

SAFETY DATA SHEET

Wood Glue PU Light 421

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

1.1. Product identifier

Trade name

Wood Glue PU Light 421

Product no.

421

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

Relevant identified uses of the substance or mixture

Wood glue

Uses advised against

No special

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

Fax: +45 56 64 00 90

Contact person

Product Safety Department

E-mail

info@danalim.dk

SDS date

2021-08-12

SDS Version

2.0

Date of previous version

2021-08-12 (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.

Skin Sens. 1; H317, May cause an allergic skin reaction.

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

Acute Tox. 4; H332, Harmful if inhaled.

Resp. Sens. 1; H334, May cause allergy or asthma symptoms or breathing difficulties if inhaled.

STOT SE 3; H335, May cause respiratory irritation.

Carc. 2; H351, Suspected of causing cancer.

STOT RE 2; H373, May cause damage to organs through prolonged or repeated exposure.

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. (H315)

May cause an allergic skin reaction. (H317)

Causes serious eye irritation. (H319)

Harmful if inhaled. (H332)

May cause allergy or asthma symptoms or breathing difficulties if inhaled. (H334)

May cause respiratory irritation. (H335)

Suspected of causing cancer. (H351)

May cause damage to organs through prolonged or repeated exposure. (H373)

Toxic to aquatic life with long lasting effects. (H411)

Safety statement(s)

General

If medical advice is needed, have product container or label at hand. (P101)

Keep out of reach of children. (P102)

Prevention

Use only outdoors or in a well-ventilated area. (P271)

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

Response

IF INHALED: Remove person to fresh air and keep comfortable for breathing. (P304+P340)

If experiencing respiratory symptoms: Call a POISON CENTER / doctor (P342+P311)

Storage

-

Disposal

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

Hazardous substances

Prepolymer based on aromatic polyisocyanate

diphenylmethan-2,4'-diisocyanat

4,4'-methylendiphenyldiisocyanat

2.3. Other hazards

▼ Additional labelling

As from 24 August 2023 adequate training is required before industrial or professional use.

EUH204, Contains isocyanates. May produce an allergic reaction.

Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

Please use the attached protective gloves! Maximum period of use: 5 minutes. Throw away after use, do not re-use.

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
Prepolymer based on aromatic polyisocyanate	CAS No.: 99784-49-3 EC No.: REACH: Index No.:	60-80%	Skin Irrit. 2, H315 Skin Sens. 1, H317 Resp. Sens. 1, H334 Acute Tox. 4, H332 Eye Irrit. 2, H319 STOT RE 2, H373 STOT SE 3, H335	
diphenylmethan-2,4'-diisocyanat	CAS No.: 5873-54-1 EC No.: 227-534-9 REACH: 01-2119480143-45-0000 Index No.: 615-005-00-9	15-25%	Skin Irrit. 2, H315 (SCL: 5.00 %) Skin Sens. 1, H317 Resp. Sens. 1, H334 (SCL: 0.10 %) Acute Tox. 4, H332 Eye Irrit. 2, H319 (SCL: 5.00 %) Carc. 2, H351 STOT RE 2, H373 STOT SE 3, H335 (SCL: 5.00 %)	[3]
4,4'-methylenediphenyldiisocyanat	CAS No.: 101-68-8 EC No.: 202-966-0 REACH: 01-2119457014-47-xxxx Index No.: 615-005-00-9	15-25%	Skin Irrit. 2, H315 (SCL: 5.00 %) Skin Sens. 1, H317 Acute Tox. 4, H332 Resp. Sens. 1, H334 (SCL: 0.10 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Carc. 2, H351 STOT RE 2, H373 STOT SE 3, H335 (SCL: 5.00 %)	[3]

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

Other information

[3] The chemical substance is subject to REACH restrictions, REACH annex XVII.

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 injured person into fresh air. Make sure the injured person is continuously monitored. Prevent shock by keeping the injured person warm and calm. If breathing ceases, give mouth-to-mouth resuscitation. If unconscious, roll the injured person into recovery position. Call an ambulance.

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

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

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact.

Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

Sensitisation: This product contains substances, which may produce an allergic reaction through inhalation. The allergic reaction typically takes place within an hour after exposure. The reaction results in an inflammatory reaction to the lungs.

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_x)

Carbon oxides (CO / CO₂).

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, 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

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

> 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

No substances are listed in the national list of substances with an occupational exposure limit.

DNEL

Product/substance	diphenylmethan-2,4'-diisocyanat
DNEL	0,05 mg/m ³
Route of exposure	Inhalation
Duration	Short term – Local effects - General population

Product/substance	diphenylmethan-2,4'-diisocyanat
DNEL	0,025 mg/m ³
Route of exposure	Inhalation
Duration	Long term – Local effects - General population

Product/substance	diphenylmethan-2,4'-diisocyanat
DNEL	0,1 mg/m ³
Route of exposure	Inhalation
Duration	Short term – Local effects - Workers

Product/substance	diphenylmethan-2,4'-diisocyanat
DNEL	0,05 mg/m ³
Route of exposure	Inhalation
Duration	Long term – Local effects - Workers

Product/substance	4,4'-methyldiphenyldiisocyanat
DNEL	0,025 mg/m ³
Route of exposure	Inhalation
Duration	Long term – Local effects - General population

Product/substance	4,4'-methyldiphenyldiisocyanat
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According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

DNEL	0,05 mg/m ³
Route of exposure	Inhalation
Duration	Short term – Local effects - General population

Product/substance	4,4´-methyldiphenyldiisocyanat
DNEL	0,1 mg/m ³
Route of exposure	Inhalation
Duration	Short term – Local effects - Workers

Product/substance	4,4´-methyldiphenyldiisocyanat
DNEL	0,05 mg/m ³
Route of exposure	Inhalation
Duration	Long term – Local effects - Workers

PNEC

Product/substance	diphenylmethan-2,4´-diisocyanat
PNEC	1 mg/l
Route of exposure	Freshwater
Duration of Exposure	

Product/substance	diphenylmethan-2,4´-diisocyanat
PNEC	0,1 mg/l
Route of exposure	Marine water
Duration of Exposure	

Product/substance	diphenylmethan-2,4´-diisocyanat
PNEC	1 mg/l
Route of exposure	Sewage treatment plant
Duration of Exposure	

Product/substance	diphenylmethan-2,4´-diisocyanat
PNEC	1 mg/kg dryweight
Route of exposure	Soil
Duration of Exposure	

Product/substance	diphenylmethan-2,4´-diisocyanat
PNEC	10 mg/l
Route of exposure	Intermittent release
Duration of Exposure	

Product/substance	4,4´-methyldiphenyldiisocyanat
PNEC	1 mg/l
Route of exposure	Freshwater
Duration of Exposure	

Product/substance	4,4´-methyldiphenyldiisocyanat
PNEC	0,1 mg/l
Route of exposure	Marine water
Duration of Exposure	

Product/substance	4,4´-methyldiphenyldiisocyanat
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PNEC	1 mg/l
Route of exposure	Sewage treatment plant
Duration of Exposure	
Product/substance	4,4´-methylenediphenyldiisocyanat
PNEC	1 mg/kg dryweight
Route of exposure	Soil
Duration of Exposure	
Product/substance	4,4´-methylenediphenyldiisocyanat
PNEC	10 mg/l
Route of exposure	Intermittent release
Duration of Exposure	

8.2. Exposure controls

Control is unnecessary if the product is used as intended.

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

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures

Do not recirculate outlet air that contain the substances.

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


Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

Use only CE marked protective equipment.

Respiratory Equipment

Work situation	Type	Class	Colour	Standards	
In case of insufficient ventilation	Combination filter A2P2	Class 2	Brown/White	EN14387	

Skin protection

Recommended	Type/Category	Standards	
Dedicated work clothing should be worn. Wear a protective suit in the event of prolonged periods of work with the product.	-	-	

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Nitrile/Neopren/Butyl			



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

Pale yellow

Odour / Odour threshold

Aromatic

pH

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

Density (g/cm³)

1.13

Kinematic viscosity

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

Vapour pressure

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

Relative 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.

Data on fire and explosion hazards

Flash point (°C)

193.00 °C

Ignition (°C)

500 °C

Auto flammability (°C)

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

Lower and upper explosion limit (% v/v)

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

Solubility

Solubility in water

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

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 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	Prepolymer based on aromatic polyisocyanate
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	>9.400 mg/kg ·
Other information	

Product/substance	Prepolymer based on aromatic polyisocyanate
Test method	
Species	
Route of exposure	Inhalation
Test	
Result	1,5 mg/kg ·
Other information	

Product/substance	Prepolymer based on aromatic polyisocyanate
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	>2000 mg/kg ·
Other information	

Product/substance	4,4´-methylen-diphenyldiisocyanat
Test method	
Species	Rat

Route of exposure	Oral
Test	LD50
Result	>2000 mg/kg ·
Other information	

Product/substance	4,4´-methylen-diphenyl-diisocyanat
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	>9400 mg/kg ·
Other information	

Product/substance	4,4´-methylen-diphenyl-diisocyanat
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LD50
Result	0,368 mg/l (dust) ·
Other information	

Harmful if inhaled.

Skin corrosion/irritation

Product/substance	Prepolymer based on aromatic polyisocyanate
Test method	
Species	Rabbit
Duration	No data available.
Result	Adverse effect observed (Irritating)
Other information	

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory sensitisation

Product/substance	Prepolymer based on aromatic polyisocyanate
Test method	
Species	Guinea pig
Result	Adverse effect observed (sensitising)
Other information	

Product/substance	4,4´-methylen-diphenyl-diisocyanat
Test method	
Species	Guinea pig
Result	Adverse effect observed (sensitising)
Other information	

Skin sensitisation

Product/substance	Prepolymer based on aromatic polyisocyanate
Test method	
Species	
Result	

Other information

Product/substance	4,4´-methylenediphenyldiisocyanat
Test method	
Species	
Result	Adverse effect observed (sensitising)
Other information	

Germ cell mutagenicity

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

Carcinogenicity

Product/substance	4,4´-methylenediphenyldiisocyanat
Test method	
Species	Rat
Route of exposure	
Target organ	
Duration	
Test	OECD 453
Result	Tumors in highest dosis group
Conclusion	Adverse effect observed
Other information	

Suspected of causing cancer.

Reproductive toxicity

Product/substance	4,4´-methylenediphenyldiisocyanat
Test method	
Species	Rat
Duration	
Test	OECD TG 414
Result	No adverse effect observed
Conclusion	No adverse effect observed
Other information	

STOT-single exposure

May cause respiratory irritation.

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

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

11.2 Information on other hazards

Long term effects

Carcinogenic effects: This product contains substances considered or proven to be carcinogenic. The carcinogenic effects may be triggered subsequent to exposure through inhalation, skin contact or ingestion.
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

4,4´-methylenediphenyldiisocyanat has been classified by IARC as a group 3 carcinogen.

SECTION 12: Ecological information

12.1. Toxicity

No data available

12.2. Persistence and degradability

Product/substance	4,4'-methylenediphenyldiisocyanat
Biodegradable	No
Test method	
Result	

12.3. Bioaccumulative potential

Product/substance	4,4'-methylenediphenyldiisocyanat
Test method	
Potential bioaccumulation	No
LogPow	No data available
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 5 - Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

HP 6 - Acute toxicity

HP 7 - Carcinogenic

HP 13 - Sensitising

HP 14 - Ecotoxic

Avoid discharge to lakes, streams, sewers, etc.

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

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

EWC code

08 05 01* Waste isocyanates

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.

These substances when carried in single or combination packaging's containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids, are not subject to any other provisions of ADR/IMDG/IATA provided the packaging's meet the general provisions of 4.1.1.1, 4.1.1.2, 4.1.1.4 - 4.1.1.8 (ADR, IMDG) / 5.0.2.4.1, 5.0.2.6.1.1, 5.0.2.8 (IATA)

ADR/RID

UN- or ID number	UN proper shipping name	Labels	Packing group	Tunnel restriction code
3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700, reaction product: bisphenol-F-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700))	9	III	3 (-)

IMDG

UN- or ID number	UN proper shipping name	Labels	Packing group	EmS
3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700, reaction product: bisphenol-F-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700))	9	III	F-A, S-F

MARINE POLLUTANT

Yes

IATA

UN- or ID number	UN proper shipping name	Labels	Packing group
3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700, reaction product: bisphenol-F-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700))	9	III

14.5. Environmental hazards

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. 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.

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

Use of this product requires dedicated training in work with polyurethane and epoxy products.

SEVESO - Categories / dangerous substances

E2 - ENVIRONMENTAL HAZARDS, Qualifying quantity (lower-tier): 200 tonnes / (upper-tier): 500 tonnes

Additional information

Tactile warning.

Sources

The Management of Health and Safety at Work Regulations 1999

The Health and Safety at Work etc. Act 1974 Regulations 2013.

Control of Major Accident Hazards (COMAH) Regulations 2015.

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

H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H319, Causes serious eye irritation.

H332, Harmful if inhaled.

H334, May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335, May cause respiratory irritation.

H351, Suspected of causing cancer.

H373, May cause damage to organs through prolonged or repeated exposure.

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

Additional information

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

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: GB-en