

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 3/27/2024 Version: 1.0

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

# **1.1. Product identifier**

Product form	:	Substance
Substance name	:	Palisandin (Sym)
IUPAC name	:	Methoxycyclododecane
EC-No.	:	221-053-8
CAS-No.	:	2986-54-1
REACH registration No.	:	01-2120137949-40
Product code	:	23155
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 use
 Fragrance 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**

Classification according to Regulation (EC) No. 1272/2008	[CLP]
Skin corrosion/irritation, Category 2	H315
Skin sensitisation, category 1B	H317
Hazardous to the aquatic environment – Acute Hazard,	H400
Category 1	
Hazardous to the aquatic environment – Chronic Hazard,	H410
Category 1	
Full text of H- and EUH-statements: see section 16	

#### Adverse physicochemical, human health and environmental effects

Causes skin irritation. May cause an allergic skin reaction. Very toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

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

Hazard pictograms (CLP)



# Safety Data Sheet

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

Hazard statements (CLP)	: H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H410 - Very toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	<ul> <li>P264 - Wash hands thoroughly after handling.</li> <li>P273 - Avoid release to the environment.</li> <li>P280 - Wear protective gloves.</li> <li>P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.</li> <li>P362+P364 - Take off contaminated clothing and wash it before reuse.</li> <li>P391 - Collect spillage.</li> <li>P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.</li> </ul>

## 2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients
---

### 3.1. Substances

Substance type

: Mono-constituent

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Palisandin (Sym)	CAS-No.: 2986-54-1 EC-No.: 221-053-8 REACH-no: 01-2120137949- 40	98 – 100	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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

## 3.2. Mixtures

Not applicable

#### **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 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 : Call a poison center or a doctor if you feel unwell. 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. : : None under normal conditions. Symptoms/effects after eye contact : None under normal conditions. Symptoms/effects after ingestion

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

Treat symptomatically.

# Safety Data Sheet

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

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

SECTION 6: Accidental release measures		
6.1. Personal precautions, prote	ctive equipment 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		
Protective equipment Emergency procedures	<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 Emergency procedures	<ul> <li>Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".</li> <li>Evacuate unnecessary personnel. Stop leak if safe to do so.</li> </ul>	
6.2. Environmental precautions		
Avoid release to the environment.		
6.3. Methods and material for co	ntainment 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	
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. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray.</li> </ul>
Hygiene measures	: 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.

# Safety Data Sheet

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

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

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

#### 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. 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

# Safety Data Sheet

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

# 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	: Not available
Odour	: Not available
Odour threshold	: Not available
Melting point	: 8.7 °C Atm. press.: 1013 hPa
Freezing point	: Not available
Boiling point	: 268 – 270 °C Atm. press.: 1013 hPa
Flammability	: Non flammable.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: 118 °C Atm. press.: 1008 hPa
Auto-ignition temperature	: 225 °C
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not available
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Partition coefficient n-octanol/water (Log Pow)	: 5.061
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: 0.91 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

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

# Safety Data Sheet

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

# 10.6. Hazardous decomposition products

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

SECTION 11: Toxicological inforn	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)	<ul> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> </ul>
Palisandin (Sym) (2986-54-1)	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure)
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	: Causes skin irritation.
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
Palisandin (Sym) (2986-54-1)	
NOAEL (acute, oral, animal/female)	≤ mg/kg bodyweight
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

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 (acute) Hazardous to the aquatic environment, long–term (chronic)	<ul> <li>Very toxic to aquatic life with long lasting effects.</li> <li>Very toxic to aquatic life.</li> <li>Very toxic to aquatic life with long lasting effects.</li> </ul>
Palisandin (Sym) (2986-54-1)	
EC50 - Crustacea [1]	0.61 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	2.47 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	1.31 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
NOEC chronic algae	0.661 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
12.2. Persistence and degradability	

12.2. Persistence and degradability	
Palisandin (Sym) (2986-54-1)	
Persistence and degradability	Not rapidly degradable

# Safety Data Sheet

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

12.3. Bioaccumulative potential	
Palisandin (Sym) (2986-54-1)	
Partition coefficient n-octanol/water (Log Pow)	5.061
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	5
13.1. Waste treatment methods	
Regional waste regulation Waste treatment methods Sewage disposal recommendations Product/Packaging disposal recommendations Additional information	<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> <li>Disposal must be done according to official regulations.</li> <li>Disposal must be done according to official regulations.</li> <li>Do not re-use empty containers.</li> </ul>

# **SECTION 14: Transport information**

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number or ID n	umber			
UN 3082	UN 3082	UN 3082	UN 3082	UN 3082
14.2. UN proper shippin	g name	1		
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Palisandin (Sym))	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Palisandin (Sym))	Environmentally hazardous substance, liquid, n.o.s. (Palisandin (Sym))	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Palisandin (Sym))	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Palisandin (Sym))
Transport document descr	iption	1		
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Palisandin (Sym)), 9, III, (-)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Palisandin (Sym)), 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Palisandin (Sym)), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Palisandin (Sym)), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Palisandin (Sym)) 9, III
14.3. Transport hazard o	lass(es)	-		
9	9	9	9	9
(27/2024 (Issue date)		FIL- en		7/

# Safety Data Sheet

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

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.4. Packing group			·	<u> </u>
Ш	III	III	III	Ш
14.5. Environmental haz	zards			
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes

## 14.6. Special precautions for user

### **Overland transport**

Overland transport	
Classification code (ADR)	: M6
Special provisions (ADR)	: 274, 335, 375, 601
Limited quantities (ADR)	: 51
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)	
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	
Orange plates	90
	3082
	5002
Tunnel restriction code (ADR)	
	: -
	: -
· · · /	: -
Transport by sea	
Transport by sea Special provisions (IMDG)	: 274, 335, 969
Transport by sea Special provisions (IMDG) Limited quantities (IMDG)	: 274, 335, 969 : 5 L
Transport by sea Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG)	: 274, 335, 969 : 5 L : E1
Transport by sea Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG)	: 274, 335, 969 : 5 L : E1 : LP01, P001
Transport by sea Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) Special packing provisions (IMDG)	: 274, 335, 969 : 5 L : E1 : LP01, P001 : PP1
Transport by sea Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) Special packing provisions (IMDG) IBC packing instructions (IMDG)	: 274, 335, 969 : 5 L : E1 : LP01, P001 : PP1 : IBC03
Transport by sea Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) Special packing provisions (IMDG) IBC packing instructions (IMDG) Tank instructions (IMDG)	: 274, 335, 969 : 5 L : E1 : LP01, P001 : PP1 : IBC03 : T4
Transport by sea Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) Special packing provisions (IMDG) IBC packing instructions (IMDG) Tank instructions (IMDG) Tank special provisions (IMDG)	<ul> <li>274, 335, 969</li> <li>5 L</li> <li>E1</li> <li>LP01, P001</li> <li>PP1</li> <li>IBC03</li> <li>T4</li> <li>TP1, TP29</li> </ul>
Transport by sea Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) Special packing provisions (IMDG) IBC packing instructions (IMDG) Tank instructions (IMDG) Tank special provisions (IMDG) EmS-No. (Fire)	: 274, 335, 969 : 5 L : E1 : LP01, P001 : PP1 : IBC03 : T4
Transport by sea Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) Special packing provisions (IMDG) IBC packing instructions (IMDG) Tank instructions (IMDG) Tank special provisions (IMDG)	<ul> <li>274, 335, 969</li> <li>5 L</li> <li>E1</li> <li>LP01, P001</li> <li>PP1</li> <li>IBC03</li> <li>T4</li> <li>TP1, TP29</li> </ul>
Transport by sea Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) Special packing provisions (IMDG) IBC packing instructions (IMDG) Tank instructions (IMDG) Tank special provisions (IMDG) EmS-No. (Fire)	<ul> <li>274, 335, 969</li> <li>5 L</li> <li>E1</li> <li>LP01, P001</li> <li>PP1</li> <li>IBC03</li> <li>T4</li> <li>TP1, TP29</li> <li>F-A</li> </ul>
Transport by sea Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) Special packing provisions (IMDG) IBC packing instructions (IMDG) Tank instructions (IMDG) Tank special provisions (IMDG) EmS-No. (Fire) EmS-No. (Spillage)	<ul> <li>274, 335, 969</li> <li>5 L</li> <li>E1</li> <li>LP01, P001</li> <li>PP1</li> <li>IBC03</li> <li>T4</li> <li>TP1, TP29</li> <li>F-A</li> <li>S-F</li> </ul>
Transport by sea Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) Special packing provisions (IMDG) IBC packing instructions (IMDG) IBC packing instructions (IMDG) Tank instructions (IMDG) Tank special provisions (IMDG) EmS-No. (Fire) EmS-No. (Spillage) Stowage category (IMDG)	<ul> <li>274, 335, 969</li> <li>5 L</li> <li>E1</li> <li>LP01, P001</li> <li>PP1</li> <li>IBC03</li> <li>T4</li> <li>TP1, TP29</li> <li>F-A</li> <li>S-F</li> </ul>
Transport by sea Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) Special packing provisions (IMDG) IBC packing instructions (IMDG) IBC packing instructions (IMDG) Tank instructions (IMDG) Tank special provisions (IMDG) EmS-No. (Fire) EmS-No. (Spillage) Stowage category (IMDG)	<ul> <li>274, 335, 969</li> <li>5 L</li> <li>E1</li> <li>LP01, P001</li> <li>PP1</li> <li>IBC03</li> <li>T4</li> <li>TP1, TP29</li> <li>F-A</li> <li>S-F</li> </ul>
Transport by sea Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) Special packing provisions (IMDG) IBC packing instructions (IMDG) IBC packing instructions (IMDG) Tank instructions (IMDG) Tank special provisions (IMDG) EmS-No. (Fire) EmS-No. (Spillage) Stowage category (IMDG) Air transport PCA Excepted quantities (IATA)	: 274, 335, 969 : 5 L : E1 : LP01, P001 : PP1 : IBC03 : T4 : TP1, TP29 : F-A : S-F : A : E1
Transport by sea Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) Special packing provisions (IMDG) IBC packing instructions (IMDG) IBC packing instructions (IMDG) Tank instructions (IMDG) Tank special provisions (IMDG) EmS-No. (Fire) EmS-No. (Spillage) Stowage category (IMDG) Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA)	<ul> <li>274, 335, 969</li> <li>5 L</li> <li>E1</li> <li>LP01, P001</li> <li>PP1</li> <li>IBC03</li> <li>T4</li> <li>TP1, TP29</li> <li>F-A</li> <li>S-F</li> <li>A</li> </ul> E1 <ul> <li>Y964</li> </ul>
Transport by sea Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) Special packing provisions (IMDG) IBC packing instructions (IMDG) IBC packing instructions (IMDG) Tank instructions (IMDG) Tank special provisions (IMDG) EmS-No. (Fire) EmS-No. (Spillage) Stowage category (IMDG) Air transport PCA Excepted quantities (IATA) PCA Limited quantity max net quantity (IATA)	<ul> <li>274, 335, 969</li> <li>5 L</li> <li>E1</li> <li>LP01, P001</li> <li>PP1</li> <li>IBC03</li> <li>T4</li> <li>TP1, TP29</li> <li>F-A</li> <li>S-F</li> <li>A</li> </ul> E1 <ul> <li>Y964</li> <li>30kgG</li> </ul>
Transport by sea Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) Special packing provisions (IMDG) IBC packing instructions (IMDG) IBC packing instructions (IMDG) Tank instructions (IMDG) Tank special provisions (IMDG) EmS-No. (Fire) EmS-No. (Spillage) Stowage category (IMDG) Air transport PCA Excepted quantities (IATA) PCA Limited quantity max net quantity (IATA) PCA packing instructions (IATA)	<ul> <li>274, 335, 969</li> <li>5 L</li> <li>E1</li> <li>LP01, P001</li> <li>PP1</li> <li>IBC03</li> <li>T4</li> <li>TP1, TP29</li> <li>F-A</li> <li>S-F</li> <li>A</li> </ul> E1 <ul> <li>Y964</li> <li>30kgG</li> <li>964</li> </ul>
Transport by sea Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) Special packing provisions (IMDG) IBC packing instructions (IMDG) IBC packing instructions (IMDG) Tank instructions (IMDG) Tank special provisions (IMDG) EmS-No. (Fire) EmS-No. (Spillage) Stowage category (IMDG) Air transport PCA Excepted quantities (IATA) PCA Limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA)	<ul> <li>274, 335, 969</li> <li>5 L</li> <li>E1</li> <li>LP01, P001</li> <li>PP1</li> <li>IBC03</li> <li>T4</li> <li>TP1, TP29</li> <li>F-A</li> <li>S-F</li> <li>A</li> </ul> E1 <ul> <li>Y964</li> <li>30kgG</li> <li>964</li> <li>450L</li> </ul>
Transport by sea Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) Special packing provisions (IMDG) IBC packing instructions (IMDG) IBC packing instructions (IMDG) Tank instructions (IMDG) Tank special provisions (IMDG) EmS-No. (Fire) EmS-No. (Spillage) Stowage category (IMDG) Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA)	<ul> <li>274, 335, 969</li> <li>5 L</li> <li>E1</li> <li>LP01, P001</li> <li>PP1</li> <li>IBC03</li> <li>T4</li> <li>TP1, TP29</li> <li>F-A</li> <li>S-F</li> <li>A</li> </ul> E1 <ul> <li>Y964</li> <li>30kgG</li> <li>964</li> <li>450L</li> <li>964</li> </ul>
Transport by seaSpecial provisions (IMDG)Limited quantities (IMDG)Excepted quantities (IMDG)Packing instructions (IMDG)Packing instructions (IMDG)Special packing provisions (IMDG)IBC packing instructions (IMDG)Tank instructions (IMDG)Tank special provisions (IMDG)Tank special provisions (IMDG)EmS-No. (Fire)EmS-No. (Spillage)Stowage category (IMDG)Air transportPCA Excepted quantities (IATA)PCA limited quantity max net quantity (IATA)PCA max net quantity (IATA)PCA max net quantity (IATA)CAO packing instructions (IATA)CAO max net quantity (IATA)	<ul> <li>274, 335, 969</li> <li>5 L</li> <li>E1</li> <li>LP01, P001</li> <li>PP1</li> <li>IBC03</li> <li>T4</li> <li>TP1, TP29</li> <li>F-A</li> <li>S-F</li> <li>A</li> </ul> E1 <ul> <li>Y964</li> <li>30kgG</li> <li>964</li> <li>450L</li> <li>964</li> <li>450L</li> </ul>
Transport by seaSpecial provisions (IMDG)Limited quantities (IMDG)Excepted quantities (IMDG)Packing instructions (IMDG)Special packing provisions (IMDG)IBC packing instructions (IMDG)IBC packing instructions (IMDG)Tank instructions (IMDG)Tank special provisions (IMDG)Tank special provisions (IMDG)EmS-No. (Fire)EmS-No. (Spillage)Stowage category (IMDG)Air transportPCA Excepted quantities (IATA)PCA limited quantity max net quantity (IATA)PCA max net quantity (IATA)PCA max net quantity (IATA)CAO packing instructions (IATA)CAO max net quantity (IATA)Special provisions (IATA)Special provisions (IATA)	<ul> <li>274, 335, 969</li> <li>5 L</li> <li>E1</li> <li>LP01, P001</li> <li>PP1</li> <li>IBC03</li> <li>T4</li> <li>TP1, TP29</li> <li>F-A</li> <li>S-F</li> <li>A</li> </ul> E1 <ul> <li>Y964</li> <li>30kgG</li> <li>964</li> <li>450L</li> <li>964</li> <li>450L</li> <li>964</li> <li>450L</li> <li>964</li> <li>450L</li> <li>A97, A158, A197, A215</li> </ul>
Transport by seaSpecial provisions (IMDG)Limited quantities (IMDG)Excepted quantities (IMDG)Packing instructions (IMDG)Packing instructions (IMDG)Special packing provisions (IMDG)IBC packing instructions (IMDG)Tank instructions (IMDG)Tank special provisions (IMDG)Tank special provisions (IMDG)EmS-No. (Fire)EmS-No. (Spillage)Stowage category (IMDG)Air transportPCA Excepted quantities (IATA)PCA limited quantity max net quantity (IATA)PCA max net quantity (IATA)PCA max net quantity (IATA)CAO packing instructions (IATA)CAO max net quantity (IATA)	<ul> <li>274, 335, 969</li> <li>5 L</li> <li>E1</li> <li>LP01, P001</li> <li>PP1</li> <li>IBC03</li> <li>T4</li> <li>TP1, TP29</li> <li>F-A</li> <li>S-F</li> <li>A</li> </ul> E1 <ul> <li>Y964</li> <li>30kgG</li> <li>964</li> <li>450L</li> <li>964</li> <li>450L</li> </ul>

# Safety Data Sheet

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

Inland v	waterway	transpor	t.

mana waterway transport		
Classification code (ADN)	: M6	
Special provisions (ADN)	: 274, 335, 375, 601	
Limited quantities (ADN)	: 5 L	
Excepted quantities (ADN)	: E1	
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, R00	1
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)		
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

### 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(b)	Palisandin (Sym)	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)	Palisandin (Sym)	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

### **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)

# Safety Data Sheet

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

## Ozone Regulation (1005/2009)

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

## Dual-Use Regulation (428/2009)

Not listed on 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	: The substance is not listed
SZW-lijst van mutagene stoffen	: The substance is not 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

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	
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	

# Safety Data Sheet

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

Abbreviations and acronyms:	
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	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 disrupting properties

Full text of H- and EUH-statements:	
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
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.