

Page 1/8

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 23.05.2024

Version number 1

Revision: 23.05.2024

1.1 Product identifier	
	ring Liquid (blue, grey, pink, neutral, red, yellow, green) nce or mixture and uses advised against
Application of the substance / the mixtur	e Auxiliary for dental technology
1.3 Details of the supplier of the safety do Manufacturer/Supplier: GC EUROPE N.V. Interleuvenlaan 33 B-3001 Leuven Fel. +32/(0)16/74.10.00 Fax +32/(0)16/40.26.84 nsds@gc.dental	ata sheet
Further information obtainable from: Re 1.4 Emergency telephone number: National poison center for United Kingdo. Belfast: +44 28 90 63 2032 Birmingham: +44 121 507 4123 Edinburgh: +44 131 242 1383 Newcastle Upon Tyne: +44 191 2606182/ Penarth: +44 292 071 55 54	m of Great Britain and Northern Ireland:

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

· 2.2 Label elements

- · Labelling according to Regulation (EC) No 1272/2008
- The product is classified and labelled according to the GB CLP regulation.
- · Exemptions

The product, regulated as an invasive medical device by the Regulation (EC) 2017/745, is exempted from labelling requirements for substances and mixtures (according to the provision of the Art 1.5).

· Hazard pictograms



Signal word Warning
 Hazard statements
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.

(Contd. on page 2)

GB

according to Regulation (EC) No 190

Printing date 23.05.2024

Version number 1

Revision: 23.05.2024

Trade name: GC_Initial_Zirconia_Coloring_Liquid_(blue,_grey,_pink,_neutral,_red,_yellow,_green))

	(Contd. of page 1)
· Precautionary	statements
P264	Wash thoroughly after handling.
P280	Wear protective gloves / eye protection / face protection.
P305+P351+P	338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P337+P313	If eye irritation persists: Get medical advice/attention.
· 2.3 Other hazar	rds
· Results of PBT	and vPvB assessment
· PBT: Not appli	cable.
• vPvB: Not appl	icable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

• Description:

Only substances required to be mentioned according to Annex II of regulation 1907/2006 are listed. Information on the other substances that may be present can be obtained upon request.

· Dangerous components:

• •		
CAS: 10024-93-8	Neodymiumchloride Hydrate	≥10-<20%
EINECS: 233-031-5	Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	
• Additional informati	on: For the wording of the listed hazard phrases refer to section 16.	

SECTION 4: First aid measures

• 4.1 Description of first aid measures

• General information:

Immediately remove any clothing soiled by the product. If symptoms persist consult doctor.

• After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. Take affected persons into fresh air and keep quiet.

- *After skin contact: Immediately wash with water and soap and rinse thoroughly.*
- *If skin irritation continues, consult a doctor.*
- *After eye contact:* Protect unharmed eye. Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing:
- Rinse out mouth and then drink plenty of water.
- If symptoms persist consult doctor.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- + 4.3 Indication of any immediate medical attention and special treatment needed
- No further relevant information available.

(Contd. on page 3)

GB

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 23.05.2024

Version number 1

Revision: 23.05.2024

Trade name: GC_Initial_Zirconia_Coloring_Liquid_(blue,_grey,_pink,_neutral,_red,_yellow,_green))

(Contd. of page 2)

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents: CO2, sand, extinguishing powder. Do not use water.
- · For safety reasons unsuitable extinguishing agents: Water
- 5.2 Special hazards arising from the substance or mixture
- Formation of toxic gases is possible during heating or in case of fire.
- No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment: Wear self-contained respiratory protective device.
- Additional information
- Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Remove persons from danger area. Avoid contact with the eyes and skin. Wear protective clothing.
6.2 Environmental precautions: Do not allow product to reach sewage system or any water course. Do not allow to penetrate the ground/soil.
6.3 Methods and material for containment and cleaning up: Absorb liquid components with liquid-binding material.

Dispose of the material collected according to regulations.

• **6.4 Reference to other sections** See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

- Prevent formation of aerosols.
- Avoid contact with the eyes and skin.
- · Information about fire and explosion protection: Protect against electrostatic charges.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: Store only in unopened original receptacles.
- · Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: Keep container tightly sealed.
- · 7.3 Specific end use(s) No further relevant information available.

(Contd. on page 4)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 23.05.2024

Version number 1

Revision: 23.05.2024

Trade name: GC Initial Zirconia Coloring Liquid (blue, grey, pink, neutral, red, yellow, green))

(Contd. of page 3)

SECTION 8: Exposure controls/personal protection

- · 8.1 Control parameters
- · Ingredients with limit values that require monitoring at the workplace:
- The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- Appropriate engineering controls No further data; see section 7.
- · Individual protection measures, such as personal protective equipment
- General protective and hygienic measures:
- The usual precautionary measures are to be adhered to when handling chemicals. Avoid contact with the eyes and skin.
- Wash hands before breaks and at the end of work.
- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing
- **Respiratory protection:** Suitable respiratory protective device recommended.
- · Hand protection



Protective gloves

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection



Tightly sealed goggles

SECTION 9: Physical and chemical properties

• 9.1 Information on basic physical and chemical proper	rties
· General Information	
· Physical state	Fluid
· Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
· Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling range	100 °C (7732-18-5 Water)
· Flammability	Not applicable.
Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.

(Contd. on page 5)

GB

Printing date 23.05.2024

Version number 1

Revision: 23.05.2024

Trade name: GC_Initial_Zirconia_Coloring_Liquid_(blue,_grey,_pink,_neutral,_red,_yellow,_green))

	(Contd. of page
· Flash point:	279 °C (25322-68-3 Polyethylene Glycol)
Auto-ignition temperature:	Undetermined.
Decomposition temperature:	Not determined.
pH	Not determined.
Viscosity:	
Kinematic viscosity	Not determined.
Dynamic:	Not determined.
Solubility	
water:	Fully miscible.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density	
Density:	Not determined.
Relative density	Not determined.
Vapour density	Not determined.
9.2 Other information	
Appearance: Form:	Liquid
	Liquid
Important information on protection of health a environment, and on safety.	
Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Solvent content:	
Water:	51.6 %
VOC (EC)	$0.0 \ g/l$
Change in condition	
Evaporation rate	Not determined.
Information with regard to physical hazard classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gas	ses
in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

(Contd. on page 6)

GB

Printing date 23.05.2024

Version number 1

Revision: 23.05.2024

(Contd. of page 5)

Trade name: GC_Initial_Zirconia_Coloring_Liquid_(blue,_grey,_pink,_neutral,_red,_yellow,_green))

· 10.2 Chemical stability

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- · 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- Acute toxicity Based on available data, the classification criteria are not met.
- · LD/LC50 values relevant for classification: No further relevant information available.
- Skin corrosion/irritation Causes skin irritation.
- · Serious eye damage/irritation Causes serious eye irritation.
- · Additional toxicological information:
- *Repeated dose toxicity No further relevant information available.*
- *CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)* No further relevant information available.
- · 11.2 Information on other hazards
- · Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

- · 12.1 Toxicity
- · Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- · vPvB: Not applicable.
- · 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

- · 12.7 Other adverse effects
- Additional ecological information:
- · General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- Uncleaned packaging:
- *Recommendation:* Disposal must be made according to official regulations.

(Contd. on page 7)

GB

Printing date 23.05.2024

Version number 1

Revision: 23.05.2024

(Contd. of page 6)

Trade name: GC_Initial_Zirconia_Coloring_Liquid_(blue,_grey,_pink,_neutral,_red,_yellow,_green))

· Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information	on
· 14.1 UN number or ID number · ADR, IMDG, IATA	not regulated
· 14.2 UN proper shipping name · ADR, IMDG, IATA	not regulated
· 14.3 Transport hazard class(es)	
· ADR, ADN, IMDG, IATA · Class	not regulated
· 14.4 Packing group · ADR, IMDG, IATA	not regulated
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for user	Not applicable.
• 14.7 Maritime transport in bulk according instruments	to IMO Not applicable.
· UN "Model Regulation":	not regulated

SECTION 15: Regulatory information

• 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture • Poisons Act

· Regulated explosives precursors

7647-01-0 hydrochloric acid

· Regulated poisons

None of the ingredients is listed.

· Reportable explosives precursors

None of the ingredients is listed.

· Reportable poisons

None of the ingredients is listed.

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.

• 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

· Relevant phrases

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

· Classification according to Regulation (EC) No 1272/2008 Calculation method

(Contd. on page 8)

10%

GB

Printing date 23.05.2024

Version number 1

Revision: 23.05.2024

Trade name: GC_Initial_Zirconia_Coloring_Liquid_(blue,_grey,_pink,_neutral,_red,_yellow,_green))

Department issuing SDS: Regulatory affairs Contact: msds@gc.dental Abbreviations and acronyms: DR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the Intern Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IAT: International Maritime Code for Dangerous Goods IAT: International Maritime Code for Dangerous Goods IAT: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals ELNCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU) LCS0: Lethal concentration, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPVB: very Persistent and very Bioaccumulative Skin Irrit. 2: Skin corrosion/irritation – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 Sources • ECHA (http://echa.europa.eu/) • Envi Chem (www.echemportal.org) * Data compared to the previous versions. Disclaimer: The information contained herein is believed to be true and accurate. However, all statements, recommend or suggestions are made without any guarantee, representation or w	(Contd. of p
Contact: msds@gc.dental Abbreviations and acronyms: ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the Intern Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods LATA: International Maritime Code for Dangerous Goods LATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent DD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2: Sterious eye damage/eye irritation – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 Sources • ECHA (http://echa.europa.eu/) • EnviChem (www.echemportal.org) * Data compared to the previous version altered. This version replaces all previous versions. Disclaimer: The information contained herein is believed to be true and accurate. However, all statements, recommend or suggestions are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the information set out in this document is accurated complete, and we accordingly exclude all liability in connection with the use of this information contained herein subject to change without notice. For the avoidance of doubt, however, nothing in this document exclude Subject to change without notice. For the avoidance of doubt, however, nothing in this document exclude Subject to change without notice.	Department issuing SDS: Regulatory affairs
Abbreviations and acronyms: ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Maritime Code for Dangerous Goods IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals ELINCCS: European Inventory of Existing Commercial Chemical Substances ELINCS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU) LCS0: Lethal concentration, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Skin Irrit. 2: Skin corrosion/irritation – Category 2 StorT SE 3: Specific target organ toxicity (single exposure) – Category 3 Sources • ECHA (http://echa.europa.eu/) • Envichem (www.echemportal.org) * Data compared to the previous version altered. This version replaces all previous versions. Disclaimer: The information contained herein is believed to be true and accurate. However, all statements, recommendar or suggestions are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the	
 ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the Intern Carriage of Dangerous Goods by Road) IDDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals ELINCS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent PBT: Persistent, Bioaccumulative and Toxic VPB: very Persistent and very Bioaccumulative Skin prit. 2: Skin corrosion/irritation – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 Sources ECHA (http://echa.europa.eu/) EnviChem (www.echemportal.org) * Data compared to the previous versions. Disclaimer: The information contained herein is believed to be true and accurate. However, all statements, recommend, or suggestions are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the information or this information or chained herein is accurr complete, and we accordingly exclude all liability in connection with the use of this information or the reperiod previous erasumed by the purchaser/user. The information contained herein is believed to be the purchaser/user. The information contained herein is deciment for the previous version are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the information set out in this document is accurr complete, and we accordingly exclude all liability in connection with the use of this information or t	
Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IMTA: International Maritime Code for Dangerous Goods IATA: International Maritime Code for Dangerous Goods IATA: International Mirita Susociation GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent DD50: Lethal concentration, 50 percent DD50: Lethal concentration, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2: Skin corrosion/irritation – Category 2 StoT SE 3: Specific target organ toxicity (single exposure) – Category 3 Sources • ECHA (http://echa.europa.eu/) • EnviChem (www.echemportal.org) * Data compared to the previous version altered. This version replaces all previous versions. Disclaimer: The information contained herein is believed to be true and accurate. However, all statements, recommend. or suggestions are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the information set out in this document is accurs complete, and we accordingly exclude all liability in connection with the use of this information or the pre- referred to herein. All such risks are assumed by the purchaser/user. The information contained herein is subject to change without notice. For the avoidance of doubt, however, nothing in this document exclude	
 <i>IATA</i>: International Air Transport Association <i>GHS</i>: Globally Harmonised System of Classification and Labelling of Chemicals <i>ELINECS</i>: European List of Notified Chemical Substances <i>ELINCS</i>: European List of Notified Chemical Substances <i>CAS</i>: Chemical Abstracts Service (division of the American Chemical Society) <i>VOC</i>: Volatile Organic Compounds (USA, EU) <i>LCS0</i>: Lethal concentration, 50 percent <i>LDS0</i>: Lethal dose, 50 percent <i>PBT</i>: Persistent and very Bioaccumulative <i>Skin Irrit</i>. 2: Skin corrosion/irritation – Category 2 <i>System Section</i> (single exposure) – Category 3 <i>Sources</i> <i>ECHA</i> (http://echa.europa.eu/) <i>EnviChem</i> (www.echemportal.org) <i>* Data compared to the previous version altered.</i> <i>This version replaces all previous versions.</i> <i>Disclaimer:</i> <i>The information contained herein is believed to be true and accurate.</i> However, all statements, recommend, or suggestions are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the information set out in this document is accurate to the previous error or the previous are assumed by the purchaser/user. The information contained herein is suggestions of the information contained herein is believed to be true and accurate. However, all statements, recommend, or suggestions are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the information set out in this document is accurated to the readingly exclude all liability in connection with the use of this information or the precent to change without notice. For the avoidance of doubt, however, nothing in this document exclude all subject to change without notice. 	
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal concentration, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Skin trrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 Sources ECHA (http://echa.europa.eu/) EnviChem (www.echemportal.org) * Data compared to the previous version altered. This version replaces all previous versions. Disclaimer: The information contained herein is believed to be true and accurate. However, all statements, recommendad or suggestions are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the information set out in this document is accurated or suggestions are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the information set out in this document is accurated or suggestions are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the information set out in this document is accurated for herein. All such risks are assumed by the purchaser/user. The information contained herein is believed to be true and accurate. The information contained herein is accurated to herein. All such risks are assumed by the purchaser/user. The information contained herein is upject to change	MDG: International Maritime Code for Dangerous Goods
EINECS: European List of Notified Chemical Substances ELINECS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2: Skin corrosion/irritation – Category 2 StoT SE 3: Specific target organ toxicity (single exposure) – Category 3 Sources • ECHA (http://echa.europa.eu/) • EnviChem (www.echemportal.org) * Data compared to the previous version altered. This version replaces all previous versions. Disclaimer: The information contained herein is believed to be true and accurate. However, all statements, recommend. or suggestions are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the information set out in this document is accurated to herein. All such risks are assumed by the purchaser/user. The information contained herein is believed to the true formation set out in this document is accurated to herein. All such risks are assumed by the purchaser/user. The information contained herein is accurated to herein. The information contained herein is believed to be true and accurate. However, all statements, recommend. or suggestions are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the information set out in this document is accurated to herein. All such risks are assumed by the purchaser/user. The information contained herein is accurated to herein. All such risks are assumed by the purchaser/user. The information contained herein is usidect to change without notice. For the avoidance of doubt, however, nothing in this document exclude uside to to change without notice. For the avoidance of doubt, however, nothing in th	
 ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU) LCS0: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 Sources ECHA (http://echa.europa.eu/) EnviChem (www.echemportal.org) * Data compared to the previous versions. Disclaimer: The information contained herein is believed to be true and accurate. However, all statements, recommend. or suggestions are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the information set out in this document is accur. complete, and we accordingly exclude all liability in connection with the use of this information or the precision or the precision	
 CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 Sources ECHA (http://echa.europa.eu/) EnviChem (www.echemportal.org) * Data compared to the previous version altered. This version replaces all previous versions. Disclaimer: The information contained herein is believed to be true and accurate. However, all statements, recommend. or suggestions are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the information set out in this document is accurate complete, and we accordingly exclude all liability in connection with the use of this information or the previous for the previous of the previous of the previous with the use of this information or the previous complete, and we accordingly exclude all liability in connection with the use of this information or the previous for the previous of the previous of the previous with the use of this information or the previous complete, and we accordingly exclude all liability in connection with the use of this information or the previous contained herein is believed of doubt, however, nothing in this document exclude complete to change without notice. For the avoidance of doubt, however, nothing in this document exclude contained herein is contained herein in the contained herein i	
 VOC: Volatile Organic Compounds (USA, ÉU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPVB: very Persistent and very Bioaccumulative Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 Sources ECHA (http://echa.europa.eu/) EnviChem (www.echemportal.org) * Data compared to the previous version altered. This version replaces all previous versions. Disclaimer: The information contained herein is believed to be true and accurate. However, all statements, recommend, or suggestions are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the information set out in this document is accuracion with the use of this information or the previous or the previous of the previous or the previous version with the use of this information or the previous during of the previous of the previous of the previous of the previous explicit. 	
 LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 Sources ECHA (http://echa.europa.eu/) EnviChem (www.echemportal.org) * Data compared to the previous version altered. This version replaces all previous versions. Disclaimer: The information contained herein is believed to be true and accurate. However, all statements, recommendor suggestions are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the information set out in this document is accurate complete, and we accordingly exclude all liability in connection with the use of this information or the previous to be the previous without notice. For the avoidance of doubt, however, nothing in this document exclude 	
LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 Sources • ECHA (http://echa.europa.eu/) • EnviChem (www.echemportal.org) * Data compared to the previous version altered. This version replaces all previous versions. Disclaimer: The information contained herein is believed to be true and accurate. However, all statements, recommended or suggestions are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the information set out in this document is accurated complete, and we accordingly exclude all liability in connection with the use of this information or the pre- referred to herein. All such risks are assumed by the purchaser/user. The information contained herein is accurated by the purchaser/user. The information contained herein is accurate and the information contained herein is accurated. This version are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the information set out in this document is accurated complete, and we accordingly exclude all liability in connection with the use of this information or the pre- referred to herein. All such risks are assumed by the purchaser/user. The information contained herein is subject to change without notice. For the avoidance of doubt, however, nothing in this document exclude	
 PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Skin Irrit. 2: Skin corrosion/irritation - Category 2 Eye Irrit. 2: Serious eye damage/eye irritation - Category 2 STOT SE 3: Specific target organ toxicity (single exposure) - Category 3 Sources ECHA (http://echa.europa.eu/) EnviChem (www.echemportal.org) * Data compared to the previous version altered. This version replaces all previous versions. Disclaimer: The information contained herein is believed to be true and accurate. However, all statements, recommend, or suggestions are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the information set out in this document is accurate complete, and we accordingly exclude all liability in connection with the use of this information or the previous or the previous of the previous or the previous without notice. For the avoidance of doubt, however, nothing in this document exclude 	
 vPvB: very Persistent and very Bioaccumulative Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 Sources ECHA (http://echa.europa.eu/) EnviChem (www.echemportal.org) * Data compared to the previous version altered. This version replaces all previous versions. Disclaimer: The information contained herein is believed to be true and accurate. However, all statements, recommend, or suggestions are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the information set out in this document is accurate complete, and we accordingly exclude all liability in connection with the use of this information or the previous or the previous of the previous without notice. For the avoidance of doubt, however, nothing in this document exclude 	
 Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 Sources ECHA (http://echa.europa.eu/) EnviChem (www.echemportal.org) * Data compared to the previous version altered. This version replaces all previous versions. Disclaimer: The information contained herein is believed to be true and accurate. However, all statements, recommended or suggestions are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the information set out in this document is accurate complete, and we accordingly exclude all liability in connection with the use of this information or the previous or the previous of the previous version or the previous to the previous of the previous is accurate in this information or the previous to be true and with the use of this information or the previous complete, and we accordingly exclude all liability in connection with the use of this information contained herein is subject to change without notice. For the avoidance of doubt, however, nothing in this document exclude 	
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 Sources ECHA (http://echa.europa.eu/) EnviChem (www.echemportal.org) * Data compared to the previous version altered. This version replaces all previous versions. Disclaimer: The information contained herein is believed to be true and accurate. However, all statements, recommender or suggestions are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the information set out in this document is accurate complete, and we accordingly exclude all liability in connection with the use of this information or the preferred to herein. All such risks are assumed by the purchaser/user. The information contained herein is document exclude of doubt, however, nothing in this document exclude to be true and accurate. 	
 Sources ECHA (http://echa.europa.eu/) EnviChem (www.echemportal.org) * Data compared to the previous version altered. This version replaces all previous versions. Disclaimer: The information contained herein is believed to be true and accurate. However, all statements, recommended or suggestions are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the information set out in this document is accurate complete, and we accordingly exclude all liability in connection with the use of this information or the proceeding of the purchaser/user. The information contained herein is subject to change without notice. For the avoidance of doubt, however, nothing in this document exclude 	
 ECHA (http://echa.europa.eu/) EnviChem (www.echemportal.org) * Data compared to the previous version altered. This version replaces all previous versions. Disclaimer: The information contained herein is believed to be true and accurate. However, all statements, recommended or suggestions are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the information set out in this document is accurate complete, and we accordingly exclude all liability in connection with the use of this information or the proceeding of the purchaser/user. The information contained herein is subject to change without notice. For the avoidance of doubt, however, nothing in this document exclude 	TOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 EnviChem (www.echemportal.org) * Data compared to the previous version altered. This version replaces all previous versions. Disclaimer: The information contained herein is believed to be true and accurate. However, all statements, recommended or suggestions are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the information set out in this document is accurate complete, and we accordingly exclude all liability in connection with the use of this information or the pro- referred to herein. All such risks are assumed by the purchaser/user. The information contained herein is subject to change without notice. For the avoidance of doubt, however, nothing in this document exclude 	Sources
 EnviChem (www.echemportal.org) * Data compared to the previous version altered. This version replaces all previous versions. Disclaimer: The information contained herein is believed to be true and accurate. However, all statements, recommended or suggestions are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the information set out in this document is accurate complete, and we accordingly exclude all liability in connection with the use of this information or the pro- referred to herein. All such risks are assumed by the purchaser/user. The information contained herein is subject to change without notice. For the avoidance of doubt, however, nothing in this document exclude 	ECHA (http://echa.europa.eu/)
* Data compared to the previous version altered. This version replaces all previous versions. Disclaimer: The information contained herein is believed to be true and accurate. However, all statements, recommended or suggestions are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the information set out in this document is accura- complete, and we accordingly exclude all liability in connection with the use of this information or the pro- referred to herein. All such risks are assumed by the purchaser/user. The information contained herein is subject to change without notice. For the avoidance of doubt, however, nothing in this document exclude	
This version replaces all previous versions. Disclaimer: The information contained herein is believed to be true and accurate. However, all statements, recommended or suggestions are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the information set out in this document is accura- complete, and we accordingly exclude all liability in connection with the use of this information or the pro- referred to herein. All such risks are assumed by the purchaser/user. The information contained herein is subject to change without notice. For the avoidance of doubt, however, nothing in this document exclude	
Disclaimer: The information contained herein is believed to be true and accurate. However, all statements, recommend or suggestions are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the information set out in this document is accura- complete, and we accordingly exclude all liability in connection with the use of this information or the pro- referred to herein. All such risks are assumed by the purchaser/user. The information contained herein is subject to change without notice. For the avoidance of doubt, however, nothing in this document exclude	
The information contained herein is believed to be true and accurate. However, all statements, recommendator suggestions are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the information set out in this document is accurate complete, and we accordingly exclude all liability in connection with the use of this information or the proceeding of the purchaser/user. The information contained herein is subject to change without notice. For the avoidance of doubt, however, nothing in this document exclude and the proceeding of the purchaser of the proceeding of the procee	
or suggestions are made without any guarantee, representation or warranty, express or implied, on our Therefore, no warranty is made or to be implied that the information set out in this document is accura complete, and we accordingly exclude all liability in connection with the use of this information or the pro- referred to herein. All such risks are assumed by the purchaser/user. The information contained herein is subject to change without notice. For the avoidance of doubt, however, nothing in this document exclude	
Therefore, no warranty is made or to be implied that the information set out in this document is accurd complete, and we accordingly exclude all liability in connection with the use of this information or the progreferred to herein. All such risks are assumed by the purchaser/user. The information contained herein is subject to change without notice. For the avoidance of doubt, however, nothing in this document exclude accurdingly exclude and the subject to change without notice.	
complete, and we accordingly exclude all liability in connection with the use of this information or the pre- referred to herein. All such risks are assumed by the purchaser/user. The information contained herein i subject to change without notice. For the avoidance of doubt, however, nothing in this document exclude	
referred to herein. All such risks are assumed by the purchaser/user. The information contained herein i subject to change without notice. For the avoidance of doubt, however, nothing in this document exclude	Therefore, no warranty is made or to be implied that the information set out in this document is accura
referred to herein. All such risks are assumed by the purchaser/user. The information contained herein i subject to change without notice. For the avoidance of doubt, however, nothing in this document exclude the exclusion of the subject to change without notice.	omplete, and we accordingly exclude all liability in connection with the use of this information or the pro
subject to change without notice. For the avoidance of doubt, however, nothing in this document exclude	
umus our naonny for acam or personal infury caused by our negligence or for fraudulent misrepresentation	
	imus our naonny for aeann or personal infury causea by our negligence or for fraudulent misrepresentation.