

## SAFETY DATA SHEET

# Desintec MelkClean Alkaline

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier**

Trade name	Desintec MelkClean Alkaline
Unique formula identifier (UFI)	U3F1-40MM-600N-4J2P

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

Relevant identified uses of the substance or mixture	Alkaline cleaning agent with chlorine. Restricted to professional users.
Uses advised against	None known.

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

Company and address	<b>Vilofarm A/S</b> Søagervej 9, Sdr. Onsild 9500 Hobro Denmark
E-mail	ordre@vilofarm.dk
Revision	13/03/2024
SDS Version	1.0

**1.4. Emergency telephone number**

Contact the poison hotline: +45 82 12 12 12 (24 hour service)  
See section 4 "First aid measures".

**SECTION 2: HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture**

Met. Corr. 1; H290, May be corrosive to metals.  
Skin Corr. 1A; H314, Causes severe skin burns and eye damage.  
Eye Dam. 1; H318, Causes serious eye damage.  
Aquatic Acute 1; H400, Very toxic to aquatic life.  
Aquatic Chronic 2; H411, Toxic to aquatic life with long lasting effects.  
The informations stated in this MSDS, applies for the concentrated product.

**2.2. Label elements**

Hazard pictogram(s)



Signal word

Danger

Hazard statement(s)

May be corrosive to metals. (H290)  
Causes severe skin burns and eye damage. (H314)  
Very toxic to aquatic life with long lasting effects. (H410)

Precautionary statement(s)

General

-

Prevention

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

Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. (P303+P361+P353)  
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

-

Hazardous substances

Sodium hydroxide  
Sodium hypochlorite

Additional labelling	EUH031, Contact with acids liberates toxic gas. UFI: U3F1-40MM-600N-4J2P
Labelling of contents according to Detergents Regulation (EC) No 648/2004	5% - 15% · Chlorine-based bleaching Agents < 5% · Polycarboxylates

### 2.3. Other hazards

Undiluted, the product may be corrosive to metals.

Do not mix with acid or acid containing products: toxic chlorine gas may be formed.

Additional warnings	This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.
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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Not applicable. This product is a mixture.

### 3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Sodium hydroxide	CAS No.: 1310-73-2 EC No.: 215-185-5 REACH: 01-2119457892-27-xxxx Index No.:	5 - 15 %	Met. Corr. 1, H290 Skin Corr. 1A, H314 Skin Corr. 1B, H314 (SCL: 2.00 %) Skin Irrit. 2, H315 (SCL: 0.50 %) Eye Irrit. 2, H319 (SCL: 0.50 %)	
Sodium hypochlorite	CAS No.: 7681-52-9 EC No.: 231-668-3 REACH: 01-2119488154-34-xxxx Index No.: 017-011-00-1	5 - 15%	EUH031 Met. Corr. 1, H290 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)	

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

### Other information

## 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	Flush exposed area with water for a long time - at least 30 minutes. It may be necessary to flush for several hours. Use a comfortable water temperature (20-30 °C). Contact Poison Information/doctor/hospital for further advice on follow-up and treatment. Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.
Eye contact	If in eyes: Flush eyes with plenty of water or salt water (20-30 °C) for at least 30 minutes and continue until irritation stops. Remove contact lenses. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.
Ingestion	In the case of ingestion, contact a doctor immediately. If the person is conscious, give them water. DO NOT try to induce vomiting unless this is recommended by a

doctor. Hold head facing down to prevent vomit from returning to the mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.

Burns

Not applicable.

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

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

#### **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:

Oxygen, hypochlorous acid, chlorine.

#### **5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the chemical emergency services on 72 85 20 00 (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.

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

#### **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**

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth 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 the product away from direct sunlight in opaque containers. Store in tightly closed containers and store protected from moisture and light. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Must be stored in a cool and well-ventilated area. Store in a container with a resistant inner liner. Keep away from food, drink and animal feeding stuffs. Keep separate from food, feedstuffs, fertilisers and other sensitive material.

Shelf-life: 12 months.

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

Storage temperature -10 - 30 °C

Incompatible materials Strong acids, alkali metals, metal powders, oxidizing materials and amines. Contact with metals can result in decomposition with the formation of oxygen.

### 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

Sodium hydroxide

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 2

Annotations:

L = The limit is a ceiling value that at no time may be exceeded.

Statutory order 202 on exposure limits for substances and mixtures (21/02/2023)

### DNEL

Sodium hydroxide

Duration:	Route of exposure:	DNEL:
Short term – Local effects - General population	Dermal	2 %
Long term – Local effects - General population	Inhalation	1 mg/m <sup>3</sup>
Long term – Local effects - Workers	Inhalation	1 mg/m <sup>3</sup>

Sodium hypochlorite

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	1.55 mg/m <sup>3</sup>
Long term – Local effects - Workers	Inhalation	1.55 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Inhalation	1.55 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	1.55 mg/m <sup>3</sup>
Short term – Local effects - General population	Inhalation	3.1 mg/m <sup>3</sup>
Short term – Local effects - Workers	Inhalation	3.1 mg/m <sup>3</sup>
Short term – Systemic effects - General population	Inhalation	3.1 mg/m <sup>3</sup>
Short term – Systemic effects - Workers	Inhalation	3.1 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	260 µg/kgbw/day

### PNEC

Sodium hypochlorite

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		210 ng/L
Intermittent release (freshwater)		260 ng/L
Marine water		42 ng/L
Predators		11.1 mg/kg
Sewage treatment plant		4.69 mg/L

### 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 eyewash and emergency showers are clearly marked.
Hygiene measures	Ensure that eyewash stations and safety showers are located within easy reach. Apply standard precautions during use of the product. Avoid inhalation of vapours. In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.
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
In case of inadequate ventilation use suitable respirator - B/P2			EN143/EN149



#### Skin protection

Recommended	Type/Category	Standards
Dedicated work clothing should be worn.	-	-



#### Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Use protective gloves made of: Butyl rubber. ≥ 0,4 mm Neoprene. ≥ 0,5 mm Nitrile. ≥ 0,7 mm EN 374.	≥ 0,4 - 0,7	≥ 480	EN374



#### Eye protection

Type	Standards
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	Testing not relevant or not possible due to the nature of the product.
Odour / Odour threshold	Chlorine
pH	>13,0
Density (g/cm <sup>3</sup> )	~1,15
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)	Testing not relevant or not possible due to the nature of the product.
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Flammability (°C)	Testing not relevant or not possible due to the nature of the product.
Auto-ignition temperature (°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	Completely soluble
n-octanol/water coefficient (LogKow)	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**

VOC (g/L)	0
Other physical and chemical parameters	No data available.
Oxidizing properties	Does not meet the criteria for oxidising.

**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

Contact with acids liberates toxic gas.  
Reacts violently with alkali metals, metal powders, oxidizing materials and amines.

**10.2. Chemical stability**

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

**10.3. Possibility of hazardous reactions**

Contact with acids liberates toxic gas.

**10.4. Conditions to avoid**

Protect from sunlight. Do not expose to temperatures exceeding 20 °C/68 °F.

**10.5. Incompatible materials**

Strong acids, alkali metals, metal powders, oxidizing materials and amines. Contact with metals can result in decomposition with the formation of oxygen.

**10.6. Hazardous decomposition products**

Oxygen, hypochlorous acid, chlorine.  
Thermal decomposition may produce corrosive vapours.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

Product/substance	Sodium hypochlorite
Test method:	OECD 401
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1100 mg/kg
Other information:	Source: ECHA

Product/substance	Sodium hypochlorite
Test method:	OECD 403
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	> 10,5 mg/L
Other information:	Source: ECHA

Product/substance	Sodium hypochlorite
Test method:	OECD 402
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	> 20000 mg/kg
Other information:	Source: ECHA

### Skin corrosion/irritation

Product/substance	Sodium hydroxide
Duration:	No data available.
Result:	Adverse effect observed (Corrosive)
Other information:	Source: ECHA

Product/substance	Sodium hypochlorite
Species:	Rabbit
Duration:	No data available.
Result:	Adverse effect observed (Corrosive)
Other information:	Source: ECHA

Causes severe skin burns and eye damage.

### Serious eye damage/irritation

Product/substance	Sodium hydroxide
Duration:	No data available.
Result:	Adverse effect observed (Irritating)
Other information:	Source: ECHA

Product/substance	Sodium hypochlorite
Species:	Rabbit
Duration:	No data available.
Result:	Adverse effect observed (Irritating)
Other information:	Source: ECHA

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

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

## 11.2. Information on other hazards

### Long term effects

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

### Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

### Other information

None known.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Product/substance	Sodium hydroxide
Species:	Fish
Duration:	96 hours
Test:	LC50

Result:	35 - 189 mg/L
Other information:	Source: ECHA
Product/substance	Sodium hydroxide
Species:	Crustacean, Ceriodaphnia dubia
Duration:	48 hours
Test:	EC50
Result:	40,4 mg/L
Other information:	Source: ECHA
Product/substance	Sodium hypochlorite
Species:	Fish, Oncorhynchus mykiss
Compartment:	Freshwater
Duration:	96 hours
Test:	LC50
Result:	0,06 mg/L
Other information:	Source: ECHA
Product/substance	Sodium hypochlorite
Species:	Fish, Oncorhynchus kisutch
Compartment:	Marine water
Duration:	96 hours
Test:	LC50
Result:	0,032 mg/L
Other information:	Source: ECHA
Product/substance	Sodium hypochlorite
Species:	Fish, Menidia peninsulae
Duration:	28 days
Test:	NOEC
Result:	0,04 mg/L
Other information:	Source: ECHA
Product/substance	Sodium hypochlorite
Species:	Algae
Duration:	7 days
Test:	NOEC
Result:	0,0021 mg/L
Other information:	Source: ECHA
Product/substance	Sodium hypochlorite
Test method:	OECD 202
Species:	Crustacean, Daphnia magna
Compartment:	Freshwater
Duration:	48 hours
Test:	EC50
Result:	0,141 mg/L
Other information:	Source: ECHA
Product/substance	Sodium hypochlorite
Test method:	OECD 202
Species:	Crustacean, Ceriodaphnia dubia
Compartment:	Freshwater
Duration:	48 hours
Test:	EC50
Result:	0,035 mg/L
Other information:	Source: ECHA
Product/substance	Sodium hypochlorite
Test method:	NOEC
Species:	Crustacean, Crassostrea virginica
Compartment:	Marine water
Duration:	15 days
Test:	NOEC
Result:	0,007 mg/L
Other information:	Source: ECHA

Toxic to aquatic life with long lasting effects.

## 12.2. Persistence and degradability

This product mainly consists of inorganic compounds which are not biodegradable. The remaining compounds of the product are expected to be easily biodegradable.

## 12.3. Bioaccumulative potential



The product is not bioaccumulating

#### 12.4. Mobility in soil

No data available.

#### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

#### 12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

#### 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 8 – Corrosive

HP 12 – Release of an acute toxic gas

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

07 06 01\*

Aqueous washing liquids and mother liquors

#### Specific labelling

Not applicable.






#### Contaminated packing

EWC code

07 06 01\*

Aqueous washing liquids and mother liquors

### 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	UN3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide)	Transport hazard class: 8 Label: 8 Classification code: C5  	II	Yes	Limited quantities: 1 L Tunnel restriction code: (E) See below for additional information.
IMDG	UN3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide)	Transport hazard class: 8 Label: 8 Classification code: C5  	II	Yes	Limited quantities: 1 L EmS: F-A S-B See below for additional information.
IATA	UN3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide)	Transport hazard class: 8 Label: 8 Classification code: C5 	II	Yes	See below for additional information.

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

\* Packing group

\*\* Environmental hazards

### Additional information

ADR / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport. This product is within scope of the regulations of transport of dangerous goods.

### 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. People under the age of 18 shall not be exposed to this product.
Demands for specific education	No specific requirements.
SEVESO - Categories / dangerous substances	E1 - ENVIRONMENTAL HAZARDS, Qualifying quantity (lower-tier): 100 tonnes / (upper-tier): 200 tonnes
Labelling of contents according to Detergents Regulation (EC) No 648/2004	5% - 15% · Chlorine-based bleaching Agents < 5% · Polycarboxylates
Additional information	Not applicable.
Sources	The Danish Working Environment Authority's executive order no. 1049 of 30 May 2021 on young people's work. Based on Council Directive 94/33 / EC of 22 June 1994 on the protection of young people at work. Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents. Executive Order no. 372 of 25 April 2016 on control of the risk of major accidents with dangerous substances. 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

/  
EUH031, Contact with acids liberates toxic gas.  
H290, May be corrosive to metals.  
H314, Causes severe skin burns and eye damage.  
H315, Causes skin irritation.  
H318, Causes serious eye damage.  
H319, Causes serious eye irritation.  
H400, Very toxic to aquatic life.

H410, Very toxic 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 (European conformity)  
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  
EuPCS = European Product Categorisation System  
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 is 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).  
H290: The classification of the substance/mixture is based on test data.

### The safety data sheet is validated by

MP

### 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.  
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: DK-en