

## SAFETY DATA SHEET

## C-Clean Eco

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

## 1.1. Product identifier

## Trade name

C-Clean Eco

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

## ▼ Relevant identified uses of the substance or mixture

No special.

## ▼ Uses advised against

No special.

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

## Company and address

**Vecom Marine B.V.**

Mozartlaan 3

3144 NA Maassluis

The Netherlands

+31 (0) 10-5930210

-

<https://vecom-marine.com>

## Contact person

Vecom Marine B.V.

## E-mail

[sales@vecom-marine.com](mailto:sales@vecom-marine.com)

## Revision

8/31/2022

## SDS Version

3.0

## Date of previous version

4/11/2022 (2.0)

## 1.4. Emergency telephone number

National Poisons Information Centre (NVIC): +31 (0)88-755-8000 (24 hour service)

Only intended to inform professional emergency services in case of acute poisoning.

See section 4 on first aid measures.

## SECTION 2: Hazards identification

## 2.1. Classification of the substance or mixture

Asp. Tox. 1; H304, May be fatal if swallowed and enters airways.

Skin Irrit. 2; H315, Causes skin irritation.

Eye Dam. 1; H318, Causes serious eye damage.

Aquatic Chronic 3; H412, Harmful to aquatic life with long lasting effects.

## 2.2. Label elements

## Hazard pictogram(s)



## Signal word

Danger

#### Hazard statement(s)

- May be fatal if swallowed and enters airways. (H304)
- Causes skin irritation. (H315)
- Causes serious eye damage. (H318)
- Harmful to aquatic life with long lasting effects. (H412)

#### Safety statement(s)

##### General

-

##### ▼ Prevention

- Wear face protection/protective gloves/protective clothing. (P280)
- Wash hands and exposed skin thoroughly after handling. (P264)
- Avoid release to the environment. (P273)

##### Response

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)
- Immediately call a POISON CENTER/doctor. (P310)

##### Storage

-

##### Disposal

- Dispose of contents/container to an approved waste disposal plant. (P501)

##### ▼ Hazardous substances

- Hydrocarbons, C10-C13, n-alkanes, isoalkanes, naphtalene <2% aromatics
- Hydrocarbons, C10, aromatics, >1% naphtalene
- Isotridecanol, ethoxylated (Imbentin T080/90)
- Alcohols, C12-14, ethoxylated (Imbentin-AG/124S/070)

##### ▼ Additional labelling

- Not applicable.

#### 2.3. Other hazards

##### Additional warnings

- This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

### SECTION 3: Composition/information on ingredients

#### ▼ 3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
(2-methoxymethylethoxy)propanol (Dowanol DPM)	CAS No.: 34590-94-8 EC No.: 252-104-2 REACH: 01-2119450011-60-XXXX Index No.:	15-25%		[1]
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, naphtalene <2% aromatics	CAS No.: EC No.: 918-481-9 REACH: 01-2119457273-39 Index No.:	10-15%	EUH066 Asp. Tox. 1, H304	
Hydrocarbons, C10, aromatics, >1% naphtalene	CAS No.: EC No.: 919-284-0	10-15%	EUH066 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411	

	REACH: 01-2119463588-24			
	Index No.:			
Isotridecanol, ethoxylated (Imbentin T080/90)	CAS No.: 9043-30-5 EC No.: 500-027-2 REACH: Index No.:	10-15%	Acute Tox. 4, H302 Eye Dam. 1, H318	
benzyl alcohol	CAS No.: 100-51-6 EC No.: 202-859-9 REACH: 01-2119492630-38 Index No.: 603-057-00-5	5-10%	Acute Tox. 4, H302 Eye Irrit. 2, H319 Acute Tox. 4, H332	[9]
Alcohols, C12-14, ethoxylated (Imbentin-AG/124S/070)	CAS No.: 68439-50-9 EC No.: 500-213-3 REACH: 01-2119487984-16-XXXX Index No.:	3-5%	Acute Tox. 4, H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412	
2-aminoethanol;ethanolamine	CAS No.: 141-43-5 EC No.: 205-483-3 REACH: 01-2119486455-28-XXXX Index No.: 603-030-00-8	1-3%	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Acute Tox. 4, H332 STOT SE 3, H335 (SCL: 5.00 %)	[1]

-----

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### ▼ Other information

[1] European occupational exposure limit.

[9] Identified by EU as one of 26 specific fragrance ingredients, known to cause allergic contact dermatitis (Regulation (EC) No 1223/2009 on cosmetic products)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

#### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

#### Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

#### ▼ Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 30 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

#### Ingestion

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

Do not induce vomiting! If vomiting occurs, keep head facing down so that vomit does not get into the lungs. Call a doctor or ambulance. Symptoms of chemical pneumonia can appear after several hours. People who have swallowed the product should therefore be kept under medical attention for at least 48 hours.

#### ▼ Burns

Not applicable.

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

This product contains substances that can cause chemical pneumonia if swallowed. Symptoms of chemical pneumonia may appear after several hours.

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

IF exposed or concerned:

Get immediate medical advice/attention.

#### Information to medics

Bring this safety data sheet or the label from this product.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

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

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Nitrogen oxides (NO<sub>x</sub>)

Carbon oxides (CO / CO<sub>2</sub>)

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

## SECTION 6: Accidental release measures

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

Avoid direct contact with spilled substances.

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

### ▼ 6.3. Methods and material for containment and cleaning up

Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

### ▼ 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

Avoid direct contact with the product.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

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

Store in tightly closed containers and store protected from moisture and light. Containers should be dated when opened and tested periodically for the presence of peroxides. Do not exceed storage time limits.

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

#### Recommended storage material

Always store in containers of the same material as the original container.

#### Storage temperature

No specific requirements

#### Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

—  
(2-methoxymethylethoxy)propanol (Dowanol DPM)  
Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 300

—  
2-aminoethanol;ethanolamine  
Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 7,6  
Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 2,5  
Annotations:

H = Special risk of dermal absorption.

Annex XIII of the Working Conditions Regulation, List of legal limit values.

#### ▼ DNEL

(2-methoxymethylethoxy)propanol (Dowanol DPM)

Duration	Route of exposure	DNEL
Long term – Systemic effects - General population	Dermal	15 mg/kg lg/dag
Long term – Systemic effects - Workers	Dermal	65 mg/kg lg/dag
Long term – Systemic effects - General population	Inhalation	37.2 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	308 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	1.67 mg/kg lg/dag

2-aminoethanol;ethanolamine

Duration	Route of exposure	DNEL
Long term – Systemic effects - General population	Dermal	0.24 mg/kg
Long term – Systemic effects - Workers	Dermal	1 mg/kg

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Long term – Local effects - General population	Inhalation	2 mg/m <sup>3</sup>
Long term – Local effects - Workers	Inhalation	3.3 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	3.75 mg/kg

#### benzyl alcohol

Duration	Route of exposure	DNEL
Long term – Systemic effects - General population	Dermal	4 mg/kg lg/dag
Long term – Systemic effects - Workers	Dermal	8 mg/kg lg/dag
Short term – Systemic effects - General population	Dermal	20 mg/kg lg/dag
Short term – Systemic effects - Workers	Dermal	40 mg/kg lg/dag
Long term – Systemic effects - General population	Inhalation	5.4 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	22 mg/m <sup>3</sup>
Short term – Systemic effects - General population	Inhalation	27 mg/m <sup>3</sup>
Short term – Systemic effects - Workers	Inhalation	110 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	4 mg/kg lg/dag
Short term – Systemic effects - General population	Oral	20 mg/kg

#### Hydrocarbons, C10, aromatics, >1% naphthalene

Duration	Route of exposure	DNEL
Long term – Systemic effects - General population	Dermal	7.5 mg/kg bw/dag
Long term – Systemic effects - Workers	Dermal	12.5 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	32 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	151 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	7.5 mg/kg bw/dag

#### PNEC

##### (2-methoxymethylethoxy)propanol (Dowanol DPM)

Route of exposure	Duration of Exposure	PNEC
Freshwater		19 mg/l
Freshwater sediment		70.2 mg/kg d.w.
Intermittent release		190 mg/l
Marine water		1.9 mg/l
Marine water sediment		7.02 mg/kg d.w.
Sewage treatment plant		4168 mg/l
Soil		2.74 mg/kg d.w.

##### 2-aminoethanol;ethanolamine

Route of exposure	Duration of Exposure	PNEC
Freshwater		0.085 mg/l

Freshwater sediment		0.434 mg/kg dg
Intermittent release		0.028 mg/l
Marine water		0.0085 mg/l
Marine water sediment		0.0434 mg/kg dg
Sewage treatment plant		100 mg/l
Soil		0.0367 mg/kg dg
benzyl alcohol		
Route of exposure	Duration of Exposure	PNEC
Freshwater		1 mg/l
Freshwater sediment		5.27 mg/kg
Intermittent release		2.3 mg/l
Marine water		0.1 mg/l
Marine water sediment		0.527 mg/kg
Sewage treatment plant		39 mg/l
Soil		0.456 mg/kg

## 8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

### Exposure scenarios

There are no exposure scenarios implemented for this product.

### Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

### Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -showers are clearly marked.

### Hygiene measures

Take off contaminated clothing and wash it before reuse.

### Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.

## Individual protection measures, such as personal protective equipment

### Generally

Use only CE marked protective equipment.

### Respiratory Equipment

Type	Class	Colour	Standards
No special when used as intended.			

### Skin protection

Recommended	Type/Category	Standards
Wear appropriate protection clothing, e.g. coveralls in polypropylene or working clothes in cotton or polyester.	-	-



### Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Nitrile	-	-	EN374-2



### Eye protection

Type	Standards
Face shield alternatively safety glasses with side shields.	EN166



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Physical state

Liquid

#### Colour

Colourless

#### Odour / Odour threshold

Characteristic

#### pH

11

#### Density (g/cm<sup>3</sup>)

0.91 (20 °C)

#### ▼ Kinematic viscosity

Testing not relevant or not possible due to the nature of the product.

#### Particle characteristics

Does not apply to liquids.

#### Phase changes

#### ▼ Melting point/Freezing point (°C)

Testing not relevant or not possible due to the nature of the product.

#### Softening point/range (waxes and pastes) (°C)

Does not apply to liquids.

#### ▼ Boiling point (°C)

Testing not relevant or not possible due to the nature of the product.

#### ▼ Vapour pressure

Testing not relevant or not possible due to the nature of the product.

#### ▼ Relative vapour density

Testing not relevant or not possible due to the nature of the product.

#### ▼ Decomposition temperature (°C)

Testing not relevant or not possible due to the nature of the product.

#### Data on fire and explosion hazards

#### Flash point (°C)

85

#### ▼ Ignition (°C)



Testing not relevant or not possible due to the nature of the product.

▼ Auto flammability (°C)

Testing not relevant or not possible due to the nature of the product.

▼ Lower and upper explosion limit (% v/v)

Testing not relevant or not possible due to the nature of the product.

Solubility

▼ Solubility in water

Testing not relevant or not possible due to the nature of the product.

▼ n-octanol/water coefficient

Testing not relevant or not possible due to the nature of the product.

▼ Solubility in fat (g/L)

Testing not relevant or not possible due to the nature of the product.

9.2. Other information

▼ Other physical and chemical parameters

No data available.

SECTION 10: Stability and reactivity

▼ 10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

▼ 10.3. Possibility of hazardous reactions

No special.

▼ 10.4. Conditions to avoid

No special.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

▼ Acute toxicity

Product/substance	(2-methoxymethylethoxy)propanol (Dowanol DPM)
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	>5000 mg/kg
Other information	

Product/substance	(2-methoxymethylethoxy)propanol (Dowanol DPM)
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	9510 mg/kg
Other information	

Product/substance	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, naphthalene <2% aromatics
Test method	
Species	Rat

Route of exposure Inhalation  
 Test LC50 (4 hours)  
 Result >5000 mg/kg  
 Other information

Product/substance Hydrocarbons, C10-C13, n-alkanes, isoalkanes, naphtalene <2% aromatics  
 Test method  
 Species Rat  
 Route of exposure Oral  
 Test LD50  
 Result >5000 mg/kg  
 Other information

Product/substance Hydrocarbons, C10-C13, n-alkanes, isoalkanes, naphtalene <2% aromatics  
 Test method  
 Species Rabbit  
 Route of exposure Dermal  
 Test LD50  
 Result >5000 mg/kg  
 Other information

Product/substance Hydrocarbons, C10, aromatics, >1% naphtalene  
 Test method  
 Species Rat  
 Route of exposure Inhalation  
 Test LC50 (4 hours)  
 Result 4688 mg/m<sup>3</sup>  
 Other information

Product/substance Hydrocarbons, C10, aromatics, >1% naphtalene  
 Test method  
 Species Rat  
 Route of exposure Oral  
 Test LD50  
 Result >5000 mg/kg  
 Other information

Product/substance Hydrocarbons, C10, aromatics, >1% naphtalene  
 Test method  
 Species Rabbit  
 Route of exposure Dermal  
 Test LD50  
 Result >2000 mg/kg  
 Other information

Product/substance benzyl alcohol  
 Test method  
 Species Rat  
 Route of exposure Inhalation  
 Test LC50 (4 hours)  
 Result >4178 mg/m<sup>3</sup>  
 Other information

---

Product/substance	benzyl alcohol
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	>2000 mg/kg
Other information	

---

Product/substance	benzyl alcohol
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	1360 - 1620 mg/kg
Other information	

---

Product/substance	2-aminoethanol;ethanolamine
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50 (4 hours)
Result	1487 mg/m <sup>3</sup>
Other information	

---

Product/substance	2-aminoethanol;ethanolamine
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	2504 mg/kg
Other information	

---

Product/substance	2-aminoethanol;ethanolamine
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	1089 mg/kg
Other information	

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/irritation**

Causes serious eye damage.

**Respiratory sensitisation**

Based on available data, the classification criteria are not met.

**Skin sensitisation**

Based on available data, the classification criteria are not met.

**Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

**Carcinogenicity**

Based on available data, the classification criteria are not met.

**Reproductive toxicity**

Based on available data, the classification criteria are not met.

#### STOT-single exposure

Based on available data, the classification criteria are not met.

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

May be fatal if swallowed and enters airways.

### 11.2. Information on other hazards

#### Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

#### ▼ Endocrine disrupting properties

No special.

#### ▼ Other information

No special.

## SECTION 12: Ecological information

### ▼ 12.1. Toxicity

Product/substance	(2-methoxymethylethoxy)propanol (Dowanol DPM)
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	10000 mg/L
Other information	

Product/substance	(2-methoxymethylethoxy)propanol (Dowanol DPM)
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	1919 mg/L
Other information	

Product/substance	(2-methoxymethylethoxy)propanol (Dowanol DPM)
Test method	
Species	Algae
Compartment	
Duration	96 hours
Test	EC50
Result	969 mg/L
Other information	

Product/substance	(2-methoxymethylethoxy)propanol (Dowanol DPM)
Test method	
Species	Algae
Compartment	
Duration	96 hours
Test	NOEC

Result >969 mg/L  
Other information

Product/substance (2-methoxymethylethoxy)propanol (Dowanol DPM)  
Test method  
Species Bacteria  
Compartment  
Duration 18 hours  
Test EC10  
Result 4168 mg/L  
Other information

Product/substance (2-methoxymethylethoxy)propanol (Dowanol DPM)  
Test method  
Species Daphnia  
Compartment  
Duration 22 days  
Test NOEC  
Result 0.5 mg/L  
Other information

Product/substance Hydrocarbons, C10-C13, n-alkanes, isoalkanes, naphtalene <2% aromatics  
Test method  
Species Daphnia  
Compartment  
Duration 48 hours  
Test ELO  
Result 1000 mg/L  
Other information

Product/substance Hydrocarbons, C10-C13, n-alkanes, isoalkanes, naphtalene <2% aromatics  
Test method  
Species Fish  
Compartment  
Duration 96 hours  
Test LL0  
Result 1000 mg/L  
Other information

Product/substance Hydrocarbons, C10-C13, n-alkanes, isoalkanes, naphtalene <2% aromatics  
Test method  
Species Algae  
Compartment  
Duration 72 hours  
Test ELO  
Result 1000 mg/L  
Other information

Product/substance Hydrocarbons, C10, aromatics, >1% naphtalene  
Test method  
Species Daphnia  
Compartment  
Duration 48 hours

Test EL50  
 Result  $\geq 3 - \leq 10$  mg/L  
 Other information

Product/substance Hydrocarbons, C10, aromatics, >1% naphtalene  
 Test method  
 Species Fish  
 Compartment  
 Duration 96 hours  
 Test LL50  
 Result  $\geq 2 - \leq 5$  mg/L  
 Other information

Product/substance Hydrocarbons, C10, aromatics, >1% naphtalene  
 Test method  
 Species Algae  
 Compartment  
 Duration 72 hours  
 Test EL50  
 Result  $\geq 1 - \leq 3$  mg/L  
 Other information

Product/substance Hydrocarbons, C10, aromatics, >1% naphtalene  
 Test method  
 Species Algae  
 Compartment  
 Duration 72 hours  
 Test NOELR  
 Result 1 mg/L  
 Other information

Product/substance benzyl alcohol  
 Test method  
 Species Fish  
 Compartment  
 Duration 96 hours  
 Test LC50  
 Result 460 mg/L  
 Other information

Product/substance benzyl alcohol  
 Test method  
 Species Algae  
 Compartment  
 Duration 96 hours  
 Test EC50  
 Result 770 mg/L  
 Other information

Product/substance benzyl alcohol  
 Test method  
 Species Daphnia  
 Compartment

Duration 48 hours  
 Test EC50  
 Result 230 mg/L  
 Other information

Product/substance 2-aminoethanol;ethanolamine  
 Test method  
 Species Fish  
 Compartment  
 Duration 96 hours  
 Test LC50  
 Result 349 mg/L  
 Other information

Product/substance 2-aminoethanol;ethanolamine  
 Test method  
 Species Algae  
 Compartment  
 Duration 72 hours  
 Test EC50  
 Result 2.8 mg/L  
 Other information

Product/substance 2-aminoethanol;ethanolamine  
 Test method  
 Species Daphnia  
 Compartment  
 Duration 48 hours  
 Test EC50  
 Result 65 mg/L  
 Other information

Product/substance 2-aminoethanol;ethanolamine  
 Test method  
 Species Fish  
 Compartment  
 Duration 28 days  
 Test NOEC  
 Result 1.2 mg/L  
 Other information

Product/substance 2-aminoethanol;ethanolamine  
 Test method  
 Species Algae  
 Compartment  
 Duration 72 hours  
 Test NOEC  
 Result 1 mg/L  
 Other information

Product/substance 2-aminoethanol;ethanolamine  
 Test method  
 Species Daphnia

Compartment	
Duration	21 days
Test	NOEC
Result	0.85 mg/L
Other information	

## 12.2. Persistence and degradability

Product/substance	(2-methoxymethylethoxy)propanol (Dowanol DPM)
Biodegradable	Yes
Test method	
Result	

Product/substance	benzyl alcohol
Biodegradable	Yes
Test method	
Result	

Product/substance	2-aminoethanol;ethanolamine
Biodegradable	Yes
Test method	
Result	

## ▼ 12.3. Bioaccumulative potential

Product/substance	(2-methoxymethylethoxy)propanol (Dowanol DPM)
Test method	
Potential bioaccumulation	No data available.
LogPow	0.004
BCF	No data available.
Other information	

## ▼ 12.4. Mobility in soil

No data available.

## 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

## ▼ 12.6. Endocrine disrupting properties

No special.

## 12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

## SECTION 13: Disposal considerations

### ▼ 13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 4 - Irritant (skin irritation and eye damage)

HP 14 - Ecotoxic

Dispose of contents/container to an approved waste disposal plant.

Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

### ▼ EWC code

Not applicable.



▼ Specific labelling

Not applicable.

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

## SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

\* Packing group

\*\* Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

▼ 14.6. Special precautions for user

Not applicable.

▼ 14.7. Maritime transport in bulk according to IMO instruments

No data available.

## SECTION 15: Regulatory information

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

Restrictions for application

Restricted to professional users.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

▼ Demands for specific education

No specific requirements.

▼ SEVESO - Categories / dangerous substances

Not applicable.

▼ Additional information

Not applicable.

▼ Sources

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Working Conditions Act 1998 and latest Working Conditions Decree of 01-01-2021.

Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

### 15.2. Chemical safety assessment

No

## SECTION 16: Other information

▼ Full text of H-phrases as mentioned in section 3

EUH066, Repeated exposure may cause skin dryness or cracking.

H302, Harmful if swallowed.

H304, May be fatal if swallowed and enters airways.

H312, Harmful in contact with skin.

H314, Causes severe skin burns and eye damage.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.  
H332, Harmful if inhaled.  
H335, May cause respiratory irritation.  
H336, May cause drowsiness or dizziness.  
H411, Toxic to aquatic life with long lasting effects.  
H412, Harmful to aquatic life with long lasting effects.

#### ▼ Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway  
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
CAS = Chemical Abstracts Service  
CE = Conformité Européenne  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
CSA = Chemical Safety Assessment  
CSR = Chemical Safety Report  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EINECS = European Inventory of Existing Commercial chemical Substances  
ES = Exposure Scenario  
EUH statement = CLP-specific Hazard statement  
EWC = European Waste Catalogue  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IARC = International Agency for Research on Cancer (IARC)  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SCL = A specific concentration limit  
SVHC = Substances of Very High Concern  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

#### ▼ Additional information

The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP).

The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP).

#### ▼ The safety data sheet is validated by

RPK

#### Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.



According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

---

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: NL-en