

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 3/13/2024 Version: 1.0

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

### **1.1. Product identifier**

Product form	:	Substance (UVCB)
Substance name	:	EO Davana
IUPAC name	:	Artemisia pallens, ext.
EC-No.	:	295-155-6
CAS-No.	:	91844-86-9
Product code	:	20144
Product group	:	Trade product

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

#### 1.2.1. Relevant identified uses

## Intended for general public

Main use category Use of the substance/mixture Professional use,Consumer useFragrance raw material

#### 1.2.2. Uses advised against

No additional information available

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

De Hekserij Spoorstraat 57 8271 RG IJsselmuiden Nederland www.hekserij.nl

#### 1.4. Emergency telephone number

No additional information available

## **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

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

Skin sensitisation, Category 1	H317
Aspiration hazard, Category 1	H304
Hazardous to the aquatic environment – Chronic Hazard,	H412
Category 3	
Full to start of LL and FLUL statements and another 40	

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

### Adverse physicochemical, human health and environmental effects

May cause an allergic skin reaction. May be fatal if swallowed and enters airways. Harmful to aquatic life with long lasting effects.

### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/	2008 [CLP]
Hazard pictograms (CLP)	GHS07 GHS08
Signal word (CLP) Hazard statements (CLP)	<ul> <li>Danger</li> <li>H304 - May be fatal if swallowed and enters airways.</li> </ul>
	H317 - May cause an allergic skin reaction. H412 - Harmful to aquatic life with long lasting effects.

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Precautionary statements (CLP)	: P261 - Avoid breathing fume, mist, spray, vapours.
Frecautionally statements (OLF)	. F201 - Avolu bleatining turne, mist, spray, vapours.
	P273 - Avoid release to the environment.
	P280 - Wear protective gloves, face protection.
	P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor.
	P331 - Do NOT induce vomiting.
	P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
	P362+P364 - Take off contaminated clothing and wash it before reuse.
	P405 - Store locked up.
	P501 - Dispose of contents and container to hazardous or special waste collection point, in
	accordance with local, regional, national and/or international regulation.

## 2.3. Other hazards

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

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

## 3.1. Substances

Substance type	: UVCB
Name	: EO Davana
CAS-No.	: 91844-86-9
EC-No.	: 295-155-6

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
EO Davana	CAS-No.: 91844-86-9 EC-No.: 295-155-6	100	See section 2.1
Geranyl acetate	CAS-No.: 105-87-3 EC-No.: 203-341-5 REACH-no: 01-2119973480- 35	1 – 5	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
Linalool	CAS-No.: 78-70-6 EC-No.: 201-134-4 EC Index-No.: 603-235-00-2 REACH-no: 01-2119474016- 42	< 1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
I-limonene	CAS-No.: 5989-54-8 EC-No.: 227-815-6	< 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
p-Cymene	CAS-No.: 99-87-6 EC-No.: 202-796-7 EC Index-No.: 601-094-00-1	< 1	Flam. Liq. 3, H226 Acute Tox. 3 (Inhalation), H331 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Pinene alpha	CAS-No.: 80-56-8 EC-No.: 201-291-9	< 1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304

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

### 3.2. Mixtures

## Not applicable

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# SECTION 4: First aid measures

4.1. Description of first aid measures		
First-aid measures general	: Call a physician immediately.	
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 eyes with water as a precaution.	
First-aid measures after ingestion	: Do not induce vomiting. Call a physician immediately.	
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	: May cause an allergic skin reaction.	
Symptoms/effects after eye contact	: None under normal conditions.	
Symptoms/effects after ingestion	: Risk of lung oedema.	

### 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 Fire hazard : No fire hazard. : No direct explosion hazard. 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 equipm	nent and emergency procedures	
General measures	: Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.	
6.1.1. For non-emergency personnel		
	<ul> <li>Wear recommended personal protective equipment.</li> <li>Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.</li> </ul>	
6.1.2. For emergency responders		
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	
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	: 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 Other information	<ul><li>Take up liquid spill into absorbent material.</li><li>Dispose of materials or solid residues at an authorized site.</li></ul>
6.4. Reference to other sections	

For further information refer to section 13.

SECTION 7: Handling and storage	9
7.1. Precautions for safe handling	
Additional hazards when processed Precautions for safe handling	<ul> <li>Not expected to present a significant hazard under anticipated conditions of normal use.</li> <li>Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.</li> </ul>
Hygiene measures	<ul> <li>Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.</li> </ul>
7.2. Conditions for safe storage, inclu	iding any incompatibilities
Technical measures Storage conditions Packaging materials	<ul> <li>Keep in a cool, well-ventilated place away from heat.</li> <li>Store locked up.</li> <li>Store always product in container of same material as original container.</li> </ul>

#### 7.3. Specific end use(s)

No additional information available

# SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

### 8.1.1 National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Wear recommended personal protective equipment.

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



#### 8.2.2.1. Eye and face protection

Eye protection: Safety glasses

#### 8.2.2.2. Skin protection

Skin and body protection: Wear suitable protective clothing

Hand protection: Protective gloves

#### 8.2.2.3. Respiratory protection

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

#### 8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Yellow to amber yellow.
Odour	: Not available
Odour threshold	: Not available
Melting point	: <-20 °C
Freezing point	: Not available
Boiling point	: ≈ 205.26 °C Atm. press.: 1011,9 mBar
Flammability	: Non flammable.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: ≈ 98 °C Atm. press.: 101325 Pa
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
рН	: Not available
Viscosity, kinematic	: Not available
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: 0.9638 g/cm <sup>3</sup> Type: 'density' Temp.: 20 °C
Relative density	: 0.9638 Type: 'relative density' Temp.: 20 °C
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

### 9.2. Other information

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

No additional information available

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#### 9.2.2. Other safety characteristics

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.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

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

10.5. Incompatible materials

No additional information available

**10.6. Hazardous decomposition products** 

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

## **SECTION 11: Toxicological information**

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008		
Acute toxicity (oral):Acute toxicity (dermal):Acute toxicity (inhalation):	Not classified Not classified Not classified	
Geranyl acetate (105-87-3)		
LD50 oral rat	6330 mg/kg bodyweight Animal: rat, 95% CL: 5450 - 7340	
LD50 dermal rabbit	> 2000 mg/kg	
Linalool (78-70-6)		
LD50 oral rat	2790 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Remarks on results: other:, 95% CL: 2440 - 3180	
LD50 dermal rabbit	5610 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), 95% CL: 3578 - 8374	
p-Cymene (99-87-6)		
LD50 dermal rabbit	> 5000 mg/kg bodyweight Animal: rabbit, Guideline: other:	
Pinene alpha (80-56-8)		
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))	
Skin corrosion/irritation :	Not classified	
Serious eye damage/irritation :	Not classified	
Respiratory or skin sensitisation :	May cause an allergic skin reaction.	
Germ cell mutagenicity :	Not classified	
Carcinogenicity :	Not classified	
Reproductive toxicity :	Not classified	
STOT-single exposure :	Not classified	

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STOT-repeated exposure :	Not classified
Geranyl acetate (105-87-3)	
NOAEL (oral, rat, 90 days)	2000 mg/kg bodyweight Animal: rat, Guideline: other:
Linalool (78-70-6)	
NOAEL (dermal, rat/rabbit, 90 days)	250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
Aspiration hazard :	May be fatal if swallowed and enters airways.
Linalool (78-70-6)	
Viscosity, kinematic	5191.86 mm²/s
I-limonene (5989-54-8)	
Viscosity, kinematic	1.011 mm²/s
11.2. Information on other hazards	

No additional information available

## **SECTION 12: Ecological information**

12.1. Toxicity		
Hazardous to the aquatic environment, short-term : (acute)	Harmful to aquatic life with long lasting effects. Not classified Harmful to aquatic life with long lasting effects.	
Geranyl acetate (105-87-3)		
LC50 - Fish [1]	68.12 mg/l Test organisms (species): Leuciscus idus	
EC50 - Crustacea [1]	14.1 mg/l Test organisms (species): Daphnia magna	
EC50 72h - Algae [1]	3.72 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)	
ErC50 algae	3.72 mg/l Species: Desmodesmus subspicatus 72 h	
Linalool (78-70-6)		
LC50 - Fish [1]	27.8 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)	
EC50 - Crustacea [1]	59 mg/l Test organisms (species): Daphnia magna	
EC50 96h - Algae [1]	88.3 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)	
EC50 96h - Algae [2]	156.7 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)	
I-limonene (5989-54-8)		
EC50 - Crustacea [1]	0.36 mg/l Test organisms (species): Daphnia magna	
EC50 - Other aquatic organisms [1]	0.36 mg/l Test organisms (species):	
EC50 72h - Algae [1]	≈ 8 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)	
EC50 72h - Algae [2]	≈ 8 mg/l Test organisms (species):	
EC50 96h - Algae [1]	0.904 mg/l Test organisms (species): other:	

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p-Cymene (99-87-6)	
LC50 - Fish [1]	48 mg/l Test organisms (species): Cyprinodon variegatus
EC50 - Crustacea [1]	3.7 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	4.03 mg/l Test organisms (species): Scenedesmus capricornutum
EC50 72h - Algae [2]	2.01 mg/l Test organisms (species): Scenedesmus capricornutum
Pinene alpha (80-56-8)	
LC50 - Fish [1]	0.303 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	0.475 mg/l Test organisms (species): Daphnia magna
12.2. Persistence and degradability	
EO Davana (91844-86-9)	
Persistence and degradability	Not rapidly degradable
Geranyl acetate (105-87-3)	
Persistence and degradability	Not rapidly degradable
Linalool (78-70-6)	
Persistence and degradability	Not rapidly degradable
I-limonene (5989-54-8)	
Persistence and degradability	Not rapidly degradable
p-Cymene (99-87-6)	
Persistence and degradability	Not rapidly degradable
Pinene alpha (80-56-8)	
Persistence and degradability	Not rapidly degradable
12.3. Bioaccumulative potential	
Linalool (78-70-6)	
Partition coefficient n-octanol/water (Log Pow)	≥ 2.84
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	

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>

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Sewage disposal recommendations	:
Product/Packaging disposal recommendations	:
Additional information	:

Disposal must be done according to official regulations.

Disposal must be done according to official regulations.

Do not re-use empty containers.

## **SECTION 14: Transport information**

ADR	IMDG	ΙΑΤΑ	ADN	RID	
14.1. UN number or ID n	umber				
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 c	14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.4. Packing group					
Not regulated	Not regulated         Not regulated         Not regulated         Not regulated				
14.5. Environmental hazards					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
No supplementary informatio	n available				
14.6. Special precautions	s 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

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### **SECTION 15: Regulatory information**

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

#### 15.1.1. EU-Regulations

### **REACH Annex XVII (Restriction List)**

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(a)	I-limonene ; p-Cymene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	EO Davana ; Geranyl acetate ; Linalool ; I- limonene ; p-Cymene ; Pinene alpha	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	EO Davana ; Geranyl acetate ; I-limonene ; p- Cymene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1
40.	I-limonene ; p-Cymene	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

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

Not listed on REACH Annex XIV (Authorisation List)

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

Not listed on the REACH Candidate List

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

Not listed on the PIC list (Regulation EU 649/2012)

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

Not listed on the POP list (Regulation EU 2019/1021)

#### Ozone Regulation (1005/2009)

Not listed on the Ozone Depletion list (Regulation EU 1005/2009)

#### 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)

#### 15.1.2. National regulations

#### Netherlands

SZW-lijst van kankerverwekkende stoffen	:	EO Davana is listed
SZW-lijst van mutagene stoffen	:	EO Davana is listed
SZW-lijst van reprotoxische stoffen – Borstvoeding	:	The substance is not listed
SZW-lijst van reprotoxische stoffen –	:	The substance is not listed
Vruchtbaarheid		
SZW-lijst van reprotoxische stoffen – Ontwikkeling	:	The substance is not listed

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# 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

# SECTION 16: Other information

ADNEuropean Agreement concerning the International Carriage of Dangerous Goods by Inland WaterwaysADREuropean Agreement concerning the International Carriage of Dangerous Goods by RoadATEActus Toxicity EstimateBCFBioconcentration factorBU/Bioconcentration factorBU/Biochemical oxygen demand (BOD)CODChemical oxygen demand (COD)DMELDerived-Minimal Effect IevelDMELDerived-Minimal Effect IevelBCNEuropean Community numberECS0Median effective concentrationECS0International Agency for Research on CancerINTInternational Air Transport AssociationInternational Air Transport AssociationInternational Air Transport AssociationIDS1Lowest Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect ConcentrationNOAECNo-Observed Adverse Effect ConcentrationNOAECNo-Observed Adverse Effect LevelNOAECOccupational Effect ConcentrationNOAECOccupational Effect ConcentrationNOAECOccupational Effect ConcentrationNOAECOccupational Effect ConcentrationNOAECOccupational Effect ConcentrationNOAECPerioted Noise Effect ConcentrationNOAECSeage Instantion for ConcentrationNOAECNo-Observed Effect ConcentrationNOECSeage Instantion for ConcentrationNOECPerioted Noise Effect LevelNOEPerioted Noise Effect LevelNOESeage Instantion for Concentration <th colspan="3">Abbreviations and acronyms:</th>	Abbreviations and acronyms:		
ATEAcute Toxicity EstimateBCFBioconcentration factorBLVBioconcentration factorBLVBioconcentration factorBLVBiochemical oxygen demand (BOD)CODChemical oxygen demand (COD)DMELDerived Minniel Effect levelDNELDerived Minniel Effect levelECANOEuropean Community numberECS0Median effective concentrationENTEuropean StandardInternational Agency for Research on CancerIATAInternational Arransport AssociationIMDGInternational Arransport AssociationIMDGMedian lethal concentrationLOS0Median lethal concentrationIDS0Median lethal concentrationIDS0Median lethal concentrationIDS0Median lethal concentrationIDS1International Marransport AssociationIDS2No-Observed Adverse Effect LevelNOAELNo-Observed Adverse Effect LevelNOAELNo-Observed Adverse Effect LevelNOAELNo-Observed Adverse Effect LevelNOAELNo-Observed Idverse Effect LevelNOAELNo-Diserved Idverse Effect LevelNOAELRediad No-Effect ConcentrationStatent Biacournalistre ToxicSaley Data SheetStatent Biacournalistre To	ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
BCFBioconcentration factorBLVBiological limit valueBCDBiochemical oxygen demand (ROD)CODChemical oxygen demand (COD)DMELDerived Mina Effect levelDNELDerived-No Effect LevelCCNoDerived-No Effect LevelEC-NoEcopean Community numberECS0Midan effective concentrationINRCInternational Agency for Research on CancerINRCInternational Agency for Research on CancerINRGInternational Arit Transport AssociationINRGMedian effective concentrationLCS0Median effective ConcentrationINRGMedian effective ConcentrationINRGMedian effective ConcentrationINRGMedian effective ConcentrationINSGMedian effective ConcentrationINAELNo-Observed Adverse Effect ConcentrationINAELNo-Observed Effect LevelNOAELOcupational Exposure LimitPRCPeristent Bioaccumulative ToxicPRCPeristent Bioaccumulative ToxicINFSequelations concerning the International Carriage of Dangerous Goods by RailSISSefer Sensent LimitRIDMedian effect ConcentrationRIDSequelations concerning the International Carriage of Dangerous Goods by RailSISSefer Sensent LimitNOELSevere Effect ConcentrationRIDMedian ConcentrationRIDMedian effect ConcentrationRIDSevere International Carriage of Dangerous Goods by RailSISS	ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
BLV         Biological limit value           BDD         Biochemical oxygen demand (BDD)           COD         Chemical oxygen demand (CDD)           DMEL         Derived Minimal Effect level           DNEL         Derived Monimal Effect level           CANO         Europaan Community number           ECS0         Buelan effective occentration           ECS0         Median effective occentration           EX         Europaan Standard           INT         Bueropaan Standard           INT         Europaan Standard           INT         Bueropaan Standard           INT         Europaan Standard           INT         Bueropaan Standard           INT         Europaan Standard           INT         International Agency for Research on Cancer           INTA         International Agency for Research on Cancer           INDG         Median International Cancentration           INAE         No-Observed Adverse Effect Level           NOEC	ATE	Acute Toxicity Estimate	
BODBiochemical oxygen demand (BOD)CODChemical oxygen demand (COD)DNELDerived Minimal Effect levelDNELDerived-No Effect LevelEC-No.European Community numberECS0Median effective concentrationENEuropean StandardIARCInternational Agency for Research on CancerIATAInternational Ader Stance StanceIASOMedian lethal doseIASONo-Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect LevelNOAELOccupational Effect ConcentrationOECDOccupational Effect ConcentrationOELOccupational Effect ConcentrationPNECRegulations concerning the International Carriage of Dangerous Goods by RailSISSafey Data SheetSTPS	BCF	Bioconcentration factor	
CODChemical oxygen demand (COD)DMELDerived Minimal Effect levelDNELDerived-No Effect LevelEC-No.European Community numberEC50Median effective concentrationENEuropean StandardIARCInternational Agency for Research on CancerIATAInternational Maritime Dangerous GoodsLG50Median lethal concentrationIDS0Median lethal concentrationLOAELLowest Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect ConcentrationNOAELNo-Observed Adverse Effect LevelNOAELOcupational Exposure LimitPETPersistent Bioaccumulative ToxicPHECPredicted No-Effect ConcentrationRDSafety Data SheetSTPSavage treatment plantThODTheoreticul oxygen demand (ThOD)TLMMedian Tolerance LimitVOCVolatie Organic Service numberNO.S.No Otherwis Service numberNo.S.No Otherwis Service number	BLV	Biological limit value	
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VOC     Volatile Organic Compounds       CAS-No.     Chemical Abstract Service number       N.O.S.     Not Otherwise Specified       vPvB     Very Persistent and Very Bioaccumulative	ThOD	Theoretical oxygen demand (ThOD)	
CAS-No.     Chemical Abstract Service number       N.O.S.     Not Otherwise Specified       vPvB     Very Persistent and Very Bioaccumulative	TLM	Median Tolerance Limit	
N.O.S.     Not Otherwise Specified       vPvB     Very Persistent and Very Bioaccumulative	VOC	Volatile Organic Compounds	
vPvB Very Persistent and Very Bioaccumulative	CAS-No.	Chemical Abstract Service number	
	N.O.S.	Not Otherwise Specified	
ED Endocrine disrupting properties	vPvB	Very Persistent and Very Bioaccumulative	
	ED	Endocrine disrupting properties	

# Safety Data Sheet

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

Full text of H- and EUH-statements:		
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1	
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1	
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3	
Asp. Tox. 1	Aspiration hazard, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Liq. 3	Flammable liquids, Category 3	
H226	Flammable liquid and vapour.	
H302	Harmful if swallowed.	
H304	May be fatal if swallowed and enters airways.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H319	Causes serious eye irritation.	
H331	Toxic if inhaled.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
H411	Toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1	Skin sensitisation, Category 1	
Skin Sens. 1B	Skin sensitisation, category 1B	

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.