
WGK	Water Hazard Class

Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis

Safety Data Sheet (SDS), EU

While Farecla Products Ltd. believes that the data and information contained herein are factual and the opinions are those of qualified experts, they are not to be taken as a warranty or representation for which Farecla assumes any legal responsibility. They are offered solely for the consideration, investigation, data and information in accordance with applicable laws and regulations.