SAFETY DATA SHEET

Nilfisk Des 5000_105301722_105301723

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

1.1. Product identifier

Trade name

Nilfisk Des 5000_105301722_105301723

Product no.

105301722_ 105301723

Unique formula identifier (UFI)

K412-E0JV-A008-126C

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

Relevant identified uses of the substance or mixture

Biocide

Uses advised against

No special

1.3. Details of the supplier of the safety data sheet

Company and address

Nilfisk A/S
Kornmarksvej 1
2605 Brøndby
Denmark
+45 43 23 40 50
www.nilfisk.dk

Contact person

-

E-mail

sds.com@nilfisk.com

SDS date

2021-03-16

SDS Version

1.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).
See section 4 “First aid measures”.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin Irrit. 2; H315, Causes skin irritation.

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.

2.2. Label elements

Hazard pictogram(s)

Signal word

Danger

Hazard statement(s)

Causes skin irritation.
Causes serious eye damage.
Very toxic to aquatic life with long lasting effects.

Safety statement(s)

General

-

Prevention

P273, Avoid release to the environment.
P280, Wear face shield / protective gloves.

Response

P305+P351+P338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310, Immediately call a POISON CENTER / doctor.
P391, Collect spillage.

Storage

-

Disposal

P501, Dispose of contents/container to an approved waste disposal plant.

Hazardous substances

N-(3-aminopropyl)-N-dodecylpropan-1,3-diamin

2.3. Other hazards

Additional labelling

Active substance(s):
didecyldimethylammonium chloride (3 g/100g)

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/Ingredient name	Identifiers	% w/w	Classification	Note
didecyldimethylammonium chloride	CAS No.: 7173-51-5 EC No.: 230-525-2 REACH No.: Index No.: 612-131-00-6	3-5%	Acute Tox. 4, H302 Skin Corr. 1B, H314 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)	PIC
N-(3-aminopropyl)-N-dodecylpropan-1,3-diamin	CAS No.: 2372-82-9 EC No.: 219-145-8 REACH No.: Index No.:	1-3%	Acute Tox. 3, H301 Skin Corr. 1C, H314 Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)	

propan-2-ol isopropyl alcohol isopropanol	CAS No.: 67-63-0 EC No.: 200-661-7 REACH No.: 01-2119457558-25-0000 Index No.: 603-117-00-0	1-3%	STOT SE 3, H336 Eye Irrit. 2, H319 Flam. Liq. 2, H225

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

Other information

PIC: Substance is listed in Annex I of the Prior Informed Consent Regulation (PIC, Regulation (EU) 649/2012).

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

Upon irritation of the eye: Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing.

Ingestion

Provide plenty of water for the person to drink and stay with him/her. 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 victim lean forward with head down to avoid inhalation of- or choking on vomited material.

Burns

Not applicable

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.

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.

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.
Avoid inhalation of vapours from spilled material.

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, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.
To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 on “Disposal considerations” in regard of 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.
Always store in containers of the same material as the original container.

Storage temperature

> 0°C

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

—
propan-2-ol isopropyl alcohol isopropanol
Long term exposure limit (8 hours) (ppm): 400
Long term exposure limit (8 hours) (mg/m³): 999
Short term exposure limit (15 minutes) (ppm): 500
Short term exposure limit (15 minutes) (mg/m³): 1250

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002. EH40/2005 Workplace exposure limits (Fourth Edition 2020)

DNEL

Product/Ingredient name	N-(3-aminopropyl)-N-dodecylpropan-1,3-diamin
DNEL	2,35 mg/m3
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers

Product/Ingredient name	N-(3-aminopropyl)-N-dodecylpropan-1,3-diamin
DNEL	0,91 mg/kg
Route of exposure	Dermal
Duration	Long term – Systemic effects - Workers

Product/Ingredient name	N-(3-aminopropyl)-N-dodecylpropan-1,3-diamin
DNEL	0,7 mg/m3
Route of exposure	Inhalation
Duration	Long term – Systemic effects - General population

Product/Ingredient name	N-(3-aminopropyl)-N-dodecylpropan-1,3-diamin
DNEL	0,54 mg/kg
Route of exposure	Dermal
Duration	Long term – Systemic effects - General population

Product/Ingredient name	N-(3-aminopropyl)-N-dodecylpropan-1,3-diamin
DNEL	0,2 mg/kg
Route of exposure	Oral
Duration	Long term – Systemic effects - General population

PNEC

Product/Ingredient name	N-(3-aminopropyl)-N-dodecylpropan-1,3-diamin
PNEC	0,001 mg/l
Route of exposure	Freshwater
Duration of Exposure	

Product/Ingredient name	N-(3-aminopropyl)-N-dodecylpropan-1,3-diamin
PNEC	0,0001 mg/l
Route of exposure	Marine water
Duration of Exposure	

Product/Ingredient name	N-(3-aminopropyl)-N-dodecylpropan-1,3-diamin
PNEC	8,5 mg/kg dry
Route of exposure	Freshwater sediment
Duration of Exposure	

Product/Ingredient name	N-(3-aminopropyl)-N-dodecylpropan-1,3-diamin
PNEC	0,85 mg/kg dry
Route of exposure	Marine water sediment
Duration of Exposure	

Product/Ingredient name	N-(3-aminopropyl)-N-dodecylpropan-1,3-diamin
PNEC	45,34 mg/kg dry
Route of exposure	Soil
Duration of Exposure	

Product/Ingredient name	N-(3-aminopropyl)-N-dodecylpropan-1,3-diamin
PNEC	1,33 mg/l
Route of exposure	Sewage treatment plant
Duration of Exposure	

Product/Ingredient name	N-(3-aminopropyl)-N-dodecylpropan-1,3-diamin
PNEC	0,00015 mg/l
Route of exposure	Water
Duration of Exposure	

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

Airborne gas and dust concentrations 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

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.

Respiratory Equipment

Work situation	Type	Class	Colour	Standards
-	No specific requirements	-	-	-

Skin protection

Work situation	Recommended	Type/Category	Standards
	No special when used as intended	-	-

Hand protection

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	Nitrile	0,3	>240	EN388	

Eye protection

Work situation	Type	Standards	
	In the likelihood of direct or incidental exposure, use face protection.	EN166	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form
Liquid

Colour
Clear

Odour
Characteristic

Odour threshold (ppm)
Testing not relevant or not possible due to nature of the product.

pH
8,0

Density (g/cm³)
0.99

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

Phase changes

Melting point (°C)
Testing not relevant or not possible due to nature of the product.

Boiling point (°C)
Testing not relevant or not possible due to nature of the product.

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

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

Decomposition temperature (°C)
Testing not relevant or not possible due to nature of the product.

Evaporation rate (n-butylacetate = 100)
Testing not relevant or not possible due to nature of the product.

Data on fire and explosion hazards

Flash point (°C)
Testing not relevant or not possible due to nature of the product.

Ignition (°C)
Testing not relevant or not possible due to nature of the product.

Auto flammability (°C)
Testing not relevant or not possible due to nature of the product.

Explosion limits (% v/v)

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

Explosive properties

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

Oxidizing properties

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

Solubility

Solubility in water

Soluble

n-octanol/water coefficient

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

Solubility in fat (g/L)

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

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under the conditions, noted in the section “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 toxicological effects

Acute toxicity

Product/Ingredient name	didecyldimethylammonium chloride
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	238 mg/kg ·
Other information	

Product/Ingredient name	didecyldimethylammonium chloride
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	3342 mg/kg ·
Other information	

Product/Ingredient	N-(3-aminopropyl)-N-dodecylpropan-1,3-diamin

name	
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	261 mg/L
Other information	

Product/Ingredient name	propan-2-ol isopropyl alcohol isopropanol
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	12800 mg/kg bdw ·
Other information	

Product/Ingredient name	propan-2-ol isopropyl alcohol isopropanol
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	5045 mg/kg bdw ·
Other information	

Product/Ingredient name	propan-2-ol isopropyl alcohol isopropanol
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	16000 ppm/8h ·
Other information	

Skin corrosion/irritation

Product/Ingredient name	didecyldimethylammonium chloride
Test method	
Species	
Duration	No data available.
Result	Adverse effect observed (Corrosive)
Other information	

Product/Ingredient name	N-(3-aminopropyl)-N-dodecylpropan-1,3-diamin
Test method	
Species	Rabbit
Duration	No data available.
Result	Adverse effect observed (Corrosive)
Other information	

Causes skin irritation.

Serious eye damage/irritation

Product/Ingredient name	didecyldimethylammonium chloride
Test method	
Species	
Duration	No data available.
Result	Adverse effect observed (Highly irritating)
Other information	

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.

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.

Other information

propan-2-ol isopropyl alcohol isopropanol has been classified by IARC as a group 3 carcinogen.

SECTION 12: Ecological information

12.1. Toxicity

Product/Ingredient name	didecyldimethylammonium chloride
Test method	
Species	Daphnia
Compartment	
Duration	No data available.
Test	EC50
Result	0,011- 0,099 mg/L ·
Other information	

Product/Ingredient name	didecyldimethylammonium chloride
Test method	
Species	Daphnia
Compartment	
Duration	No data available.
Test	NOEC

Result	0,010 - 0,099 mg/l ·
Other information	

Product/Ingredient name	N-(3-aminopropyl)-N-dodecylpropan-1,3-diamin
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	> 0,1 - 1 mg/L
Other information	

Product/Ingredient name	N-(3-aminopropyl)-N-dodecylpropan-1,3-diamin
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	> 0,01 - 0,1 mg/L
Other information	

Product/Ingredient name	N-(3-aminopropyl)-N-dodecylpropan-1,3-diamin
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	EC50
Result	> 0,01 - 0,1 mg/L
Other information	

Product/Ingredient name	N-(3-aminopropyl)-N-dodecylpropan-1,3-diamin
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	NOEC
Result	> 0,001 - 0,01 mg/L
Other information	

Product/Ingredient name	propan-2-ol isopropyl alcohol isopropanol
Test method	
Species	Algae
Compartment	
Duration	24 hours
Test	EC50
Result	1000000 ug/L ·
Other information	

Product/Ingredient name	propan-2-ol isopropyl alcohol isopropanol
Test method	
Species	Fish
Compartment	
Duration	48 hours
Test	LC50
Result	1400000 ug/L ·
Other information	

12.2. Persistence and degradability

Product/Ingredient name	didecyldimethylammonium chloride
Biodegradable	Yes
Test	
Result	

Product/Ingredient name	N-(3-aminopropyl)-N-dodecylpropan-1,3-diamin
Biodegradable	Yes
Test	OECD 301 D
Result	

12.3. Bioaccumulative potential

Product/Ingredient name	didecyldimethylammonium chloride
Test method	
Potential bioaccumulation	No
LogPow	No data available
BCF	No data available
Other information	

Product/Ingredient name	N-(3-aminopropyl)-N-dodecylpropan-1,3-diamin
Test method	
Potential bioaccumulation	No
LogPow	No data available
BCF	No data available
Other information	

Product/Ingredient name	propan-2-ol isopropyl alcohol isopropanol
Test method	
Potential bioaccumulation	No
LogPow	0,0500
BCF	No data available
Other information	

12.4. Mobility in soil

propan-2-ol isopropyl alcohol isopropanol
LogKoc = 0.117995, High mobility potential.

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

EWC code

20 01 29*	Detergents containing dangerous substances
20 03 01	Mixed municipal waste

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 - 14.4

This product is within scope of the regulations of transport of dangerous goods.

ADR/RID

UN- or ID number	UN proper shipping name	Labels	PG	Tunnel restriction code
UN 3082	Didecyldimethylammonium Chloride, Dodecyl Dipropylene Triamine	9	III	

IMDG

UN- or ID number	UN proper shipping name	Labels	PG	EmS
UN 3082	Didecyldimethylammonium Chloride, Dodecyl Dipropylene Triamine	9	III	,

IATA

UN- or ID number	UN proper shipping name	Labels	PG
UN 3082	Didecyldimethylammonium Chloride, Dodecyl Dipropylene Triamine	9	III

"MARINE POLLUTANT"

Yes

14.5. Environmental hazards

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.

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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.

Demands for specific education

No specific requirements

SEVESO - Categories / dangerous substances

E1 - ENVIRONMENTAL HAZARDS, Qualifying quantity (lower-tier): 100 tonnes / (upper-tier): 200 tonnes

Biocidal Products Regulations

Product type:
PT2 - Disinfectants and algaecides not intended for direct application to humans or animals
Restrictions on use:
-
Directions for use and dose rate:
-
Additional information:
-

Additional information

Not applicable

Sources

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.
The Health and Safety at Work etc. Act 1974 Regulations 2013.
The Control of Major Accident Hazards (COMAH) Regulations 2015.
Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products.
REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.
Commission Regulation (EU) No 1357/2014 of 18 December 2014 replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).
Regulation (EC) 1907/2006 (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.
H314, Causes severe skin burns and eye damage.
H400, Very toxic to aquatic life.
H410, Very toxic to aquatic life with long lasting effects.
H301, Toxic if swallowed.
H318, Causes serious eye damage.
H373, May cause damage to organs through prolonged or repeated exposure.
H336, May cause drowsiness or dizziness.
H319, Causes serious eye irritation.

H225, Highly flammable liquid and vapour.

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
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
UVCB = Complex hydrocarbon substance
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the substance/mixture is based on:
The classification of the substance/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

MH

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: GB-en