

Safety Data Sheet

Issue date: 3/26/2025 Version: 5.0

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

1.1. Product identifier

Product form : Mixture

Trade name : ECO-UV, EUV-PR

UFI : PASE-0WXX-6DKH-GW28

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

Relevant identified uses

Main use category : Professional use Function or use category : Inkjet Printing ink

1.3. Details of the supplier of the safety data sheet

Manufacturer

Roland DG Corporation 1-1-2 Shinmiyakoda, Hamana-ku, Hamamatsu-shi,Shizuoka-ken, 431-2103 Japan

〒431-2103

T +81-53-484-1200

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS classification

Physical hazards Flammable liquids Category 4 Health hazards Acute toxicity (oral) Category 4 Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 1 Skin sensitization Category 1 Category 1B Reproductive toxicity Category 2 Specific target organ toxicity (repeated exposure) Environmental hazards Category 1 Hazardous to the aquatic environment, long-term

(chronic)

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

Adverse physicochemical, human health and environmental effects

May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Very toxic to aquatic life with long lasting effects.



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2.2. Label elements

Label elements

Hazard pictograms









Signal word : Danger

Hazard statements : Combustible liquid (H227) Harmful if swallowed. (H302)

Causes skin irritation. (H315)

May cause an allergic skin reaction. (H317) Causes serious eye damage. (H318)

May damage fertility or the unborn child. (H360)

May cause damage to organs through prolonged or repeated exposure. (H373)

Very toxic to aquatic life with long lasting effects. (H410)

Precautionary statements

Response

Storage

Prevention : Obtain special instructions before use. (P201)

Do not handle until all safety precautions have been read and understood. (P202) Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking. (P210)

Do not breathe dust/fume/gas/mist/vapours/spray. (P260) Wash hands, forearms and face thoroughly after handling. (P264) Do not eat, drink or smoke when using this product. (P270)

Contaminated work clothing should not be allowed out of the workplace. (P272)

Avoid release to the environment. (P273)

Wear protective gloves/protective clothing/eye protection/face protection. (P280)

: IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. (P301+P312)

IF ON SKIN: Wash with plenty of water. (P302+P352)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. (P305+P351+P338) IF exposed or concerned: Get medical advice/attention. (P308+P313)

Immediately call a POISON CENTER or doctor. (P310) Get medical advice/attention if you feel unwell. (P314)

Specific treatment (see supplemental first aid instruction on this label). (P321)

Rinse mouth. (P330)

If skin irritation or rash occurs: Get medical advice/attention. (P333+P313) Take off contaminated clothing and wash it before reuse. (P362+P364)

In case of fire: Use ... to extinguish. (P370+P378)

Collect spillage. (P391)

: Store in a well-ventilated place. (P403)

Store locked up. (P405)

Disposal : Dispose of contents/container to hazardous or special waste collection point, in accordance

with local, regional, national and/or international regulation. (P501)

2.3. Other hazards

No additional information available



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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-Propenoic acid, phenylmethyl ester	CAS-No.: 2495-35-4 EC-No.: 219-673-9 REACH-no: 01-2120772339-	50 – 60	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 1, H410
2-Propen-1-one, 1-(4-morpholinyl)-	CAS-No.: 5117-12-4 EC-No.: 418-140-1 EC Index-No.: 613-222-00-3 REACH-no: 01-2120102080-	10 – 20	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) STOT RE 2, H373 Eye Dam. 1, H318 Skin Sens. 1, H317
Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-substance listed as REACH Candidate	CAS-No.: 75980-60-8 EC-No.: 278-355-8 EC Index-No.: 015-203-00-X REACH-no: 01-2119972295-	10 – 20	Skin Sens. 1, H317 Repr. 1B, H360
N-VINYL CAPROLACTAM	CAS-No.: 2235-00-9 EC-No.: 218-787-6 REACH-no: 01-2119977109- 27	5 – 10	Acute Tox. 4 (Oral), H302 (ATE=1114 mg/kg bodyweight) Acute Tox. 4 (Dermal), H312 (ATE=1700 mg/kg bodyweight) Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT RE 1, H372
2-Propenoic acid, 1,6-hexanediyl ester	CAS-No.: 13048-33-4 EC-No.: 235-921-9 EC Index-No.: 607-109-00-8 REACH-no: 01-2119484737- 22	0 – 1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
Glycerol, propoxylated, esters with acrylic acid	CAS-No.: 52408-84-1	0 – 1	Eye Irrit. 2, H319 Skin Sens. 1, H317

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 exposed or concerned: Get medical advice/attention.

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 or rash

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.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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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. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Serious damage to eyes. Symptoms/effects after ingestion : None under normal conditions.

Chronic symptoms : May damage fertility or the unborn child.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Explosion hazard : No direct explosion hazard.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

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 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 : Only qualified personnel equipped with suitable protective equipment may intervene. Do not

breathe dust/fume/gas/mist/vapours/spray.

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.



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6.3. Methods and material for containment and cleaning up

For containment : Collect spillage. 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 storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Obtain special instructions before use. Do not

handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with

skin and eyes.

Hygiene measures : Separate working clothes from town clothes. Launder separately. Wash contaminated

clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after

handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.

Storage conditions : Store locked up.

Packaging materials : Store always product in container of same material as original container.

7.3. Specific end use(s)

Inkjet Printing ink.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL and PNEC

-VINYL CAPROLACTAM (2235-00-9)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	0.7 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	4.9 mg/m³
Long-term - local effects, inhalation	0.17 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	0.4 mg/kg bodyweight/day
Long-term - systemic effects, inhalation 1.04 mg/m³	
Long-term - systemic effects, dermal	0.42 mg/kg bodyweight/day



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N-VINYL CAPROLACTAM (2235-00-9)		
Long-term - local effects, inhalation	0.04 mg/m³	
Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)- (75980-60-8)		
DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal	0.233 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	0.822 mg/m³	
DNEL/DMEL (General population)		
Long-term - systemic effects,oral	83.3 μg/kg bodyweight/day	
Long-term - systemic effects, inhalation	0.145 mg/m³	
Long-term - systemic effects, dermal	83.3 μg/kg bodyweight/day	
PNEC (Water)		
PNEC aqua (freshwater)	1.4 µg/l	
PNEC aqua (marine water)	0.14 μg/l	
PNEC aqua (intermittent, freshwater)	14 μg/l	
PNEC aqua (intermittent, marine water)	1.4 µg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	0.115 mg/kg dwt	
PNEC sediment (marine water)	11.5 μg/kg dw	
PNEC (Soil)		
PNEC soil	22.2 μg/kg dw	
2-Propenoic acid, 1,6-hexanediyl ester (13048-33-4)		
DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal	2.77 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	24.5 mg/m³	
DNEL/DMEL (General population)		
Long-term - systemic effects,oral	2.1 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	7.2 mg/m³	
Long-term - systemic effects, dermal	1.66 mg/kg bodyweight/day	
PNEC (Water)		
PNEC aqua (freshwater)	0.00723 mg/l	
PNEC aqua (marine water)	0.000723 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	0.493 mg/kg dwt	
PNEC sediment (marine water)	0.0493 mg/kg dwt	



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2-Propenoic acid, 1,6-hexanediyl ester (13048-33-4)	
PNEC (Soil)	
PNEC soil 0.094 mg/kg dwt	
PNEC (STP)	
PNEC sewage treatment plant 2.7 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 ink on the printer. However, in case of direct contact to the ink, wear EN166 approved safety glasses or chemical splash goggles.

Skin protection

Skin and body protection:

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

Hand protection:

Employee must wear appropriate protective impervious gloves to prevent contact with the ink. Recommended Chemical Protective Gloves are EN420/374 approved ethylene vinyl alcohol (EVOH) Gloves and Laminate gloves. Laminate gloves are made by cutting and then heat-sealing patterns of various hand sizes from laminated sheets of EVOH sealed between layers of polyethylene.

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: LiquidColour: Colourless.Appearance: Liquid.Odour: characteristic.Odour threshold: Not availableMelting point: Not applicable

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Freezing point : Not available : Not available Boiling point : No data available Flammability Lower explosion limit : Not available Upper explosion limit : Not available : > 70 °C Flash point Auto-ignition temperature : Not available Decomposition temperature : Not available : Not available Viscosity, kinematic : Not available

Solubility : Soluble in water with difficulty.

Partition coefficient n-octanol/water (Log Kow) : Not available Vapour pressure : Not available Vapour pressure at 50°C : Not available Density : 1 – 1.1 Relative density : Not available Relative vapour density at 20°C : Not available Particle characteristics : Not applicable

9.2. Other information

Other safety characteristics

SAPT : > 50 °C VOC content : > 60 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stable under normal conditions.

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.



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SECTION 11: Toxicological inform	nation
11.1. Information on hazard classes a	s defined in Regulation (EC) No 1272/2008
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation)	 Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met)
2-Propenoic acid, phenylmethyl ester	(2495-35-4)
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method), Guideline: EU Method B.1 bis (Acute Oral Toxicity - Fixed Dose Procedure)
N-VINYL CAPROLACTAM (2235-00-9)	
LD50 oral rat	1114 mg/kg Source: ECHA
LD50 dermal rabbit	1700 mg/kg Source: ECHA
2-Propen-1-one, 1-(4-morpholinyl)- (5	117-12-4)
LD50 oral rat	588 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 524 - 701
LD50 oral	588 mg/kg bodyweight Animal: other:, Guideline: other:, 95% CL: 524 - 701
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
Phosphine oxide, diphenyl(2,4,6-trime	ethylbenzoyl)- (75980-60-8)
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity), Guideline: other:
2-Propenoic acid, 1,6-hexanediyl este	er (13048-33-4)
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
LD50 oral	5000 mg/kg
LD50 dermal rabbit	3650 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal	3600 mg/kg
Glycerol, propoxylated, esters with a	crylic acid (52408-84-1)
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: other:
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	pH: Not available : Causes serious eye damage. pH: Not available
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
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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).

Reproductive toxicity : May damage fertility or the unborn child.

STOT-single exposure Not classified (Based on available data, the classification criteria are not met) STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure. Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general

Hazardous to the aquatic environment, short-term

Hazardous to the aquatic environment, long-term

(chronic)

: Very toxic to aquatic life with long lasting effects.

: Not classified (Based on available data, the classification criteria are not met).

: Very toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

ECO-UV, EUV-PR

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

: Disposal must be done according to official regulations. Regional waste regulation

Dispose of contents/container in accordance with licensed collector's sorting instructions. Waste treatment methods

Disposal must be done according to official regulations. Sewage disposal recommendations Product/Packaging disposal recommendations Disposal must be done according to official regulations.



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Additional information : Do not re-use empty containers.

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EmS-No. (Spillage): S-F

European List of Waste (LoW, EC 2000/532) : 08 03 12* - waste ink containing dangerous substances

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
Special provision(s) applied : 375	Special provision(s)	Special provision(s)	Special provision(s)	Special provision(s)
	applied : 969	applied : A197	applied : 375	applied : 375

These substances when carried in single or combination packagings containing a net quantity per single or inner packaging of 5 I or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids, are not subject to any other provisions of ADR provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

14.1. UN number or ID number

| UN 3082 |
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14.2. UN proper shipping name

ENVIRONMENTALLY	ENVIRONMENTALLY	Environmentally hazardous	ENVIRONMENTALLY	ENVIRONMENTALLY
HAZARDOUS	HAZARDOUS	substance, liquid, n.o.s.	HAZARDOUS	HAZARDOUS
SUBSTANCE, LIQUID,	SUBSTANCE, LIQUID,		SUBSTANCE, LIQUID,	SUBSTANCE, LIQUID,
N.O.S.	N.O.S.		N.O.S.	N.O.S.
N.O.S.	N.O.S.		N.O.S.	N.O.S.

UN 3082	UN 3082	UN 3082 Environmentally	UN 3082	UN 3082
ENVIRONMENTALLY	ENVIRONMENTALLY	hazardous substance,	ENVIRONMENTALLY	ENVIRONMENTALLY
HAZARDOUS	HAZARDOUS	liquid, n.o.s., 9, III	HAZARDOUS	HAZARDOUS
SUBSTANCE, LIQUID,	SUBSTANCE, LIQUID,		SUBSTANCE, LIQUID,	SUBSTANCE, LIQUID,
N.O.S., 9, III, (-)	N.O.S., 9, III, MARINE		N.O.S., 9, III	N.O.S., 9, III
	POLLUTANT			

14.3. Transport hazard class(es)

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14.4. Packing group

1	4.5. Environmental has	zards			
	Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes EmS-No. (Fire): F-A	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes

No supplementary information available

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14.6. Special precautions for user

Overland transport

Classification code (ADR) : M6

Special provisions (ADR) : 274, 335, 375, 601

Limited quantities (ADR) : 5I Excepted quantities (ADR) : E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

Special packing provisions (ADR) : PP1
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T4
Portable tank and bulk container special provisions : TP1, TP29

(ADR)

Tank code (ADR) : LGBV
Vehicle for tank carriage : AT
Transport category (ADR) : 3
Special provisions for carriage - Packages (ADR) : V12
Special provisions for carriage - Loading, unloading : CV13

and handling (ADR)

Hazard identification number (Kemler No.) : 90

Orange plates :

90 3082

Tunnel restriction code (ADR)

Transport by sea

Special provisions (IMDG) : 274, 335, 969

Limited quantities (IMDG) : 5 L Excepted quantities (IMDG) : E1 : LP01, P001 Packing instructions (IMDG) Special packing provisions (IMDG) : PP1 IBC packing instructions (IMDG) : IBC03 Tank instructions (IMDG) : T4 Tank special provisions (IMDG) : TP1, TP29 Stowage category (IMDG) : A

Air transport

PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y964
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 964
PCA max net quantity (IATA) : 450L
CAO packing instructions (IATA) : 964
CAO max net quantity (IATA) : 450L

Special provisions (IATA) : A97, A158, A197, A215

ERG code (IATA) : 9L

Inland waterway transport

Classification code (ADN) : M6

Special provisions (ADN) : 274, 335, 375, 601

Limited quantities (ADN) : 5 L
Excepted quantities (ADN) : E1



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Carriage permitted (ADN) : T
Equipment required (ADN) : PP
Number of blue cones/lights (ADN) : 0

Rail transport

Classification code (RID) : M6

Special provisions (RID) : 274, 335, 375, 601

Limited quantities (RID) : 5L

Excepted quantities (RID) : E1

Packing instructions (RID) : P001, IBC03, LP01, R001

Special packing provisions (RID) : PP1
Mixed packing provisions (RID) : MP19
Portable tank and bulk container instructions (RID) : T4
Portable tank and bulk container special provisions : TP1, TP29

(RID)

Tank codes for RID tanks (RID) : LGBV

Transport category (RID) : 3

Special provisions for carriage – Packages (RID) : W12

Special provisions for carriage - Loading, unloading : CW13, CW31

and handling (RID)

Colis express (express parcels) (RID) : CE8
Hazard identification number (RID) : 90

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 substance(s) listed on the REACH Candidate List in concentrations ≥ 0.1 % or SCL: Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-(EC 278-355-8, CAS 75980-60-8)

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.

VOC Directive (2004/42)

VOC content : 36 g/l

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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 acr	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		
IATA	International Air Transport Association		
IMDG	International Maritime Dangerous Goods		
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		
PBT	Persistent Bioaccumulative Toxic		



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Abbreviations and acronyms:	
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 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H360	May damage fertility or the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.
Repr. 1B	Reproductive toxicity, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2



Safety Data Sheet

RDG Safety Data Sheet (SDS), EU GHS Ver

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.