

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date:  $10/28/2024\$  Version: 3.0

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

1.1. Product identifier		
Product form Trade name UFI	<ul> <li>Mixture</li> <li>TrueVIS INK, TR2-CL2</li> <li>CLEANING LIQUID, (TR2-CL2) 100ML</li> <li>CLEANING LIQUID (TR2-CL2) SV 500ML</li> <li>FCTE-3W7P-VDKG-E021</li> </ul>	
1.2. Relevant identified uses of the substa	nce or mixture and uses advised against	
Relevant identified uses		
Main use category	: Professional use	
Function or use category	: Cleaning/washing agents and additives	
1.3. Details of the supplier of the safety da	ata sheet	
Manufacturer	Supplier	
Roland DG Corporation	Roland DG EMEA N.V.	
1-1-2 Shinmiyakoda, Hamana-ku,	Bell Telephonelaan 2G, 2440 Geel, Belgium	
Hamamatsu-shi,Shizuoka-ken, 431-2103 Japan	T +32 (0) 14 57 59 11	

〒431-2103

#### T +81-53-484-1200

# 1.4. Emergency telephone number

Country/Area	Organisation/Company	Emergency number	Comment
Ireland	Poisons Information Centre of Ireland	+353 18 37 99 64 (medical professionals) +353 18 09 21 66 (public)	
Malta	Malta Competition and Consumer Affairs Authority (MCCAA)	+356 2395 2000 1774 helpline for accidental poisoning	
United Kingdom	Emergency number England	999 NHS 111	or call a doctor

# **SECTION 2: Hazards identification**

# 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/200	8 [CLP]
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 1	H318
Full text of H- and EUH-statements: see section 16	



# Safety Data Sheet

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

# Adverse physicochemical, human health and environmental effects

Causes skin irritation. Causes serious eye damage.

2.2. Label elements	
Labelling according to Regulation (EC)	No. 1272/2008 [CLP]
Hazard pictograms (CLP)	GHS05
Signal word (CLP)	: Danger
Contains	: Ethane, 1,1'-oxybis[2-ethoxy-; 2(3H)-Furanone, dihydro-; Ethanol, 2-[2-(2- butoxyethoxy)ethoxy]-
Hazard statements (CLP)	<ul> <li>H315 - Causes skin irritation.</li> <li>H318 - Causes serious eye damage.</li> </ul>
Precautionary statements (CLP)	<ul> <li>P264 - Wash hands, forearms and face thoroughly after handling.</li> <li>P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.</li> <li>P302+P352 - IF ON SKIN: Wash with plenty of water.</li> <li>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P310 - Immediately call a POISON CENTER or doctor.</li> <li>P321 - Specific treatment (see supplemental first aid instruction on this label).</li> </ul>
2.2. Other hererde	

#### 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

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

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

# 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethane, 1,1'-oxybis[2-ethoxy-	CAS-No.: 112-36-7 EC-No.: 203-963-7 REACH-no: 01-2119969946- 13	65 – 75	Skin Irrit. 2, H315
Ethanol, 2-[2-(2-butoxyethoxy)ethoxy]-	CAS-No.: 143-22-6 EC-No.: 205-592-6 EC Index-No.: 603-183-00-0	10 – 20	Eye Dam. 1, H318



# Safety Data Sheet

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

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2(3H)-Furanone, dihydro-	CAS-No.: 96-48-0 REACH-no: 01-2119471839- 21	5 – 15	Acute Tox. 4 (Oral), H302 (ATE=800 mg/kg bodyweight) Eye Dam. 1, H318 STOT SE 3, H336

Specific concentration limits:		
Name	Product identifier	Specific concentration limits (%)
Ethanol, 2-[2-(2-butoxyethoxy)ethoxy]-         CAS-No.: 143-22-6         (20 ≤ C < 30) Eye Irrit. 2; H319           EC-No.: 205-592-6         (30 ≤ C ≤ 100) Eye Dam. 1; H318           EC Index-No.: 603-183-00-0		

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

# SECTION 4: First aid measures

#### 4.1. Description of first aid measures First-aid measures general : If you feel unwell, seek medical advice. First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention. First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. : Call a poison center or a doctor if you feel unwell. First-aid measures after ingestion First-aid measures for first aider : First aid workers will be equipped with suitable personal protective equipment. 4.2. Most important symptoms and effects, both acute and delayed Symptoms/effects after inhalation : Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard. Symptoms/effects after skin contact : Irritation. Symptoms/effects after eye contact : Serious damage to eyes. None under normal conditions. Symptoms/effects after ingestion ÷

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

Treat symptomatically.

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media Unsuitable extinguishing media	<ul><li>Water spray. Dry powder. Foam. Carbon dioxide.</li><li>Do not use a heavy water stream.</li></ul>



# Safety Data Sheet

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

5.2. Special hazards arising from the substance or mixture		
Explosion hazard Hazardous decomposition products in case of fire	<ul><li>No direct explosion hazard.</li><li>Toxic fumes may be released.</li></ul>	
5.3. Advice for firefighters		
Firefighting instructions	: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.	

SECTION 6: Accidental release measures		
6.1. Personal precautions, protective	e equipment and emergency procedures	
General measures	: Stop leak if safe to do so. Absorb spillage to prevent material damage.	
For non-emergency personnel		
Protective equipment	: Wear recommended personal protective equipment.	
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes.	
For emergency responders		
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	
Emergency procedures	: Evacuate unnecessary personnel. Stop leak if safe to do so.	
6.2. Environmental precautions		

# Avoid release to the environment.

6.3. Methods and material for containment and cleaning up		
For containment	: Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.	
Methods for cleaning up	: Take up liquid spill into absorbent material.	
Other information	: Dispose of materials or solid residues at an authorized site.	
6.4. Reference to other sections		

For further information refer to section 13.

SECTION 7: Handling and stor	age
7.1. Precautions for safe handling	
Precautions for safe handling	<ul> <li>Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.</li> </ul>
Hygiene measures	: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, in	ncluding any incompatibilities
Technical measures	: Keep in a cool, well-ventilated place away from heat.
10/28/2024 (Issue date)	EU - en 4/1



# Safety Data Sheet

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

Storage conditions	:	Keep cool. Protect from sunlight.
Packaging materials	:	Store always product in container of same material as original container.

7.3. Specific end use(s)

No additional information available

# **SECTION 8: Exposure controls/personal protection**

# 8.1. Control parameters

# **DNEL and PNEC**

Ethane, 1,1'-oxybis[2-ethoxy- (112-36-7)		
DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal	3.43 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	50.05 mg/m³	
DNEL/DMEL (General population)		
Long-term - systemic effects,oral	1.71 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	5.96 mg/m³	
Long-term - systemic effects, dermal	1.71 mg/kg bodyweight/day	
Ethanol, 2-[2-(2-butoxyethoxy)ethoxy]- (143-2	2-6)	
DNEL/DMEL (Workers)		
Acute - systemic effects, dermal	400 mg/kg bodyweight/day	
Acute - systemic effects, inhalation	96 mg/m³	
Acute - local effects, dermal	8.35 mg/cm <sup>2</sup>	
Acute - local effects, inhalation	96 mg/m³	
Long-term - systemic effects, dermal	1005 mg/kg bodyweight/day	
Long-term - local effects, dermal	5.65 mg/cm <sup>2</sup>	
Long-term - systemic effects, inhalation	24 mg/m <sup>3</sup>	
Long-term - local effects, inhalation	30.5 mg/m <sup>3</sup>	
DNEL/DMEL (General population)		
Acute - systemic effects, dermal	200 mg/kg bodyweight/day	
Acute - systemic effects, inhalation	48 mg/m <sup>3</sup>	
Acute - systemic effects, oral	103.4 mg/kg bodyweight/day	
Acute - local effects, dermal	4.173 mg/cm <sup>2</sup>	
Acute - local effects, inhalation	48 mg/m <sup>3</sup>	
Long-term - systemic effects,oral	50.25 mg/kg bodyweight/day	

10/28/2024 (Issue date)

5/13



# Safety Data Sheet

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

Long-term - systemic effects, dermal502.5 mg/kg bodyweight/dayLong-term - local effects, dermal2.823 mg/cm²Long-term - local effects, inhalation15.252 mg/m³PNEC (Water)100 mg/lPNEC aqua (freshwater)100 mg/lPNEC aqua (marine water)142.57 mg/lPNEC aqua (intermittent, freshwater)22 mg/lPNEC sediment (freshwater)1.115 mg/kg dwtPNEC sediment (marine water)1.1115 mg/kg dwtPNEC sediment (marine water)1.1115 mg/kg dwtPNEC sediment (marine water)1.151 mg/kg dwtPNEC sediment (marine water)525.5 mg/kg foodPNEC oral (secondary poisoning)525.5 mg/kg food	Ethanol, 2-[2-(2-butoxyethoxy)ethoxy]- (143-22-6)		
Long-term - local effects, dermal2.823 mg/cm2Long-term - local effects, inhalation15.252 mg/m3PNEC (Water)100 mg/lPNEC aqua (freshwater)100 mg/lPNEC aqua (marine water)142.57 mg/lPNEC aqua (intermittent, freshwater)22 mg/lPNEC sediment)11.115 mg/kg dwtPNEC sediment (marine water)1.1115 mg/kg dwtPNEC sediment (marine water)1.1115 mg/kg dwtPNEC sediment (marine water)1.1115 mg/kg dwtPNEC sediment (marine water)525.5 mg/kg foodPNEC oral (secondary poisoning)525.5 mg/kg food	Long-term - systemic effects, inhalation	12 mg/m <sup>3</sup>	
Long-term - local effects, inhalation15.252 mg/m³PNEC (Water)100 mg/lPNEC aqua (freshwater)100 mg/lPNEC aqua (marine water)142.57 mg/lPNEC aqua (intermittent, freshwater)22 mg/lPNEC (Sediment)11.115 mg/kg dwtPNEC sediment (freshwater)1.1115 mg/kg dwtPNEC sediment (marine water)1.1115 mg/kg dwtPNEC soil11.51 mg/kg dwtPNEC (Soil)19.55 mg/kg dwtPNEC (Soil)525.5 mg/kg foodPNEC oral (secondary poisoning)525.5 mg/kg foodPNEC (STP)10.51 mg/kg food	Long-term - systemic effects, dermal	502.5 mg/kg bodyweight/day	
PNEC (Water)       100 mg/l         PNEC aqua (freshwater)       142.57 mg/l         PNEC aqua (intermittent, freshwater)       22 mg/l         PNEC (Sediment)       22 mg/l         PNEC sediment (freshwater)       11.115 mg/kg dwt         PNEC sediment (marine water)       1.1115 mg/kg dwt         PNEC sediment (marine water)       1.1115 mg/kg dwt         PNEC soil       11.51 mg/kg dwt         PNEC soil       15.51 mg/kg dwt         PNEC oral (secondary poisoning)       525.5 mg/kg food         PNEC (STP)       Interval	Long-term - local effects, dermal	2.823 mg/cm <sup>2</sup>	
PNEC aqua (freshwater)       100 mg/l         PNEC aqua (marine water)       142.57 mg/l         PNEC aqua (intermittent, freshwater)       22 mg/l         PNEC (sediment)       11.115 mg/kg dwt         PNEC sediment (marine water)       11.115 mg/kg dwt         PNEC sediment (marine water)       1.1115 mg/kg dwt         PNEC sediment (marine water)       11.51 mg/kg dwt         PNEC (Soil)       11.51 mg/kg dwt         PNEC soil       15.5 mg/kg food         PNEC oral (secondary poisoning)       525.5 mg/kg food	Long-term - local effects, inhalation	15.252 mg/m³	
PNEC aqua (marine water)       142.57 mg/l         PNEC aqua (intermittent, freshwater)       22 mg/l         PNEC (Sediment)       11.115 mg/kg dwt         PNEC sediment (freshwater)       11.115 mg/kg dwt         PNEC sediment (marine water)       1.1115 mg/kg dwt         PNEC (Soil)       11.51 mg/kg dwt         PNEC soil       11.51 mg/kg dwt         PNEC (Soil)       525.5 mg/kg food         PNEC (STP)       1	PNEC (Water)		
PNEC aqua (intermittent, freshwater)     22 mg/l       PNEC (Sediment)     11.115 mg/kg dwt       PNEC sediment (freshwater)     11.115 mg/kg dwt       PNEC sediment (marine water)     1.1115 mg/kg dwt       PNEC (Soil)     11.51 mg/kg dwt       PNEC soil     11.51 mg/kg dwt       PNEC coral (secondary poisoning)     525.5 mg/kg food	PNEC aqua (freshwater)	100 mg/l	
PNEC (Sediment)     11.115 mg/kg dwt       PNEC sediment (freshwater)     11.115 mg/kg dwt       PNEC (Soil)     1.1115 mg/kg dwt       PNEC (Soil)     11.51 mg/kg dwt       PNEC soil     11.51 mg/kg dwt       PNEC (Oral)     525.5 mg/kg food	PNEC aqua (marine water)	142.57 mg/l	
PNEC sediment (freshwater)       11.115 mg/kg dwt         PNEC sediment (marine water)       1.1115 mg/kg dwt         PNEC (Soil)       11.51 mg/kg dwt         PNEC soil       11.51 mg/kg dwt         PNEC (Oral)       525.5 mg/kg food         PNEC (STP)       1000000000000000000000000000000000000	PNEC aqua (intermittent, freshwater)	22 mg/l	
PNEC sediment (marine water)     1.1115 mg/kg dwt       PNEC (Soil)     11.51 mg/kg dwt       PNEC soil     11.51 mg/kg dwt       PNEC (Oral)     525.5 mg/kg food	PNEC (Sediment)		
PNEC (Soil) PNEC soil 11.51 mg/kg dwt PNEC (Oral) PNEC oral (secondary poisoning) 525.5 mg/kg food PNEC (STP)	PNEC sediment (freshwater)	11.115 mg/kg dwt	
PNEC soil     11.51 mg/kg dwt       PNEC (Oral)     525.5 mg/kg food       PNEC (STP)     525.5 mg/kg food	PNEC sediment (marine water)	1.1115 mg/kg dwt	
PNEC (Oral) PNEC oral (secondary poisoning) 525.5 mg/kg food PNEC (STP)	PNEC (Soil)		
PNEC oral (secondary poisoning) 525.5 mg/kg food PNEC (STP)	PNEC soil	11.51 mg/kg dwt	
PNEC (STP)	PNEC (Oral)		
	PNEC oral (secondary poisoning)	525.5 mg/kg food	
PNEC sewage treatment plant 199.5 mg/l	PNEC (STP)		
	PNEC sewage treatment plant	199.5 mg/l	

# 8.2. Exposure controls

### Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Personal protection equipment

#### Personal protective equipment:

Wear recommended personal protective equipment.

#### Eye and face protection

### Eye protection:

Not required under suitable use as setting the cleaning liquid on the printer. However, in case of direct contact to the cleaning liquid, wear EN166 approved safety glasses or chemical splash goggles.

#### Skin protection

#### Skin and body protection:

Not required under suitable use as setting the cleaning liquid on the printer. However, in case of direct contact to the cleaning liquid, wear protective clothing.

#### Hand protection:

Not required under suitable use as setting the cleaning liquid on the printer. However, in case of direct contact to the cleaning liquid, use protective gloves. Recommended impervious gloves is EN420/374 approved butyl rubber glove.



# Safety Data Sheet

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

### **Respiratory protection**

#### **Respiratory protection:**

In case of inadequate ventilation and exposure limits are exceeded or if irritation or other symptoms are experienced, use a NIOSH/MSHA or European Standard EN149 approved respirator (with activated carbon layer for organic vapour).

#### **Environmental exposure controls**

Environmental exposure controls: Avoid release to the environment. Other information:

Wash hands immediately after handling the product. And wash it before reuse. Do not eat, drink or smoke during work.

# **SECTION 9: Physical and chemical properties**

# 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Odour	: characteristic.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: >71 °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
рН	: Not available
Viscosity, kinematic	: Not available
Solubility	: Water solubility.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: 0.9 – 1
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

# 9.2. Other information

No additional information available

# **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

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

### **10.2. Chemical stability**

Stable under normal conditions.

10/28/2024 (Issue date)

EU - en



# Safety Data Sheet

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

**10.3. Possibility of hazardous reactions** 

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions.

**10.5. Incompatible materials** 

No additional information available

**10.6. Hazardous decomposition products** 

Carbon monoxide, carbon dioxide, oxides of nitrogen, toxic gases/vapors.

11.1. Information on hazard classes as d	efine	d in Regulation (EC) No 1272/2008
Acute toxicity (oral) Acute toxicity (dermal)	:	Not classified (Based on available data, the classification criteria are not met). Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	:	Not classified (Based on available data, the classification criteria are not met)
TrueVIS INK, TR2-CL2		
CLEANING LIQUID, (TR2-CL2) 100ML		
CLEANING LIQUID (TR2-CL2) SV 500ML		
LD50 oral		1582 mg/kg bodyweight
LC50 Inhalation - Rat (Vapours)		5.1 mg/l/4h
Skin corrosion/irritation	:	Causes skin irritation.
Serious eye damage/irritation	:	Causes serious eye damage.
Respiratory or skin sensitisation	:	Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	:	Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	:	IARC evaluated printing ink as a Group3(Not classifiable as to carcinogenicity to humans)
2(3H)-Furanone, dihydro- (96-48-0)		
IARC group		3 - Not classifiable
Reproductive toxicity	:	Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	:	Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	:	Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	:	Not classified (Based on available data, the classification criteria are not met)

11.2. Information on other hazards

No additional information available



# Safety Data Sheet

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

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general Hazardous to the aquatic environment, short–term (acute) Hazardous to the aquatic environment, long–term (chronic)	<ul> <li>The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.</li> <li>Not classified (Based on available data, the classification criteria are not met)</li> <li>Not classified (Based on available data, the classification criteria are not met)</li> </ul>
12.2. Persistence and degradability	
TrueVIS INK, TR2-CL2 CLEANING LIQUID, (TR2-CL2) 100ML CLEANING LIQUID (TR2-CL2) SV 500ML	
Persistence and degradability	No data available.
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessment	
No additional information available	
12.6. Endocrine disrupting properties	
No additional information available	
12.7. Other adverse effects	
No additional information available	
SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Regional waste regulation Waste treatment methods	<ul><li>Disposal must be done according to official regulations.</li><li>Dispose of contents/container in accordance with licensed collector's sorting instructions.</li></ul>

• Die	pose of contents/container in a	coordance with licensed	collector's sorting instructions
. 013			

: Disposal must be done according to official regulations.

- : Disposal must be done according to official regulations.
  - : Do not re-use empty containers.
- European List of Waste (LoW, EC 2000/532) : 08 03 12\* - waste ink containing dangerous substances

# **SECTION 14: Transport information**

Product/Packaging disposal recommendations

Sewage disposal recommendations

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

Additional information



# Safety Data Sheet

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

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number or ID n	I4.1. UN number or ID number			
Not regulated for transport				
14.2. UN proper shipping	g name			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard o	14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group	14.4. Packing group			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental haz	ards			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary informatio	n available			-

# 14.6. Special precautions for user

Overland transport Not regulated

Transport by sea Not regulated

Air transport Not regulated

Inland waterway transport Not regulated

Rail transport Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

# SECTION 15: Regulatory information

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

### **EU-Regulations**

### **REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

### **REACH Candidate List (SVHC)**

Contains no substance(s) listed on the REACH Candidate List



# Safety Data Sheet

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

### **PIC Regulation (Prior Informed Consent)**

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

#### **POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

#### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

#### Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

#### **Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

# **SECTION 16: Other information**

Abbreviations and acronyms:		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
BLV	Biological limit value	
BOD	Biochemical oxygen demand (BOD)	
COD	Chemical oxygen demand (COD)	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	
EC50	Median effective concentration	
EN	European Standard	
IARC	International Agency for Research on Cancer	
ΙΑΤΑ	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	

11/13



# Safety Data Sheet

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

Abbreviations and acronyms:		
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
OEL	Occupational Exposure Limit	
РВТ	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	
ThOD	Theoretical oxygen demand (ThOD)	
TLM	Median Tolerance Limit	
VOC	Volatile Organic Compounds	
CAS-No.	Chemical Abstract Service number	
N.O.S.	Not Otherwise Specified	
vPvB	Very Persistent and Very Bioaccumulative	
ED	Endocrine disruptor	

Full text of H- and EUH-statements:		
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
H302	Harmful if swallowed.	
H315	Causes skin irritation.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H336	May cause drowsiness or dizziness.	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis	



# Safety Data Sheet

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

RDG Safety Data Sheet (SDS), EU

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.