

## SAFETY DATA SHEET

## PU All Year Foam 582

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

## 1.1. Product identifier

## Trade name

PU All Year Foam 582

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

## Relevant identified uses of the substance or mixture

1-component polyurethane foam ready for use

## 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

2021-08-16

## SDS Version

3.0

## Date of previous version

2021-07-08 (2.0)

## 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

Aerosol 1; H222, H229, Extremely flammable aerosol. Pressurised container: May burst if heated.

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.

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.

Lact. H362, May cause harm to breast-fed children.

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

Aquatic Chronic 4; H413, May cause long lasting harmful effects to aquatic life.

## 2.2. Label elements

### Hazard pictogram(s)



### Signal word

Danger

### ▼ Hazard statement(s)

Extremely flammable aerosol. Pressurised container: May burst if heated. (H222, H229)

May cause long lasting harmful effects to aquatic life. (H413)

Causes skin irritation. (H315)

May cause an allergic skin reaction. (H317)

Causes serious eye irritation. (H319)

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

May cause respiratory irritation. (H335)

Suspected of causing cancer. (H351)

May cause harm to breast-fed children. (H362)

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

### 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

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)

Do not spray on an open flame or other ignition source. (P211)

Do not pierce or burn, even after use. (P251)

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 IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

#### Storage

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F. (P410+P412)

#### Disposal

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

### ▼ Hazardous substances

Diphenyl methane diisocyanate, isomers and homologues

Alkanes, C14-17, chloro

Glycerol, propoxylated

## 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

In the event of leaks, high concentrations of gases can quickly form. They can be toxic, asphyxiating, or explosive.

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
Diphenyl methane diisocyanate, isomers and homologues	CAS No.: 9016-87-9 EC No.: 618-498-9 REACH: Index No.:	25-40%	Skin Irrit. 2, H315 Skin Sens. 1, H317 Resp. Sens. 1, H334 Acute Tox. 4, H332 Eye Irrit. 2, H319 Carc. 2, H351 STOT RE 2, H373 STOT SE 3, H335	
Alkanes, C14-17, chloro	CAS No.: 85535-85-9 EC No.: 287-477-0 REACH: 01-2119519269-33-xxxx Index No.: 602-095-00-X	15-25%	Lact. H362 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) EUH066	
isobutane	CAS No.: 75-28-5 EC No.: 200-857-2 REACH: 01-2119485395-27 Index No.: 601-004-00-0	15-25%	Flam. Gas 1A, H220 Press. Gas (Comp.) H280	
Glycerol, propoxylated	CAS No.: 25791-96-2 EC No.: 500-044-5 REACH: Index No.:	5-10%	Acute Tox. 4, H302	
Propane-1,2-diol, propoxylated	CAS No.: 25322-69-4 EC No.: 500-039-8 REACH: Index No.:	5-10%	Acute Tox. 4, H302	
Dimethyl ether	CAS No.: 115-10-6 EC No.: 204-065-8 REACH: 01-2119472128-37-xxxx Index No.: 603-019-00-8	5-10%	Flam. Gas 1A, H220 Press. Gas (Comp.) H280	[1]
Reaction products of	CAS No.: 1244733-77-4	3-5%	Acute Tox. 4, H302	

phosphoryl trichloride and 2-methyloxirane	EC No.: 807-935-0 REACH: 01-2119486772-26-XXXX Index No.:		
propane	CAS No.: 74-98-6 EC No.: 200-827-9 REACH: Index No.: 601-003-00-5	3-5%	Flam. Gas 1A, H220 Press. Gas (Comp.) H280

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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 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

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

#### 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

Given that it does not present and hazard gas supplies shall be disrupted immediately. Removal of pressurized containers or attempting to cool with water shall be entrusted the fire brigade.

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 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

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

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

Because of the danger of self-ignition, any waste from the product, spray mist and soiled rags etc. are to be kept in a fire-proof place in air-tight containers, alternatively the waste is to be burned.

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

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

Pressurized gas packs (spray cans, aerosol cans) must be stored behind a wire mesh, which allows gases to escape and holds back packs flying around.

##### Recommended storage material

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

##### 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

—  
 Dimethyl ether  
 Long term exposure limit (8 hours) (ppm): 400  
 Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 766  
 Short term exposure limit (15 minutes) (ppm): 500  
 Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 958

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/substance	Alkanes, C14-17, chloro
DNEL	47,9 mg/kg
Route of exposure	Dermal
Duration	Long term – Systemic effects - Workers

Product/substance	Alkanes, C14-17, chloro
DNEL	6,7 mg/m <sup>3</sup>
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers

Product/substance	Alkanes, C14-17, chloro
DNEL	0,58 mg/kg
Route of exposure	Oral
Duration	Long term – Systemic effects - General population

Product/substance	Alkanes, C14-17, chloro
DNEL	28,75 mg/kg
Route of exposure	Dermal
Duration	Long term – Systemic effects - General population

Product/substance	Alkanes, C14-17, chloro
DNEL	2 mg/m <sup>3</sup>
Route of exposure	Inhalation
Duration	Long term – Systemic effects - General population

Product/substance	Propane-1,2-diol, propoxylated
DNEL	84 mg/kg
Route of exposure	Dermal
Duration	Long term – Systemic effects - Workers

Product/substance	Propane-1,2-diol, propoxylated
DNEL	24 mg/kg
Route of exposure	Oral

Duration Long term – Systemic effects - General population

Product/substance Propane-1,2-diol, propoxylated  
 DNEL 51 mg/kg  
 Route of exposure Dermal  
 Duration Long term – Systemic effects - General population

Product/substance Dimethyl ether  
 DNEL 1894 mg/m<sup>3</sup>  
 Route of exposure Inhalation  
 Duration Long term – Systemic effects - Workers

Product/substance Dimethyl ether  
 DNEL 471 mg/m<sup>3</sup>  
 Route of exposure Inhalation  
 Duration Long term – Systemic effects - General population

▼ PNEC

Product/substance Alkanes, C14-17, chloro  
 PNEC 80 mg/l  
 Route of exposure Sewage treatment plant  
 Duration of Exposure

Product/substance Alkanes, C14-17, chloro  
 PNEC 11,9 mg/kg  
 Route of exposure Soil  
 Duration of Exposure

Product/substance Alkanes, C14-17, chloro  
 PNEC 0,001 mg/l  
 Route of exposure Freshwater  
 Duration of Exposure

Product/substance Alkanes, C14-17, chloro  
 PNEC 0,0002 mg/l  
 Route of exposure Marine water  
 Duration of Exposure

Product/substance Alkanes, C14-17, chloro  
 PNEC 13 mg/kg  
 Route of exposure Freshwater sediment  
 Duration of Exposure

Product/substance Alkanes, C14-17, chloro  
 PNEC 2,6 mg/kg  
 Route of exposure Marine water sediment  
 Duration of Exposure

Product/substance Propane-1,2-diol, propoxylated  
 PNEC 100 mg/l  
 Route of exposure Sewage treatment plant

Duration of Exposure

Product/substance Propane-1,2-diol, propoxylated  
 PNEC 0,109 mg/kg  
 Route of exposure Soil  
 Duration of Exposure

Product/substance Propane-1,2-diol, propoxylated  
 PNEC 1 mg/l  
 Route of exposure Intermittent release  
 Duration of Exposure

Product/substance Propane-1,2-diol, propoxylated  
 PNEC 0,1 mg/l  
 Route of exposure Freshwater  
 Duration of Exposure

Product/substance Propane-1,2-diol, propoxylated  
 PNEC 0,01 mg/l  
 Route of exposure Marine water  
 Duration of Exposure

Product/substance Propane-1,2-diol, propoxylated  
 PNEC 0,765 mg/kg  
 Route of exposure Freshwater sediment  
 Duration of Exposure

Product/substance Propane-1,2-diol, propoxylated  
 PNEC 0,0765 mg/kg  
 Route of exposure Marine water sediment  
 Duration of Exposure

Product/substance Dimethyl ether  
 PNEC 160 mg/l  
 Route of exposure Sewage treatment plant  
 Duration of Exposure

Product/substance Dimethyl ether  
 PNEC 0,045 mg/kg  
 Route of exposure Soil  
 Duration of Exposure

Product/substance Dimethyl ether  
 PNEC 1,549 mg/l  
 Route of exposure Intermittent release  
 Duration of Exposure

Product/substance Dimethyl ether  
 PNEC 0,155 mg/l  
 Route of exposure Freshwater  
 Duration of Exposure



Product/substance	Dimethyl ether
PNEC	0,016 mg/l
Route of exposure	Marine water
Duration of Exposure	

Product/substance	Dimethyl ether
PNEC	0,681 mg/kg
Route of exposure	Freshwater sediment
Duration of Exposure	

Product/substance	Dimethyl ether
PNEC	0,069 mg/kg
Route of exposure	Marine water sediment
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

Adequate ventilation must be ensured for all gases. Where natural ventilation is not possible (cellar rooms), artificial ventilation must be installed. It is advantageous to store it in a lattice shed outdoors, as ventilation is no longer necessary in this case.

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	Work situation	Type	Class	Colour	Standards	
In case of insufficient ventilation and short term use	AX	-	Brown	EN141		
In case of intensive or longer exposure	Powered fresh air hose breathing apparatus					


## 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	0.5	>480	EN374-2, EN388	

### 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

Aerosol

#### Colour

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

#### Odour / Odour threshold

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

#### pH

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

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

0.97 (23.00 °C)

#### Kinematic viscosity

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

#### Particle characteristics

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

#### 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 aerosols.

##### Boiling point (°C)

-12 °C

##### 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)

-83.00 °C

Ignition (°C)

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

Auto flammability (°C)

460 °C

Lower and upper explosion limit (% v/v)

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

Solubility

Solubility in water

Insoluble

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

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	Diphenyl methane diisocyanate, isomers and homologues
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	>2000 mg/kg ·
Other information	

Product/substance	Diphenyl methane diisocyanate, isomers and homologues
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	490 mg/m <sup>3</sup> , 4h ·
Other information	

Skin corrosion/irritation

Causes skin irritation.

**Serious eye damage/irritation**

Causes serious eye irritation.

**Respiratory sensitisation**

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

**Skin sensitisation**

May cause an allergic skin reaction.

**Germ cell mutagenicity**

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

**Carcinogenicity**

Suspected of causing cancer.

**▼ Reproductive toxicity**

May cause harm to breast-fed children.

**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. The product contains a substance / substances, which may cause harm to breast-fed children.

**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**

Diphenyl methane diisocyanate, isomers and homologues has been classified by IARC as a group 3 carcinogen.

**SECTION 12: Ecological information**

**12.1. Toxicity**

Product/substance	Diphenyl methane diisocyanate, isomers and homologues
Test method	
Species	Daphnia
Compartment	
Duration	24 hours
Test	EC50
Result	>1000 mg/l ·
Other information	

Product/substance	Diphenyl methane diisocyanate, isomers and homologues
Test method	
Species	
Compartment	
Duration	3 hours
Test	EC50
Result	>100 mg/l ·
Other information	

**12.2. Persistence and degradability**

No data available

### 12.3. Bioaccumulative potential

No data available

### 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 3 - Flammable

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

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

16 05 04\* Gases in pressure containers (including halons) containing dangerous substances

### 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	Packing group	Tunnel restriction code
1950	AEROSOLS, flammable	2.1		2 (D)

### ▼ IMDG

UN- or ID number	UN proper shipping name	Labels	Packing group	EmS
1950	AEROSOLS, flammable	2.1		F-D, S-U

### MARINE POLLUTANT

Yes

### ▼ IATA

UN- or ID number	UN proper shipping name	Labels	Packing group
1950	AEROSOLS, flammable	2.1	

#### ▼ 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

P3a - FLAMMABLE AEROSOLS, Qualifying quantity (lower-tier): 150 tonnes (net) / (upper-tier): 500 tonnes (net)

##### 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.

The Aerosol Dispensers Regulations 2009 No. 2824, amended in 2014 (No. 1130) and in 2018 (No. 29)

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

EUH066, Repeated exposure may cause skin dryness or cracking.

H220, Extremely flammable gas.

H280, Contains gas under pressure; may explode if heated.

H302, Harmful if swallowed.

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.

H362, May cause harm to breast-fed children.

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

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  
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 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.

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