

Shipper's Declaration of Non-Dangerous Goods  
Not Restricted as per IATA

Date: 24-07-2023

To: DHL Express  
Dubai, U.A.E.

Subject:      AWB:  
52 1364 4940

CONTENTS: PIGMENT FOR TESTING (NOT-RESTRICTED AS PER IATA)

Dear Sir,

I do understand that items such as: Matches, Lighters, Paint, Aerosols, Deodorants, Perfumery Products, Generators, Engines, Gas stoves, Kerosene stoves, Bleaching agents, Pesticides, Piff Paff, Gas Cylinders, Varnish, Nail Polish Remover, fireworks, lithium batteries etc. are Dangerous Goods and may endanger the lives of Passengers, Crew, Staff, Public, and cause damage to Premises, Aircraft, the Environment etc. The carriage of Dangerous Goods (DG) as General Cargo is against National and International regulations.

I also understand that all DG must be correctly Identified, Classified, Packed, Marked, Labelled and Documented as per the current Dangerous Goods Regulation and only Cargo Agents approved by GCAA are permitted to accept and process Dangerous Goods shipments.

I am aware that forwarding Dangerous Goods undeclared is against the legal requirements of UAE General Civil Aviation Authority (GCAA) and is subject to fines and severe penalties.

I hereby declare that the above shipment does not contain any Dangerous Goods as per current IATA Dangerous Goods Regulations and is safe for transportation by air on any aircraft. I accept full liability for any damage caused due to inadequate packing or incorrect declaration of the goods being transported.

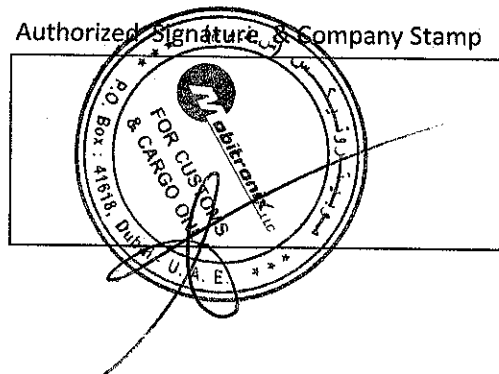
Thanking you,

Yours Faithfully,

Teejay Lumibao

Operations Manager

Dubai, 24-07-2023



# SAFETY DATA SHEET (SDS)

according to Regulation (EC) No 1907/2006 (REACH), Commission Regulation (EU) 2020/2081, Regulation (EC) No 1272/2008 (CLP)

## Permanent Make-up Pigments

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

#### 1.1 Product identifier

<i>Product name</i>	Permanent Make-up Pigments
<i>Substance name</i>	None
<i>EC No.</i>	None
<i>REACH Registration No.</i>	None
<i>Index No.</i>	None
<i>CAS No.</i>	None

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

<i>Relevant identified uses</i>	Mixture for use in permanent make-up.
<i>Uses advised against</i>	For professional use only.

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

<i>Company name</i>	VIVDERMA UAE
<i>Company address</i>	2101 Bayswater Tower Business Bay 186213 Dubai
<i>Contact name</i>	VIVDERMA UAE
<i>Phone / fax</i>	+97142424388
<i>Email</i>	

#### 1.4 Emergency telephone number

Russia: 112

Outside of Russia: National emergency number

### SECTION 2: Hazard(s) identification

#### 2.1 Classification of the substance or mixture

*Classification according to Regulation (EC) No 1272/2008 (CLP)* This mixture does not meet the criteria for classification as hazardous according to Regulation (EC) 1272/2008.

*Additional information* None.

#### 2.2 Label elements

*Hazard pictograms* Not classified as hazardous and does not require labelling.

*Signal word* None.

*Hazard statements* None.

*Precautionary statements*

*Prevention* P201: Obtain special instructions before use.  
P202: Do not handle until all safety precautions have been read and understood.

*Supplemental hazard information (EU)* EUH066: Repeated exposure may cause skin dryness or cracking.

#### 2.3 Other hazards

The mixture does not contain substance(s) which meet criteria for PBT or vPvB in accordance with Annex XIII of REACH.

The mixture does not contain substance(s) that have been included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or identified as having endocrine disrupting properties in accordance with the criteria set out in Delegated Regulation (EU) 2017/2100 or Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 % by weight.

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The mixture does not contain substance(s) that have been included in the list established in accordance with Annex of Commission Regulation (EU) 2020/2081 or falling within one or more of the following points established within Annex of Commission Regulation (EU) 2020/2081.

### 2.4 List of ingredients in accordance with the nomenclature established in the glossary of common ingredient names pursuant to Article 33 of Regulation (EC) No 1223/2009 in accordance with Annex XVII of Regulation (EC) No 1907/2006 (REACH)

List of ingredients on label, listed with INCI-nomenclature according to Regulation (EC) No 1223/2009:

**Lip Mix #1 Gentle Kiss:** Water (Aqua), Glycerin, PEG-8, PVP, Hamamelis Virginiana Leaf Extract, CI 77891, CI 16035, CI 77491, CI 15985:1, CI 73915

**Lip Mix #2 Pink Caramel:** Water (Aqua), Glycerin, PEG-8, PVP, Hamamelis Virginiana Leaf Extract, CI 77891, CI 77491, CI 56110, CI 15985:1

**Lip Mix #3 Berry Nectar:** Water (Aqua), Glycerin, PEG-8, PVP, Hamamelis Virginiana Leaf Extract, CI 56110, CI 77891, CI 73915

**Lip Mix #4 Red Velvet:** Water (Aqua), Glycerin, PEG-8, PVP, Hamamelis Virginiana Leaf Extract, CI 56110, CI 77891

**Lip Mix #5 Cherry Mousse:** Water (Aqua), Glycerin, PEG-8, PVP, Hamamelis Virginiana Leaf Extract, CI 56110, CI 77491, CI 73915

**Lip Mix #6 Dusty Rose:** Water (Aqua), Glycerin, PEG-8, PVP, Hamamelis Virginiana Leaf Extract, CI 77891, CI 77491, CI 56110, CI 51319

**Lip Mix #7 Sweet Cinnamon:** Water (Aqua), Glycerin, PEG-8, PVP, Hamamelis Virginiana Leaf Extract, CI 77491, CI 77891, CI 47005, CI 73915, CI 77266

**Brow Mix #1 Hazelnut / Universal:** Water (Aqua), Glycerin, PEG-8, PVP, Hamamelis Virginiana Leaf Extract, CI 47005, CI 77491, CI 56110, CI 77266, CI 15985:1, CI 77891

**Brow Mix #2 Milk Chocolate / Basic:** Water (Aqua), Glycerin, PEG-8, PVP, Hamamelis Virginiana Leaf Extract, CI 15985:1, CI 47005, CI 77266, CI 77491, CI 77891, CI 56110

**Brow Mix #3 Coqnac / Warm brunette:** Water (Aqua), Glycerin, PEG-8, PVP, Hamamelis Virginiana Leaf Extract, CI 77266, CI 47005, CI 77491, CI 15985:1, CI 56110, CI 77891

**Brow Mix #4 Light Brown:** Water (Aqua), Glycerin, PEG-8, PVP, Hamamelis Virginiana Leaf Extract, CI 77266, CI 15985:1, CI 47005, CI 77491, CI 56110, CI 77891

**Brow Mix #5 Bitter Chocolate:** Water (Aqua), Glycerin, PEG-8, PVP, Hamamelis Virginiana Leaf Extract, CI 77266, CI 47005, CI 77491, CI 56110, CI 77891

**Brow Mix #6 Espresso:** Water (Aqua), Glycerin, PEG-8, PVP, Hamamelis Virginiana Leaf Extract, CI 77266, CI 77491, CI 47005, CI 77891

**Brow Mix #7 Black Rum:** Water (Aqua), Glycerin, PEG-8, PVP, Hamamelis Virginiana Leaf Extract, CI 77492, CI 77491, CI 77499, CI 77266

**Brow Mix #8 Honey Raff:** Water (Aqua), Glycerin, PEG-8, PVP, Hamamelis Virginiana Leaf Extract, CI 77492, CI 77491, CI 77499

**Black Correcting Mix:** Water (Aqua), Glycerin, PEG-8, PVP, Hamamelis Virginiana Leaf Extract, CI 77266, CI 77491

**Orange Correcting Mix:** Water (Aqua), Glycerin, PEG-8, PVP, Hamamelis Virginiana Leaf Extract, CI 15985:1, CI 77491, CI 56110, CI 77891

**Yellow Correcting Mix:** Water (Aqua), Glycerin, PEG-8, PVP, Hamamelis Virginiana Leaf Extract, CI 47005, CI 77491, CI 77891, CI 15985:1

**Terracotta Correcting Mix:** Water (Aqua), Glycerin, PEG-8, PVP, Hamamelis Virginiana Leaf Extract, CI 77491, CI 15985:1, CI 47005, CI 56110, CI 51319

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### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Not applicable.

#### 3.2 Mixtures

Substance name	Substance identity	Classification according to Regulation (EC) No 1272/2008 (CLP)	SCL, M-factor, ATE	Weight % content (or range)
Glycerin	Index: n/a REACH: n/a EC: 200-289-5 CAS: 56-81-5	Not classified	-	X
PEG-8	Index: n/a REACH: n/a EC: 225-856-4 CAS: 5117-19-1 / 25322-68-3	Not classified	-	X
PVP	Index: n/a REACH: n/a EC: 618-363-4 CAS: 9003-39-8	Not classified	-	X
Hamamelis Virginia Leaf Extract	Index: n/a REACH: n/a EC: 283-637-9 CAS: 84696-19-5	Not classified	-	X
CI 15985:1 [A]	Index: n/a REACH: n/a EC: 239-888-1 CAS: 15790-07-5	Not classified	-	X
CI 16035 [B]	Index: n/a REACH: n/a EC: 247-368-0 CAS: 25956-17-6	Not classified	-	X
CI 47005 [C]	Index: n/a REACH: n/a EC: 305-897-5 CAS: 8004-92-0	Not classified	-	X
CI 51319	Index: n/a REACH: n/a EC: 228-767-9 CAS: 6358-30-1	Not classified	-	X
CI 56110	Index: n/a REACH: n/a EC: 401-540-3 CAS: 84632-65-5	Not classified	-	X
CI 73915	Index: n/a REACH: n/a EC: 213-561-3 CAS: 980-26-7	Not classified	-	X
CI 77266	Index: n/a REACH: n/a	Not classified	-	X

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	EC: 215-609-9; 231-153-3; 931-328-0; 931-334-3 CAS: 1333-86-4; 7440-44-0			
CI 77491 [D]	Index: n/a REACH: n/a EC: 215-168-2 CAS: 1309-37-1	Not classified	-	
CI 77492 [D]	Index: n/a REACH: n/a EC: 257-098-5 CAS: 51274-00-1	Not classified	-	
CI 77499 [D]	Index: n/a REACH: n/a EC: 12227-89-3 / 1309-37-1 / 1317-61-9 / 1345-25-1 / 1345-27-3 / 52357-70-7 CAS: 235-442-5 / 215-168-2 / 215-277-5 / 215-721-8 / 215-722-3 / 257-870-1	Not classified		
CI 77891 [E]	Index: 022-006-00-2 REACH: n/a EC: 236-675-5 CAS: 13463-67-7	Carc. 2; H351 [F]	-	
Water	Index: n/a REACH: n/a EC: 231-791-2 CAS: 7732-18-5	Not classified	-	X

### Remarks:

- [A] Purity criteria as set out in Commission Directive 95/45/EC (E 110).
- [B] Purity criteria as set out in Commission Directive 95/45/EC (E 129).
- [C] Purity criteria as set out in Commission Directive 95/45/EC (E 104).
- [D] Purity criteria as set out in Commission Directive 95/45/EC (E 172).
- [E] Purity criteria as set out in Commission Directive 95/45/EC (E 171).
- [F] Effects only following exposure by inhalation.

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

*Additional information*

For full text of H-statements, see SECTION 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes

If appears any problem, discontinue use of product. When consulting a doctor or a poison control center, always have packaging or label and possibly package insert available.

#### Following inhalation

Fresh air, rest.

#### Following skin contact

Rinse skin with plenty of water or shower. Rinse skin with plenty of water or shower.

#### Following eye contact

First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then refer for medical attention.

#### Following ingestion

Rinse mouth.

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*Self-protection of the first aider* No specific measures.

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

*Inhalation* No adverse effects are expected.

*Skin contact* Dry skin.

*Eye contact* Blurred vision.

*Ingestion* Diarrhoea, nausea.

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

*Notes for the doctor* Treat symptomatically.

*Special treatment* No specific treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

*Suitable extinguishing media* Use water spray, alcohol-resistant foam, dry powder, carbon dioxide.

*Unsuitable extinguishing media* Full water jet.

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

*Fire and explosion hazard* Combustible liquid.

*Hazardous combustion products* Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), acrolein, nitrogen oxides (NO<sub>x</sub>), hydrogen chloride (HCl), sulphur oxides (SO<sub>x</sub>), sodium oxides (NaO).

### 5.3 Advice for fire-fighters

*Special protective actions for fire-fighters* Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Use water spray to cool tanks/containers exposed to heat, remove them into safety. Extinguish from the windward side of fire with safe distance. Firewater requires appropriate treatment and disposal.

*Special protective equipment for fire-fighters* Wear full protective clothing conforming to EN 469 and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Wear other appropriate protective equipment as conditions warrant (see SECTION 8).

## SECTION 6: Accidental release measures

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

*For non-emergency personnel*

*Protective equipment* Wear appropriate personal protective equipment (PPE) as specified in SECTION 8.

*Emergency procedures* Spilled product may cause a slipping hazard. In case of spills, beware of slippery floors and surfaces. Follow general hygiene considerations recognised as common good workplace practices. Prevent generation of mists and aerosols. Avoid contact with skin and eyes. Eliminate all ignition sources if safe to do so (e.g. electricity, sparks, fires, flares).

*For emergency responders* Wear appropriate personal protective equipment (PPE) as specified in SECTION 8.

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### 6.2 Environmental precautions

*Environmental precautions* Avoid contact of spilt product with soil and prevent runoff entering surface waterways. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 6.3 Methods and materials for containment and cleaning up

*For containment* Prevent spills from entering sewers and water courses. Avoid generation of aerosols and mists during clean up.

*For cleaning up* Mop up or absorb household spillages with e.g. kitchen roll and dispose of in bin. Wipe effected area clean with a damp cloth. Dike and pump large spillages when possible with an appropriate container or absorb with an inert material (e.g., vermiculite, dry sand or earth) and place in a chemical waste container for recycle, recovery or safe disposal. Afterwards ventilate area and wash spill site.

### 6.4 Reference to other sections

Concerning exposure limits and personal protective equipment to use, see SECTION 8. Concerning disposal elimination after cleaning, see SECTION 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

*Protective measures* Handle in accordance with product label and/or product insert information.

*Measures to prevent fire* Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use only non-sparking tools and equipment, especially when opening and closing containers.

*Measures to protect the environment* No special measures required.

*Advice on general occupational hygiene* Keep away from food and beverages. Do not eat, drink or smoke while using this product. Wash the hands thoroughly after handling.

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

*Technical measures and storage conditions* Store in original tightly closed container in a dry, cool and well-ventilated area out of direct sunlight and heating appliances. For recommended storage temperature see product label.

*Packaging materials* No special requirements are known.

### 7.3 Specific end uses

*Recommendations* See SECTION 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

*Occupational exposure limits* Components with occupational exposure limit requiring monitoring:

Country	LTEL		STEL		Legal basis
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	

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SUBSTANCE: GLYCERIN (MIST)				
CAS NO. 56-81-5				
Australia		10 (1)		NOHSC:1008, 1003
Belgium		10		Federal Public Service Employment - List of limit values for exposure to chemical agents
Canada - Ontario		10		R.R.O.1990,Reg. 833
Canada - Québec		10		RSST
Finland		20		Ministry of Health publications - TWA 2016 Workplace exposure limits and Social Affairs
France		10		The National Institute for Research and Safety for the Prevention of Occupational Accidents and Diseases (INRS) - Occupational Exposure Limits to Chemical Agents in France
Germany (AGS)		200 (1)	400 (1)(2)	TRGS 900
Germany (DFG)		200 (1)	400 (1)(2)	TRGS 900
Ireland		10c		S.I. No. 619/2001
New Zealand		10 (1)		WES
Poland		10		Dz. U.
Singapore		10		Rg 1 G.N. No. S 134/2006
South Korea		10		Occupational Safety and Health Act
Spain		10		Ministry of Employment and Social Security Occupational exposure limits for chemical agents in Spain
Switzerland		50 (1)	100 (1)	SUVA
USA - ACGIH		(1)		ACGIH TLV
USA - OSHA		15 (1) 5 (2)		29 CFR 1910.1000
United Kingdom		10		EH40
<b>Remarks:</b> <i>Australia</i> (1) This value is for inhalable dust containing no asbestos and < 1% crystalline silica. <i>Germany (AGS)</i> (1) Inhalable fraction (2) 15 minutes average value <i>Germany (DFG)</i> (1) Inhalable fraction (2) 15 minutes average value <i>New Zealand</i> (1) The value for inhalable dust containing no asbestos and less than 1% free silica. <i>USA - ACGIH</i> (1) as Particles (insoluble or poorly soluble) Not Otherwise Specified (PNOS) <i>USA - OSHA</i> (1) Total dust (2) Respirable <i>Switzerland</i> (1) Inhalable aerosol				
SUBSTANCE: PEG-8				
CAS NO. 5117-19-1 / 25322-68-3				
Austria		1000 (1)	4000 (1)	MAK List
Denmark		1000	2000	Order on limit values for substances and materials no. 986
Germany (AGS)		200 (1)	200 (1)(2)	TRGS 900
Germany (DFG)		250 (1)	250 (1)(2)	TRGS 900



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Switzerland		500			SUVA
<i>Remarks:</i> <i>Austria (1) Inhalable aerosol</i> <i>Germany (AGS) (1) Inhalable fraction (2) 15 minutes average value</i> <i>Germany (DFG) (1) Inhalable fraction (2) 15 minutes average value</i>					
<b>SUBSTANCE: CI 77266</b>					
<b>CAS NO. 1333-86-4; 7440-44-0</b>					
Australia		3			NOHSC:1008, 1003
Belgium		3			Federal Public Service Employment - List of limit values for exposure to chemical agents
Canada - Ontario		3 (1)			R.R.O.1990,Reg. 833
Canada - Québec		3,5			RSST
Denmark		3,5		7,0	Order on limit values for substances and materials no. 986
Finland		3,5		7 (1)	Ministry of Health publications - TWA 2016 Workplace exposure limits and Social Affairs
France		3,5			The National Institute for Research and Safety for the Prevention of Occupational Accidents and Diseases (INRS) - Occupational Exposure Limits to Chemical Agents in France
Ireland		3,5		7 (1)	S.I. No. 619/2001
Israel		3,5 (1)			Safety at Work Regulations (Environmental and Biological Monitoring of Workers with Hazards)
Japan (JSOH)		1 (1); 4 (2)			JSOH
New Zealand		3			WES
People's Republic of China		4 (1)			GBZ 2.1-2019
Singapore		3,5			Rg 1 G.N. No. S 134/2006
South Korea		3,5			Occupational Safety and Health Act
Spain		3,5			Ministry of Employment and Social Security Occupational exposure limits for chemical agents in Spain
Sweden		3			AFS 2018: 1
USA - ACGIH		3 (1)			ACGIH TLV
USA - NIOSH		3,5 (1)			NIOSH REL
USA - OSHA		3,5			29 CFR 1910.1000
United Kingdom		3,5		7 (1)	EH40
<i>Remarks:</i> <i>Canada - Ontario (1) Inhalable fraction</i> <i>Finland (1) 15 minutes average value</i>					

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Ireland (1) 15 minutes reference period  
 Israel (1) Inhalable fraction  
 Japan (JSOH) (1) Respirable dust (2) Total dust  
 People's Republic of China (1) Inhalable fraction  
 China  
 USA - ACGIH (1) Inhalable particulate matter  
 USA - NIOSH (1) in presence of PAHs  
 United Kingdom (1) 15 minutes reference period

**SUBSTANCE: CI 77491**

**CAS NO. 1309-37-1**

Australia		10 (1)			NOHSC:1008, 1003
Belgium	2	5			Federal Public Service Employment - List of limit values for exposure to chemical agents
Canada - Québec		10 (1)			RSST
Denmark		3,5 (1)		7 (1)	Order on limit values for substances and materials no. 986
Finland		5 (1)			Ministry of Health publications - TWA 2016 Workplace exposure limits and Social Affairs
France		5 (1)			The National Institute for Research and Safety for the Prevention of Occupational Accidents and Diseases (INRS) - Occupational Exposure Limits to Chemical Agents in France
Ireland		10 (1); 4 (2)			S.I. No. 619/2001
New Zealand		102			WES
Poland		5 (1); 2,5 (2)		10 (1)(3); 5 (2)(3)	Dz. U.
Romania		5		10 (1)	Government Decision n 355/2007
Singapore		10			Rg 1 G.N. No. S 134/2006
South Korea		10			Occupational Safety and Health Act
Switzerland		3 (1)			SUVA
USA - ACGIH		5			ACGIH TLV
USA - NIOSH		5			NIOSH REL
USA - OSHA		10			29 CFR 1910.1000
United Kingdom		10 (1); 4 (2)			EH40

**Remarks:**

Australia (1) This value is for inhalable dust containing no asbestos and < 1% crystalline silica.  
 Canada - Québec (1) Total dust  
 Denmark (1) Total dust  
 Finland (1) calculated as Fe  
 France (1) Respirable aerosol  
 Ireland (1) Inhalable fraction (2) Respirable fraction  
 Poland (1) Inhalable fraction (2) Respirable fraction (3) 15 minutes average value  
 Romania (1) 15 minutes average value

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Switzerland (1) Respirable aerosol  
United Kingdom (1) Inhalable aerosol (2) Respirable aerosol

**SUBSTANCE: CI 77891**

**CAS NO. 13463-67-7**

Australia		10 (1)			NOHSC:1008, 1003
Belgium		10			Federal Public Service Employment - List of limit values for exposure to chemical agents
Canada - Ontario		10			R.R.O.1990,Reg. 833
Canada - Québec		10 (1)			RSST
Denmark		6 (1)		12 (1)	Order on limit values for substances and materials no. 986
Finland					Ministry of Health publications - TWA 2016 Workplace exposure limits and Social Affairs
France		11 (1)			The National Institute for Research and Safety for the Prevention of Occupational Accidents and Diseases (INRS) - Occupational Exposure Limits to Chemical Agents in France
Germany (DFG)		0,3 (1)(2)		2,4 (1)(2)(3)	TRGS 900
Ireland		10 (1); 4 (2)			S.I. No. 619/2001
Israel					Safety at Work Regulations (Environmental and Biological Monitoring of Workers with Hazards)
Japan (JSOH)		0,3 (1)			JSOH
Latvia		10			Occupational exposure limit values of chemical substances in work environment
New Zealand		10 (1)			WES
Norway		5			Regulations on measures and limit values for physical and chemical factors in the work environment and contamination risk groups for biological factors (regulation about measures and limits)
People's Republic of China		8 (1)			GBZ 2.1-2019
Poland		10 (1)			Dz. U.
Romania		10		15 (1)	Government Decision n 355/2007
Singapore		10			Rg 1 G.N. No. S 134/2006
South Korea		10			Occupational Safety and Health Act

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Spain		10 (1)			Ministry of Employment and Social Security Occupational exposure limits for chemical agents in Spain
Sweden		5 (1)			AFS 2018: 1
Switzerland		3 (1)			SUVA
USA - ACGIH		10			ACGIH TLV
USA - OSHA		15 (1)			29 CFR 1910.1000
United Kingdom		10 (1); 4 (2)			EH40

**Remarks:**

- Australia (1) This value is for inhalable dust containing no asbestos and < 1% crystalline silica.
- Canada - Québec (1) Total dust
- Denmark (1) Total dust
- France (1) Inhalable aerosol
- Germany (DFG) (1) Respirable fraction, except ultrafine particles (2) Multiplied by the material density (3) 15 minutes average value
- Ireland (1) Inhalable fraction (2) Respirable fraction
- Japan (JSOH) (1) nanoparticle, as Ti
- New Zealand (1) The value for inhalable dust containing no asbestos and less than 1% free silica.
- People's Republic of China (1) Inhalable fraction
- Poland (1) Inhalable fraction
- Romania (1) 15 minutes average value
- Spain (1) Inhalable fraction
- Sweden (1) Inhalable aerosol
- Switzerland (1) Respirable aerosol
- USA - OSHA (1) Total dust
- Ireland (1) Inhalable aerosol (2) Respirable aerosol

Biological limit values Not established.

DNELs

**SUBSTANCE: GLYCERIN**

**CAS NO. 56-81-5**

Oral	Not required						-	-	-	No hazard identified
Inhalation	No hazard identified	No hazard identified	220 mg/m <sup>3</sup>	No hazard identified	No hazard identified	No hazard identified	132 mg/m <sup>3</sup>	No hazard identified	No hazard identified	
Dermal	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	

**SUBSTANCE: PEG-8**

**CAS NO. 5117-19-1 / 25322-68-3**

Group/ Route of exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required				-	No hazard identified	-	40 mg/kg bw/day

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Inhalation	No hazard identified	No hazard identified	No hazard identified	40.2 mg/m <sup>3</sup>	No hazard identified	No hazard identified	No hazard identified	7.14 mg/m <sup>3</sup>
Dermal	No hazard identified	No hazard identified	No hazard identified	112 mg/kg bw/day	No hazard identified	No hazard identified	No hazard identified	40 mg/kg bw/day

### SUBSTANCE: CI 15985:1

CAS NO. 15790-07-5

Group/ Route of exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required				-	-	-	208.333 µg/kg bw/day
Inhalation	-	-	-	1.469 mg/m <sup>3</sup>	-	-	-	362.319 µg/m <sup>3</sup>
Dermal	-	-	-	833.333 µg/kg bw/day	-	-	-	416.667 µg/kg bw/day

### SUBSTANCE: CI 16035

CAS NO. 25956-17-6

Group/ Route of exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required				-	No hazard identified	-	1.67 mg/kg bw/day
Inhalation	No hazard identified	No hazard identified	No hazard identified	16.4 mg/m <sup>3</sup>	No hazard identified	No hazard identified	No hazard identified	2.9 mg/m <sup>3</sup>
Dermal	No hazard identified	No hazard identified	No hazard identified	4.67 mg/kg bw/day	No hazard identified	No hazard identified	No hazard identified	1.67 mg/kg bw/day

### SUBSTANCE: CI 47005

CAS NO. 8004-92-0

Group/ Route of exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required				-	No hazard identified	-	500 µg/kg bw/day
Inhalation	No hazard identified	No hazard identified	No hazard identified	4.93 mg/m <sup>3</sup>	No hazard identified	No hazard identified	No hazard identified	870 µg/m <sup>3</sup>
Dermal	No hazard identified	No hazard identified	No hazard identified	1.4 mg/kg bw/day	No hazard identified	No hazard identified	No hazard identified	500 µg/kg bw/day

### SUBSTANCE: CI 56110

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CAS NO. 84632-65-5								
Group/ Route of exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required				-	No hazard identified	-	1.66 mg/kg bw/day
Inhalation	Hazard unknown	Hazard unknown	42 µg/m <sup>3</sup>	768 µg/m <sup>3</sup>	Hazard unknown	Hazard unknown	7.5 µg/m <sup>3</sup>	140 µg/m <sup>3</sup>
Dermal	No hazard identified	No hazard identified	Hazard unknown	3.33 mg/kg bw/day	No hazard identified	No hazard identified	7.5 µg/cm <sup>2</sup>	1.66 mg/kg bw/day
SUBSTANCE: CI 73915 CAS NO. 980-26-7								
Group/ Route of exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required				-	No hazard identified	-	25 mg/kg bw/day
Inhalation	No hazard identified	No hazard identified	3 mg/m <sup>3</sup>	147 mg/m <sup>3</sup>	No hazard identified	No hazard identified	No hazard identified	No hazard identified
Dermal	No hazard identified	No hazard identified	No hazard identified	42 mg/kg bw/day	No hazard identified	No hazard identified	No hazard identified	25 mg/kg bw/day
SUBSTANCE: CI 77266 CAS NO. 1333-86-4; 7440-44-0								
Group/ Route of exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required				-	No hazard identified	-	No hazard identified
Inhalation	No hazard identified	No hazard identified	No hazard identified	1 mg/m <sup>3</sup>	No hazard identified	No hazard identified	No hazard identified	60 µg/m <sup>3</sup>
Dermal	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified
SUBSTANCE: CI 77491 CAS NO. 1309-37-1								
Group/ Route of exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic

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Oral	Not required				-	No hazard identified	-	No hazard identified
Inhalation	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified
Dermal	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified

### SUBSTANCE: CI 77492

CAS NO. 51274-00-1

Group/ Route of exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required				-	No hazard identified	-	No hazard identified
Inhalation	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified
Dermal	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified

### SUBSTANCE: CI 77891

CAS NO. 13463-67-7

Group/ Route of exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required				-	No hazard identified	-	No hazard identified
Inhalation	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified
Dermal	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified	No hazard identified

### PNECs

### SUBSTANCE: GLYCERIN

CAS NO. 56-81-5

Fresh water	No hazard identified
Freshwater sediments	No hazard identified
Marine water	No hazard identified
Marine sediments	No hazard identified
Microorganisms in sewage treatment	1 g/L
Soil (agricultural)	No hazard identified
Air	No hazard identified
Secondary poisoning	No potential for bioaccumulation

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<b>SUBSTANCE: PEG-8</b> <b>CAS NO. 5117-19-1 / 25322-68-3</b>	
Environmental protection target	PNEC
Fresh water	273 mg/L
Freshwater sediments	1030 mg/kg sediment dw
Marine water	27.3 mg/L
Marine sediments	103 mg/kg sediment dw
Microorganisms in sewage treatment	No hazard identified
Soil (agricultural)	46.4 mg/kg soil dw
Air	No hazard identified
Secondary poisoning	No potential for bioaccumulation
<b>SUBSTANCE: CI 15985:1</b> <b>CAS NO. 15790-07-5</b>	
Fresh water	No hazard identified
Freshwater sediments	No hazard identified
Marine water	No data available
Marine sediments	No hazard identified
Microorganisms in sewage treatment	No data available
Soil (agricultural)	No hazard identified
Air	No hazard identified
Secondary poisoning	No potential for bioaccumulation
<b>SUBSTANCE: CI 16035</b> <b>CAS NO. 25956-17-6</b>	
Fresh water	100 µg/L
Freshwater sediments	373 µg/kg sediment dw
Marine water	10 µg/L
Marine sediments	37.3 µg/kg sediment dw
Microorganisms in sewage treatment	No data available
Soil (agricultural)	15.8 µg/kg soil dw
Air	No hazard identified
Secondary poisoning	No potential for bioaccumulation
<b>SUBSTANCE: CI 47005</b> <b>CAS NO. 8004-92-0</b>	
Fresh water	100 µg/L
Freshwater sediments	545 µg/kg sediment dw
Marine water	10 µg/L
Marine sediments	54.5 µg/kg sediment dw
Microorganisms in sewage treatment	No hazard identified
Soil (agricultural)	50.2 µg/kg soil dw
Air	No hazard identified
Secondary poisoning	No potential for bioaccumulation
<b>SUBSTANCE: CI 56110</b> <b>CAS NO. 84632-65-5</b>	
Fresh water	499 - 10000 µg/L
Freshwater sediments	377 - 668 mg/kg sediment dw
Marine water	499 - 1000 µg/L
Marine sediments	37.7 - 668 mg/kg sediment dw



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Microorganisms in sewage treatment	1 mg/L
Soil (agricultural)	1 mg/kg soil dw
Air	No hazard identified
Secondary poisoning	No potential for bioaccumulation
<b>SUBSTANCE: CI 73915</b> <b>CAS NO. 980-26-7</b>	
Fresh water	No hazard identified
Freshwater sediments	No hazard identified
Marine water	No data available
Marine sediments	No hazard identified
Microorganisms in sewage treatment	No data available
Soil (agricultural)	No hazard identified
Air	No hazard identified
Secondary poisoning	No potential for bioaccumulation
<b>SUBSTANCE: CI 77266</b> <b>CAS NO. 1333-86-4; 7440-44-0</b>	
Fresh water	50 mg/L
Freshwater sediments	No hazard identified
Marine water	No data available
Marine sediments	No hazard identified
Microorganisms in sewage treatment	No data available
Soil (agricultural)	No hazard identified
Air	No hazard identified
Secondary poisoning	No potential for bioaccumulation
<b>SUBSTANCE: CI 77491</b> <b>CAS NO. 1309-37-1</b>	
Fresh water	No hazard identified
Freshwater sediments	No hazard identified
Marine water	No hazard identified
Marine sediments	No hazard identified
Microorganisms in sewage treatment	No hazard identified
Soil (agricultural)	No hazard identified
Air	No hazard identified
Secondary poisoning	No potential for bioaccumulation
<b>SUBSTANCE: CI 77492</b> <b>CAS NO. 51274-00-1</b>	
Fresh water	No hazard identified
Freshwater sediments	No hazard identified
Marine water	No hazard identified
Marine sediments	No hazard identified
Microorganisms in sewage treatment	No hazard identified
Soil (agricultural)	No hazard identified
Air	No hazard identified
Secondary poisoning	No potential for bioaccumulation
<b>SUBSTANCE: CI 77891</b> <b>CAS NO. 13463-67-7</b>	
Fresh water	No hazard identified

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Freshwater sediments	No hazard identified
Marine water	No hazard identified
Marine sediments	No hazard identified
Microorganisms in sewage treatment	No hazard identified
Soil (agricultural)	No hazard identified
Air	No hazard identified
Secondary poisoning	No potential for bioaccumulation

### 8.2 Exposure controls

<i>Appropriate engineering measures</i>	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
<i>Personal protection equipment</i>	Not required under normal conditions of use.
Eye and face protection	For an emergency response: safety glasses with side shields or safety goggles (EN 166).
Skin protection	
Hand protection	For an emergency response: protective nitrile rubber, butyl rubber gloves (EN 374, EN 420).
Other skin protection	For an emergency response: protective clothing, protective boots.
Respiratory protection	In case of insufficient ventilation or when exposure limits are exceeded: half-face mask (EN 140), full face mask (EN 136); filter type: ABEK2P3, organic vapour cartridge type Ax (EN 371). For an emergency response: self-contained breathing apparatus (EN 137).
<i>Environmental exposure controls</i>	Rinse-waste can be handled by standard waste water treatment methods. Dispose of in compliance with local regulations.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<i>Physical state</i>	liquid
<i>Appearance</i>	thick liquid
<i>Colour</i>	various shades
<i>Odour</i>	odourless
<i>Odour threshold</i>	no data available
<i>pH</i>	no data available
<i>Melting point/freezing point</i>	no data available
<i>Initial boiling point and boiling range</i>	no data available
<i>Flash point</i>	>176°C c.c.
<i>Evaporation rate</i>	no data available
<i>Flammability (solid, gas)</i>	not applicable
<i>Upper/lower flammability or explosive limits</i>	no data available
<i>Vapour pressure</i>	no data available
<i>Vapour density</i>	no data available
<i>Density</i>	no data available
<i>Solubility(ies)</i>	water: miscible
<i>Partition coefficient: n-octanol/water</i>	no data available
<i>Auto-ignition temperature</i>	no data available

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<i>Decomposition temperature</i>	no data available
<i>Viscosity</i>	no data available
<i>Explosive properties</i>	non explosive
<i>Oxidizing properties</i>	non oxidizing

### 9.2 Other information

No data available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No specific reactivity hazards associated with this product.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

Under normal circumstances of storage and use, hazardous reactions will not occur. Decomposes on heating. Avoid strong acids and bases; it may cause explosive decomposition with elevated temperature. Avoid oxidizing agents and materials reactive with hydroxyl compounds. Avoid contact with incompatible substances like polymerization catalysts (peroxides, persulfates) and accelerators, strong oxidizers, strong bases and strong acids.

### 10.4 Conditions to avoid

Incompatible materials, ignition sources, excess heat, flames, sparks, strong oxidants; direct sunlight.

### 10.5 Incompatible materials

Strong oxidising agents, strong acids, strong bases.

### 10.6 Hazardous decomposition products

No known hazardous decomposition products. In the event of fire: see SECTION 5.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

*Acute toxicity* No acute toxicity.

Method	Species	Routes of exposure	Effective Dose	Effective Dose	Results
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#### SUBSTANCE: GLYCERIN

CAS NO. 56-81-5

N/A	rat	Oral	LD50	-	27200 mg/kg bw
N/A	rat	Inhalation: vapour	LC50	4 h	>275 mg/L air
N/A	guinea pig	Dermal	LD50	-	56750 mg/kg bw

#### SUBSTANCE: PEG-8

CAS NO. 5117-19-1 / 25322-68-3

OECD 423	rat	Oral	LD50	-	>2000 mg/kg bw
N/A	N/A	Inhalation: N/A	LC50	N/A	N/A
OECD 402	rat	Dermal	LD50	-	>2000 mg/kg bw

#### SUBSTANCE: CI 15985:1

CAS NO. 15790-07-5

OECD 423	rat	Oral	LD50	-	> 2000mg/kg bw
(Q)SAR	mouse	Inhalation: gas	LC50	N/A	1705 mg/L air
OECD 402	rabbit	Dermal	LD50	-	> 2000mg/kg bw

#### SUBSTANCE: CI 16035

CAS NO. 25956-17-6

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N/A	rat	Oral	LD50	-	>10000 mg/kg bw
N/A	N/A	Inhalation: N/A	LC50	N/A	N/A
N/A	rabbit	Dermal	LD50	-	>10000 mg/kg bw
<b>SUBSTANCE: CI 47005</b>					
<b>CAS NO. 8004-92-0</b>					
N/A	rat	Oral	LD50	-	2000 mg/kg bw
N/A	rat	Inhalation: N/A	N/A	N/A	N/A
N/A	rat	Dermal	LD50	-	>2000 mg/kg bw
<b>SUBSTANCE: CI 56110</b>					
<b>CAS NO. 84632-65-5</b>					
OECD 401	rat	Oral	LD50	-	>2000 mg/kg bw
OECD 403	rat	Inhalation: aerosol	LC50	4 h	>2.25 mg/L air
OECD 402	rat	Dermal	LD50	-	>2000 mg/kg bw
<b>SUBSTANCE: CI 73915</b>					
<b>CAS NO. 980-26-7</b>					
OECD 423	rat	Oral	LD50	-	>2000 mg/kg bw
OECD 403	rat	Inhalation: aerosol	LC0	4 h	3.055 mg/L air
N/A	N/A	Dermal	N/A	-	N/A
<b>SUBSTANCE: CI 77266</b>					
<b>CAS NO. 1333-86-4; 7440-44-0</b>					
OECD 401	rat	Oral	LD50	-	>8000 mg/kg bw
N/A	N/A	Inhalation: N/A	LC50	N/A	N/A
N/A	N/A	Dermal	LD50	-	N/A
<b>SUBSTANCE: CI 77491</b>					
<b>CAS NO. 1309-37-1</b>					
EU Method B.1	rat	Oral	LD50	-	>5000 mg/kg bw
OECD 403	rat	Inhalation: aerosol	LC50	4 h	5.05 mg/L air
N/A	N/A	Dermal	LD50	-	N/A
<b>SUBSTANCE: CI 77492</b>					
<b>CAS NO. 51274-00-1</b>					
N/A	rat	Oral	LD50	-	>10000 mg/kg bw
OECD 403	rat	Inhalation: aerosol	LC50	4 h	5.05 mg/L air
N/A	N/A	Dermal	N/A	-	N/A
<b>SUBSTANCE: CI 77891</b>					
<b>CAS NO. 13463-67-7</b>					
OECD 401	rat	Oral	LD50	-	>2000 mg/kg bw
OECD 403	rat	Inhalation: dust	LC50	4 h	5.09 mg/L air
N/A	N/A	Dermal	N/A	-	N/A
<i>Skin corrosion/irritation</i>		Based upon the available data, the classification criteria are not met			
<i>Serious eye damage/eye irritation</i>		Based upon the available data, the classification criteria are not met			
<i>Respiratory or skin sensitization</i>		Based upon the available data, the classification criteria are not met			
<i>Germ cell mutagenicity</i>		Based upon the available data, the classification criteria are not met			
<i>Carcinogenicity</i>		<b>CI 77891 (CAS NO. 13463-67-7): IARC-2B, NIOSH-Ca, TLV-A4; inhalation</b>			
<i>Reproductive toxicity</i>		Based upon the available data, the classification criteria are not met			
<i>STOT - SE</i>		Based upon the available data, the classification criteria are not met			
<i>STOT - RE</i>		Based upon the available data, the classification criteria are not met			

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<i>Aspiration hazard</i>	Not applicable.
<i>Information on likely routes of exposure</i>	Inhalation, skin absorption, ingestion, skin and/or eye contact
<i>Symptoms related to the physical, chemical and toxicological characteristics</i>	See SUBSECTION 4.2 for more information on the effects from each possible route of exposure.
<i>Delayed and immediate effects as well as chronic effects from short and long-term exposure</i>	No data available.
<i>Interactive effects</i>	No data available.
<i>Absence of specific data</i>	No data available.
<i>Mixtures</i>	No data available.
<i>Mixture versus substance information</i>	No data available.

### 11.2 Information on other hazards

<i>Endocrine disrupting properties</i>	The mixture does not contain substance(s) that have been included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or identified as having endocrine disrupting properties in accordance with the criteria set out in Delegated Regulation (EU) 2017/2100 or Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 % by weight.
<i>Other information</i>	No data available.

## SECTION 12: Ecological information

### 12.1 Toxicity

<i>Aquatic toxicity</i> No aquatic toxicity.					
Method	Test species	Effective Dose	Exposure time	Results	
<b>SUBSTANCE: GLYCERIN</b> <b>CAS NO. 56-81-5</b>					
Acute (short-term) toxicity					
N/A	Fish	Pimephales promelas	LC50	96 h	885 mg/L
N/A	Crustacea	Daphnia magna	LC50	48 h	1955 mg/L
N/A	Algae/aquatic plants	Scenedesmus quadricauda	EC3	8 d	>10000 mg/L
N/A	Other organisms	Pseudomonas putida	NOEC	16 h	>10000 mg/L
Chronic (long-term) toxicity					
N/A	Fish	N/A	N/A	N/A	N/A
N/A	Crustacea	N/A	N/A	N/A	N/A
N/A	Algae/aquatic plants	N/A	N/A	N/A	N/A
N/A	Other organisms	N/A	N/A	N/A	N/A
<b>SUBSTANCE: PEG-8</b> <b>CAS NO. 5117-19-1 / 25322-68-3</b>					
Acute (short-term) toxicity					
OECD 203	Fish	Poecilia reticulata	LC50	96 h	> 100 mg/L
OECD 202	Crustacea	Daphnia magna	EC50	24 h	> 100 mg/L

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N/A	Algae/aquatic plants	N/A	N/A	N/A	N/A
N/A	Other organisms	N/A	N/A	N/A	N/A
<b>Chronic (long-term) toxicity</b>					
ECOSAR	Fish	Guppy fish	NOEC	28 d	13671 mg/L
ECOSAR	Crustacea	Daphnia magna	NOEC	21 d	17475 mg/L
N/A	Algae/aquatic plants	N/A	N/A	N/A	N/A
N/A	Other organisms	N/A	N/A	N/A	N/A
<b>SUBSTANCE: CI 15985:1</b>					
<b>CAS NO. 15790-07-5</b>					
<b>Acute (short-term) toxicity</b>					
OECD 203	Fish	Danio rerio	LC50	96 h	>100 mg/L
(Q)SAR	Crustacea	Daphnia magna	EC50	48 h	128.231 mg/L
OECD 201	Algae/aquatic plants	Chlorella vulgaris	EC50	72 h	> 200 mg/L
(Q)SAR	Other organisms	Tetrahymena pyriformis	EC50	48 h	88.5 mg/L
<b>Chronic (long-term) toxicity</b>					
N/A	Fish	N/A	N/A	N/A	N/A
N/A	Crustacea	N/A	N/A	N/A	N/A
N/A	Algae/aquatic plants	N/A	N/A	N/A	N/A
N/A	Other organisms	N/A	N/A	N/A	N/A
<b>SUBSTANCE: CI 16035</b>					
<b>CAS NO. 25956-17-6</b>					
<b>Acute (short-term) toxicity</b>					
OECD 203	Fish	Danio rerio	LC50	96 h	>100 mg/L
OECD 202	Crustacea	Daphnia magna	EC50	48 h	>100 mg/L
ECOSAR	Algae/aquatic plants	Green algae	EC50	96 h	149.94 mg/L
N/A	Other organisms	N/A	N/A	N/A	N/A
<b>Chronic (long-term) toxicity</b>					
N/A	Fish	N/A	N/A	N/A	N/A
N/A	Crustacea	N/A	N/A	N/A	N/A
N/A	Algae/aquatic plants	N/A	N/A	N/A	N/A
N/A	Other organisms	N/A	N/A	N/A	N/A
<b>SUBSTANCE: CI 47005</b>					
<b>CAS NO. 8004-92-0</b>					
<b>Acute (short-term) toxicity</b>					
OECD 203	Fish	Danio rerio	LC50	96 h	>100 mg/L
OECD 202	Crustacea	Daphnia magna	EC50	48 h	>100 mg/L
OECD 201	Algae/aquatic plants	Raphidocelis subcapitata	EC50	72 h	>100 mg/L
ISO 8192	Other organisms	Activated sludge	EC50	3 h	>100 mg/L
<b>Chronic (long-term) toxicity</b>					
N/A	Fish	N/A	N/A	N/A	N/A
N/A	Crustacea	N/A	N/A	N/A	N/A
N/A	Algae/aquatic plants	N/A	N/A	N/A	N/A
ISO 8192	Other organisms	Activated sludge	EC0	3 h	100 mg/L

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<b>SUBSTANCE: CI 56110</b>					
<b>CAS NO. 84632-65-5</b>					
Acute (short-term) toxicity					
OECD 203	Fish	Danio rerio	LC50	96 h	>100 mg/L
OECD 202	Crustacea	Daphnia magna	EC50	48 h	>100 mg/L
OECD 201	Algae/aquatic plants	Desmodesmus subspicatus	EC50	72 h	>1 mg/L
N/A	Other organisms	N/A	N/A	N/A	N/A
Chronic (long-term) toxicity					
N/A	Fish	N/A	N/A	N/A	N/A
OECD 211	Crustacea	Daphnia magna	NOEC	21 d	30 mg/L
OECD 201	Algae/aquatic plants	Desmodesmus subspicatus	NOEC	72 h	1 mg/L
OECD 209	Other organisms	Activated sludge	NOEC	3 h	1000 mg/L
<b>SUBSTANCE: CI 73915</b>					
<b>CAS NO. 980-26-7</b>					
Acute (short-term) toxicity					
OECD 203	Fish	Danio rerio	LC50	96 h	>100 mg/L
OECD 202	Crustacea	Daphnia magna	EC50	48 h	>100 mg/L
OECD 201	Algae/aquatic plants	Desmodesmus subspicatus	EC50	72 h	>100 mg/L
OECD 209	Other organisms	Activated sludge	EC50	3 h	12 mg/L
Chronic (long-term) toxicity					
OECD 215	Fish	Danio rerio	NOEC	28 d	≥ 10 mg/L
OECD 211	Crustacea	Daphnia magna	NOEC	21 d	> 1 mg/L
OECD 201	Algae/aquatic plants	Desmodesmus subspicatus	NOEC	72 h	100 mg/L
OECD 209	Other organisms	Activated sludge	NOEC	3 h	1000 mg/L
<b>SUBSTANCE: CI 77266</b>					
<b>CAS NO. 1333-86-4; 7440-44-0</b>					
Acute (short-term) toxicity					
DIN 38412-15	Fish	Leuciscus idus	LC50	96 h	>1000 mg/L
OECD 202	Crustacea	Daphnia magna	EC50	24 h	>5600 mg/L
OECD 201	Algae/aquatic plants	Desmodesmus subspicatus	EC50	72 h	>10000 mg/L
N/A	Other organisms	N/A	N/A	N/A	N/A
Chronic (long-term) toxicity					
N/A	Fish	N/A	N/A	N/A	N/A
N/A	Crustacea	N/A	N/A	N/A	N/A
OECD 201	Algae/aquatic plants	Desmodesmus subspicatus	EC10	72 h	>10000 mg/L
N/A	Other organisms	N/A	N/A	N/A	N/A
<b>SUBSTANCE: CI 77491</b>					
<b>CAS NO. 1309-37-1</b>					
Acute (short-term) toxicity					
N/A	Fish	Danio rerio	LC50	96 h	≥10 g/L
OECD 202	Crustacea	Daphnia magna	EC50	48 h	≥100 mg/L
OECD 201	Algae/aquatic plants	Raphidocelis subcapitata	EC50	72 h	>20 mg/L
ISO 8192	Other organisms	Activated sludge	EC50	3 h	>10000 mg/L

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Chronic (long-term) toxicity					
N/A	Fish	N/A	N/A	N/A	N/A
OECD 211	Crustacea	Daphnia magna	NOEC	21 d	≥100 mg/L
OECD 201	Algae/aquatic plants	Raphidocelis subcapitata	NOEC	72 h	≥20 mg/L
N/A	Other organisms	N/A	N/A	N/A	N/A
<b>SUBSTANCE: CI 77492</b>					
<b>CAS NO. 51274-00-1</b>					
Acute (short-term) toxicity					
OECD 203	Fish	Danio rerio	LC50	96 h	> 100 g/L
OECD 202	Crustacea	Daphnia magna	EC50	48 h	≥100 mg/L
OECD 201	Algae/aquatic plants	Raphidocelis subcapitata	EC50	72 h	>20 mg/L
ISO 8192	Other organisms	Activated sludge	EC50	3 h	≥10000 mg/L
Chronic (long-term) toxicity					
N/A	Fish	N/A	N/A	N/A	N/A
OECD 211	Crustacea	Daphnia magna	NOEC	21 d	≥20 mg/L
OECD 201	Algae/aquatic plants	Raphidocelis subcapitata	NOEC	72 h	≥20 mg/L
N/A	Other organisms	N/A	N/A	N/A	N/A
12.2 Persistence and Degradability					
<i>Abiotic degradation</i>		No data available			
<i>Physical- and photo-chemical elimination</i>		No data available			
<i>Biodegradation</i>		Not readily biodegradable			
12.3 Bioaccumulative potential					
<i>Partition coefficient n-octanol /water (log Kow)</i>		No data available			
<i>Bioconcentration factor (BCF)</i>		No data available			
12.4 Mobility in soil					
<i>Known or predicted distribution to environmental compartments</i>		Water and soil are the main target segments of distribution in environment due to the physical and chemical properties of the substance.			
<i>Surface tension</i>		No data available			
<i>Adsorption/Desorption</i>		No data available			
12.5 Results of PBT and vPvB assessment					
The mixture does not contain substance(s) which meet criteria for PBT or vPvB in accordance with Annex XIII of REACH.					
12.6 Endocrine disrupting properties					
The mixture does not contain substance(s) that have been included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or identified as having endocrine disrupting properties in accordance with the criteria set out in Delegated Regulation (EU) 2017/2100 or Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 % by weight.					
12.7 Other adverse effects					
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, global warming potential) are expected from this product.					

## SECTION 13: Disposal considerations



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### 13.1 Waste treatment methods

<i>Product / Packaging disposal</i>	Not a hazardous waste. Dispose of in accordance with local and national regulations via a licensed waste disposal contractor.
<i>Contaminated packaging</i>	Contaminated packaging may contain traces of the product and therefore should be disposed of in the same way as product.

## SECTION 14: Transport information

### 14.1 UN number or ID number

Not regulated. Product is not classified as dangerous during transportation.

### 14.2 UN proper shipping name

Not regulated

### 14.3 Transport hazard class(es)

Not regulated

### 14.4 Packing group

Not regulated

### 14.5 Environmental hazards

Not regulated

### 14.6 Special precautions for user

Not regulated

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

Not regulated

## SECTION 15: Regulatory Information

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

#### *EU regulations*

This safety data sheet has been prepared according to Regulation (EC) No 1907/2006 (REACH).

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), as amended.

COMMISSION REGULATION (EU) 2020/2081 of 14 December 2020 amending Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as regards substances in tattoo inks or permanent make-up.

COMMISSION REGULATION (EU) No 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European

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Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

**The product has been classified and marked in accordance with Regulation (EC) No 1272/2008 (CLP).**

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

REGULATION (EU) 2016/918 OF THE COMMISSION of 19 May of 2016 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.

COMMISSION REGULATION (EU) 2018/1480 of 4 October 2018 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures and correcting Commission Regulation (EU) 2017/776

COMMISSION REGULATION (EU) 2018/669 of 16 April 2018 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.

COMMISSION REGULATION (EU) 2019/521 of 27 March 2019 amending, for the purposes of its adaptation to technical and scientific progress Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixture.

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives as amended. Regulation (EU) No 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC.

Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

Commission Directive 2017/164/EU of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU.

Commission Directive 2019/1831/EU of 24 October 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to

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*Restrictions on use*

*Other EU regulations*

Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

Not applicable.

This product does not contain any substances classified as 'Substances of Very High Concern' (SVHC) by the European Chemicals Agency (ECHA) under article 57 of REACH. Directive 2001/95/EC of the European Parliament and of the Council of 3 December 2001 on general product safety

### 15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### 16.1 Indication of changes

Not applicable.

### 16.2 Abbreviations and acronyms

ACGIH: American Conference of Governmental Industrial Hygienists

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety and Health Administration

IARC: International Agency for Research on Cancer

vPvB: Very persistent and very bio accumulative

PBT: Persistent, bioaccumulative and toxic

PPE: Personal protective equipment

SCBA: Self-contained breathing apparatus

LTEL: Long Term Exposure Limit

STEL: Short Term Exposure Limit

DNEL: Derived No Effect Level

PNEC: Predicted No Effect Concentration

EC0: Not effective concentration

EC3: Effective concentration at which 3% effect is observed

EC10: Effective concentration at which 10% effect is observed

EC50: Half maximal effective concentration

LC0: Non-lethal concentration

LC50: Median lethal concentration

LD50: Median lethal dose

NOEC: No Observable Effect Concentration

STOT SE: Specific target organ toxicity - single exposure

STOT RE: Specific target organ toxicity - repeated exposure

ADR/RID: Accord Dangereuses Route/International Carriage of Dangerous Goods by Rail

IMDG/IMO: International Maritime Dangerous Goods/International Maritime Organisation

ICAO/IATA: International Civil Aviation Organization/International Air Transport Association

ADN: International Carriage of Dangerous Goods by Inland Waterways

### 16.3 Key literature references and sources for data

ECHA (European Chemicals Agency)

GESTIS International Limit values Database

OSHA Occupational Chemical Database

PubChem: National Institutes of Health (NIH) Database

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### 16.4 Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Classification according to Regulation (EC) No. 1272/2008	Classification procedure
Not classified.	Not applicable.

### 16.5 Relevant H-statements (number and full text)

H351: Suspected of causing cancer

EUH066: Repeated exposure may cause skin dryness or cracking

### 16.6 Relevant CLP classifications

Carc. 2: Carcinogenicity, hazard category 2

### 16.7 Training advice

Before using/handling the product one must read carefully present SDS. Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

### 16.8 Further information

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Revision date: –

Version No. 1.0

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*