

## SAFETY DATA SHEET

# Universallim 300

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

#### 1.1. Product identifier

##### Trade name

Universallim 300

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

##### Relevant identified uses of the substance or mixture

Solvent based adhesive

##### Uses advised against

None known.

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

##### Company and address

###### **Dana Lim A/S**

Københavnsvej 220

DK-4600 Køge

Denmark

Tel: +45 56 64 00 70

##### Contact person

Product Safety Department

##### E-mail

info@danalim.dk

##### Revision

8/21/2023

##### 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

Classified according to Regulation (EC) No. 1272/2008 (CLP).

#### 2.1. Classification of the substance or mixture

Flam. Liq. 2; H225, Highly flammable liquid and vapour.

Eye Irrit. 2; H319, Causes serious eye irritation.

STOT SE 3; H336, May cause drowsiness or dizziness.

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)

Highly flammable liquid and vapour. (H225)

Causes serious eye irritation. (H319)

May cause drowsiness or dizziness. (H336)

Harmful to aquatic life with long lasting effects. (H412)

##### Precautionary statement(s)

General

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

If medical advice is needed, have product container or label at hand. (P101)  
Keep out of reach of children. (P102)

#### Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)  
Use only outdoors or in a well-ventilated area. (P271)

#### 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)

#### Storage

-

#### Disposal

Dispose of contents/container in accordance with local regulation (P501)

#### Hazardous substances

acetone

#### Additional labelling

EUH066, Repeated exposure may cause skin dryness or cracking.

#### 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.

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.

### 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
acetone	CAS No.: 67-64-1 EC No.: 200-662-2 REACH: 01-2119471330-49-xxxx Index No.: 606-001-00-8	60-80%	EUH066 Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	[1]
Cellulose, nitrate	CAS No.: 9004-70-0 EC No.: 618-392-2 REACH: Index No.:	10-15%	Expl. 1.1, H201	
Ethanol	CAS No.: 64-17-5 EC No.: 200-578-6 REACH: 01-2119457610-43-xxxx Index No.: 603-002-00-5	5-10%	Flam. Liq. 2, H225 Eye Irrit. 2, H319	
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic	CAS No.: EC No.: 927-510-4 REACH: 01-2119475515-33-xxxx Index No.:	3-5%	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411	
n-butyl acetate	CAS No.: 123-86-4 EC No.: 204-658-1 REACH: Index No.: 607-025-00-1	1-3%	EUH066 Flam. Liq. 3, H226 STOT SE 3, H336	[1]
butan-1-ol	CAS No.: 71-36-3 EC No.: 200-751-6 REACH: 01-2119484630-38-XXXX Index No.: 603-004-00-6	1-3%	Flam. Liq. 3, H226 Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 (SCL: 20.00 %) STOT SE 3, H336	

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.

### 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

IF ON SKIN: Wash with plenty of water and soap.

Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

##### Eye contact

If in eyes: Flush eyes immediately with plenty of water or isotonic water (20-30 °C) for at least 5 minutes and continue until irritation stops. Remove contact lenses. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

##### Ingestion

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

##### Burns

Rinse with water until pain stops then continue to rinse for 30 minutes.

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

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.

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and 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 eye irritation persists: Get 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

Highly flammable liquid and vapour.

In use may form flammable/explosive vapour-air 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:

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

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

Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.

Ensure adequate ventilation, especially in confined areas.

Avoid inhalation of vapours from spilled material.

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

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

Ground and bond container and receiving equipment.

Use explosion-proof [electrical/lighting/ventilating] equipment.

Use non-sparking tools.

Take action to prevent static discharges.

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

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

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

Take action to prevent static discharges.

Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

#### Recommended storage material

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

#### Fire class

In accordance with the statutory order on flammable liquids the product is classified as a liquid of class I, subclass 1 (1 storage unit = 1 liter).

#### Storage temperature

Dry, cool and well ventilated

#### 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

acetone

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 600

Long term exposure limit (8 hours) (ppm): 250

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 1200

Short term exposure limit (15 minutes) (ppm): 500

Annotations:

E = Substance has an EC limit.

Ethanol

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

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 1900  
 Long term exposure limit (8 hours) (ppm): 1000

n-butyl acetate

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 710  
 Long term exposure limit (8 hours) (ppm): 150

butan-1-ol

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 150  
 Long term exposure limit (8 hours) (ppm): 50

Annotations:

H = The substance can be absorbed through the skin.

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

acetone

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	62 mg/kg/day
Long term – Systemic effects - Workers	Dermal	186 mg/kg/day
Long term – Systemic effects - General population	Inhalation	200 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	1.210 mg/m <sup>3</sup>
Short term – Local effects - Workers	Inhalation	2.420 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	62 mg/kg/day

## PNEC

acetone

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		10,6 mg/l
Freshwater sediment		3,04 mg/kg
Marine water		1,06 mg/l
Sewage treatment plant		29,5 mg/kg
Soil		33,3 mg/l
Water		21 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.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

### Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash 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.

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

### Respiratory Equipment

Work situation	Type	Class	Colour	Standards
In case of insufficient ventilation and short term use	AX	Class 1 (low capacity)	Brown	EN141



### Skin protection

No specific requirements.

### Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Butyl	0.5	> 240	EN374-2, EN374-3, EN388, EN421



### Eye protection

Type	Standards
Wear 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

Clear

#### Odour / Odour threshold

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

#### pH

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

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

0.89

#### Kinematic viscosity

5600-7000

#### 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)

56

##### 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)

-18

##### Flammability (°C)

The material is ignitable.

##### Auto-ignition temperature (°C)

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

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

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

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

**Solubility**

**Solubility in water**

Insoluble

**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.

**Oxidizing properties**

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

**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**

None known.

**10.4. Conditions to avoid**

Avoid static electricity.

Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

**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	acetone
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	5800 mg/kg ·

Product/substance	acetone
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>7.400 mg/kg ·

Product/substance	acetone
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	32 mg/l ·

Product/substance	acetone
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	15.800 ·

Product/substance	acetone
Species:	Rat

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

Route of exposure:	Inhalation
Test:	LC50
Result:	76 ·
Product/substance	n-butyl acetate
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	10760-13100 mg/kg ·
Product/substance	n-butyl acetate
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	14100 mg/kg ·
Product/substance	n-butyl acetate
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	23,4 mg/l 4 hours ·

#### Skin corrosion/irritation

Product/substance	n-butyl acetate
Species:	Rabbit
Duration:	No data available.
Result:	Adverse effect observed (Irritating)

#### Serious eye damage/irritation

Product/substance	n-butyl acetate
Species:	Rabbit
Duration:	No data available.
Result:	Adverse effect observed (Irritating)

Causes serious eye irritation.

#### 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

May cause drowsiness or dizziness.

#### 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

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.  
 Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

#### Endocrine disrupting properties

Not applicable.

#### Other information

Ethanol has been classified by IARC as a group 1 carcinogen.



## SECTION 12: Ecological information

### 12.1. Toxicity

Product/substance acetone  
 Species: Algae  
 Duration: 96 hours  
 Test: NOEC  
 Result: 7.000 mg/l ·

Product/substance acetone  
 Species: Daphnia  
 Duration: 28 days  
 Test: NOEC  
 Result: 2.212 mg/l ·

Product/substance acetone  
 Species: Fish  
 Duration: 96 hours  
 Test: LC50  
 Result: 5.540 mg/l, Oncorhynchus mykiss ·

Product/substance acetone  
 Species: Fish  
 Duration: 96 hours  
 Test: LC50  
 Result: > 100 mg/l, Pimephales promelas ·

Product/substance acetone  
 Species: Crustacean  
 Duration: 48 hours  
 Test: EC50  
 Result: 8.800 mg/l, Daphnia magna ·

Product/substance n-butyl acetate  
 Species: Daphnia  
 Duration: 48 hours  
 Test: EC50  
 Result: 44 mg/l ·

Product/substance n-butyl acetate  
 Species: Algae  
 Duration: 72 hours  
 Test: EC50  
 Result: 647,7 mg/l ·

Harmful to aquatic life with long lasting effects.

### 12.2. Persistence and degradability

Product/substance acetone  
 Biodegradable: Yes  
 Test method:  
 Result:

### 12.3. Bioaccumulative potential

Product/substance acetone  
 Test method:  
 Potential bioaccumulation: No  
 LogPow: No data available.  
 BCF: 3  
 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

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

vPvB.

**12.6. Endocrine disrupting properties**

Not applicable.

**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 3 - Flammable

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**

08 04 09\* Waste adhesives and sealants containing organic solvents or other dangerous substances

**Contaminated packing**

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

**SECTION 14: Transport information**

	<b>14.1 UN / ID</b>	<b>14.2 UN proper shipping name</b>	<b>14.3 Hazard class(es)</b>	<b>14.4 PG*</b>	<b>14.5 Env**</b>	<b>Other information:</b>
ADR	UN1133	ADHESIVES	Transport hazard class: 3 Label: 3 Classification code: F1 	II	No	Limited quantities: 5 L Tunnel restriction code: (D/E) See below for additional information.
IMDG	UN1133	ADHESIVES	Transport hazard class: 3 Label: 3 Classification code: F1 	II	No	Limited quantities: 5 L EmS: F-E S-D See below for additional information.
IATA	UN1133	ADHESIVES	Transport hazard class: 3 Label: 3 Classification code: F1 	II	No	See below for additional 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**

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

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

People under the age of 18 shall not be exposed to this product.

##### Demands for specific education

No specific requirements.

##### SEVESO - Categories / dangerous substances

P5c - FLAMMABLE LIQUIDS, Qualifying quantity (lower-tier): 5.000 tonnes / (upper-tier): 50.000 tonnes

##### Regulation on drug precursors

acetone is included (Category 3)

##### Regulation on explosives precursors

acetone (Annex II)

##### Product registration number

54114

##### Additional information

Tactile warning.

##### Sources

The Danish Working Environment Authority's executive order no. 239 of 6 April 2005 on young people's work.

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

Pregnant workers and workers who are breastfeeding (AT Guide A.1.8-6, amended 2020).

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.

Council Regulation (EC) No 273/2004 on drug precursors.

Council Regulation (EC) No 2019/1148 on explosives precursors.

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

H302, Harmful if swallowed.

H304, May be fatal if swallowed and enters airways.

H315, Causes skin irritation.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.

H335, May cause respiratory irritation.

H336, May cause drowsiness or dizziness.

H411, 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

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

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 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).

The classification of the mixture in regard to physical hazards has been based on experimental data.

#### The safety data sheet is validated by

Product Safety Department

#### 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