SAFETY DATA SHEET

RaxFoam

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

1.1. Product identifier

Trade name
RaxFoam

Product no.
10547

Unique formula identifier (UFI)
5UC5-5WM4-XQ8F-C985

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

Use descriptors (UK REACH)

Sectors of use	**Description**
LCS "C"	Consumer uses: Private households (= general public = consumers)
LCS "PW"	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
Product category	**Description**
PC 1	Adhesives, Sealants
Process category	**Description**
PROC 10	Roller application or brushing
Environmental release category	**Description**
ERC 8a	Wide dispersive indoor use of processing aids in open systems
ERC 8c	Wide dispersive indoor use resulting in inclusion into or onto a matrix
ERC 8d	Wide dispersive outdoor use of processing aids in open systems
ERC 8f	Wide dispersive outdoor use resulting in inclusion into or onto a matrix

Uses advised against
None known.

1.3. Details of the supplier of the safety data sheet

Company and address
Raxit Seals ApS
C/O Celtic House Gaerwen Industrial Estate
LL60 6HR Gaerwen, Gwynedd
England
Tel.: +45 53 83 86 18
www.raxit.dk

Contact person
Henrik Frimand

E-mail
info@raxit.dk

Revision
23/05/2025

SDS Version
3.0

Date of previous version
03/02/2025 (2.0)

1.4. Emergency telephone number

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour

service)
General public:
England - Dial 111 to reach NHS 111 (24 hour service)
Scotland - Dial 112 to reach NHS 24 (24 hour service)
Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour 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.
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.
Lact. H362, May cause harm to breast-fed children.
STOT RE 2; H373, May cause damage to organs through prolonged or repeated exposure. (Lung) (Inhalation)
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)
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 harm to breast-fed children. (H362)
May cause damage to organs through prolonged or repeated exposure. (Lung) (Inhalation) (H373)
May cause long lasting harmful effects to aquatic life. (H413)

Precautionary 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 no expose to temperatures exceeding 50 °C/122°F. (P410+P412)

Disposal

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

Hazardous substances

Diphenyl methane diisocyanate, isomers and homologues

Alkanes, C14-17, chloro
1,2-dichlorobenzene

Additional labelling

EUH204, Contains isocyanates. May produce an allergic reaction.
As from 24 August 2023 adequate training is required before industrial or professional use.

UFI: 5UC5-5WM4-XQ8F-C985
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.

2.3. Other hazards

Additional warnings

In the event of leaks, high concentrations of gases can quickly form. They can be toxic, asphyxiating, or explosive.
This product contains a vPvB and/or PBT substance:
Alkanes, C14-17, chloro (PBT)
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) 2023/707.

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
Diphenyl methane diisocyanate, isomers and homologues	CAS No.: 9016-87-9 EC No.: 618-498-9 UK-REACH: Index No.:	30-<50%	Skin Irrit. 2, H315 (SCL: 5.00 %) Skin Sens. 1, H317 Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 Resp. Sens. 1, H334 (SCL: 0.10 %) STOT SE 3, H335 (SCL: 5.00 %) Carc. 2, H351 STOT RE 2, H373 (Lung) (Inhalation)	[3]
Alkanes, C14-17, chloro	CAS No.: 85535-85-9 EC No.: 287-477-0 UK-REACH: Index No.: 602-095-00-X	10-<20%	EUH066 Lact. H362 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	[5], [6]
isobutane	CAS No.: 75-28-5 EC No.: 200-857-2 UK-REACH: Index No.: 601-004-00-0	5-<10%	Flam. Gas 1A, H220 Press. Gas (Comp.) H280	
propane-1,2-diol, propoxylated	CAS No.: 25322-69-4 EC No.: 500-039-8 UK-REACH: Index No.:	5-<10%	Acute Tox. 4, H302	
propane	CAS No.: 74-98-6 EC No.: 200-827-9 UK-REACH: Index No.: 601-003-00-5	2,5-<10%	Flam. Gas 1A, H220 Press. Gas (Comp.) H280	
glycerol, propoxylated	CAS No.: 25791-96-2 EC No.: 500-044-5 UK-REACH: Index No.:	5-<10%	Acute Tox. 4, H302	

dimethyl ether	CAS No.: 115-10-6 EC No.: 204-065-8 UK-REACH: Index No.: 603-019-00-8	2,5-<10%	Flam. Gas 1A, H220 Press. Gas (Comp.) H280	[1]
1,2-dichlorobenzene	CAS No.: 95-50-1 EC No.: 202-425-9 UK-REACH: Index No.: 602-034-00-7	2,5-<5%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319 Acute Tox. 4, H332 STOT SE 3, H335 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	[1]
reaction products of phosphoryl trichloride and 2-methyloxirane	CAS No.: 1244733-77-4 EC No.: UK-REACH: Index No.:	2,5-<5%	Acute Tox. 4, H302 (ATE: 632.00 mg/kg) Carc. 2, H351 Aquatic Chronic 3, H412	

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.
[3] According to UK REACH, Annex XVII, the substance is subject to restrictions.
[5] Substance is included in the Candidate List of substances of very high concern (SVHC).
[6] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

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

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

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.

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

Extremely flammable aerosol. Pressurised container. In a fire or if heated, a pressure increase will occur and the container may burst.
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:
Halogenated compounds
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.
Hazchem Code: None

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Accidental releases always pose a serious risk of fire or explosion.
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.
Ensure adequate ventilation, especially in confined areas.
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

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

Do not spray on an open flame or other ignition source.
Do not pierce or burn, even after use.
Avoid direct contact with the product.
Avoid contact during pregnancy and while nursing.
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 conditions

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^3): 766
Short term exposure limit (15 minutes) (ppm): 500
Short term exposure limit (15 minutes) (mg/m^3): 958

1,2-dichlorobenzene
Long term exposure limit (8 hours) (ppm): 25
Long term exposure limit (8 hours) (mg/m^3): 153
Short term exposure limit (15 minutes) (ppm): 50
Short term exposure limit (15 minutes) (mg/m^3): 306
Annotations:
Sk = Can be absorbed through the skin and lead to systemic toxicity.

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

1,2-dichlorobenzene

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	600 µg/kg bw/day
Long term – Systemic effects - Workers	Dermal	1.2 mg/kg bw/day
Short term – Systemic effects - General population	Dermal	3 mg/kg bw/day
Short term – Systemic effects - Workers	Dermal	6 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1 mg/m^3
Long term – Systemic effects - Workers	Inhalation	4.2 mg/m^3
Short term – Systemic effects - General population	Inhalation	5 mg/m^3
Short term – Systemic effects - Workers	Inhalation	21 mg/m^3
Long term – Systemic effects - General population	Oral	600 µg/kg bw/day
Short term – Systemic effects - General population	Oral	3 mg/kg bw/day

Alkanes, C14-17, chloro

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	28,75 mg/kg
Long term – Systemic effects - Workers	Dermal	47,9 mg/kg
Long term – Systemic effects - General population	Inhalation	2 mg/m3
Long term – Systemic effects - Workers	Inhalation	6,7 mg/m3
Long term – Systemic effects - General population	Oral	0,58 mg/kg

dimethyl ether

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Inhalation	471 mg/m3
Long term – Systemic effects - Workers	Inhalation	1894 mg/m3

Diphenyl methane diisocyanate, isomers and homologues

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	0,025 mg/m³
Long term – Local effects - Workers	Inhalation	0,05 mg/m³
Short term – Local effects - General population	Inhalation	0,05 mg/m³
Short term – Local effects - Workers	Inhalation	0,1 mg/m³

propane-1,2-diol, propoxylated

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	51 mg/kg
Long term – Systemic effects - Workers	Dermal	84 mg/kg
Long term – Systemic effects - General population	Oral	24 mg/kg

reaction products of phosphoryl trichloride and 2-methyloxirane

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	1,04 mg/kg
Long term – Systemic effects - Workers	Dermal	2,91 mg/kg
Long term – Systemic effects - General population	Inhalation	1,45 mg/m³
Long term – Systemic effects - Workers	Inhalation	8,2 mg/m³
Long term – Systemic effects - General population	Oral	0,52 mg/kg
Short term – Systemic effects - General population	Oral	2 mg/kg

PNEC

1,2-dichlorobenzene

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		3.7 µg/L
Freshwater sediment		177 µg/kg
Marine water		370 ng/L
Marine water sediment		17.7 µg/kg
Predators		5.56 mg/kg
Sewage treatment plant		4.7 mg/L
Soil		33.3 µg/kg

Alkanes, C14-17, chloro

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,001 mg/l
Freshwater sediment		13 mg/kg
Marine water		0,0002 mg/l
Marine water sediment		2,6 mg/kg
Sewage treatment plant		80 mg/l
Soil		11,9 mg/kg

dimethyl ether

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,155 mg/l
Freshwater sediment		0,681 mg/kg
Intermittent release		1,549 mg/l
Marine water		0,016 mg/l
Marine water sediment		0,069 mg/kg
Sewage treatment plant		160 mg/l
Soil		0,045 mg/kg

Diphenyl methane diisocyanate, isomers and homologues

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		1 mg/L
Intermittent release		10 mg/L
Marine water		0,1 mg/L
Sewage treatment plant		1 mg/L
Soil		1 mg/kg

propane-1,2-diol, propoxylated

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,1 mg/l
Freshwater sediment		0,765 mg/kg
Intermittent release		1 mg/l
Marine water		0,01 mg/l
Marine water sediment		0,0765 mg/kg
Sewage treatment plant		100 mg/l
Soil		0,109 mg/kg

reaction products of phosphoryl trichloride and 2-methyloxirane

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,32 mg/L
Freshwater sediment		11,5 mg/kg
Marine water		0,032 mg/L
Marine water sediment		1,15 mg/kg
Sewage treatment plant		19,1 mg/L
Soil		0,34 mg/kg

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

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

Provide adequate general and local exhaust ventilation.

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 (e.g. type A1 according to standard EN 14387) is used.
Use only UKCA marked protective equipment.

Respiratory Equipment

Work situation	Type	Class	Colour	Standards
In case of insufficient ventilation and short term use	AX	-	Brown	EN141

Work situation	Type	Class	Colour	Standards
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.	-	-

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
Orange

▼Odour / Odour threshold
No data available.

▼pH
No data available.

Density (g/cm^3)
0.973 (20 °C)

▼Kinematic viscosity
No data available.

▼Particle characteristics
No data available.

Phase changes

▼Melting point/Freezing point (°C)
No data available.

Softening point/range (°C)
Does not apply to aerosols.

Boiling point (°C)
-42

Vapour pressure
<300.000 Pa (50 °C)

▼Relative vapour density
No data available.

▼Decomposition temperature (°C)
No data available.

Data on fire and explosion hazards

Flash point (°C)
-83

Flammability (°C)

The material is ignitable.

Auto-ignition temperature (°C)

410

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

No data available.

Solubility

Solubility in water

Insoluble

▼n-octanol/water coefficient (LogKow)

No data available.

▼Solubility in fat (g/L)

No data available.

9.2. Other information

▼Oxidizing properties

No data available.

Other physical and chemical parameters

No data available.

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

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

Acute toxicity

Product/substance	Diphenyl methane diisocyanate, isomers and homologues
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg ·

Product/substance	Diphenyl methane diisocyanate, isomers and homologues
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	490 mg/m3, 4h ·

Product/substance	isobutane
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50 (4 hours)
Result:	>5 mg/L

Product/substance	isobutane
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	isobutane
Test:	LD50
Result:	>2000 mg/kg

Product/substance	propane
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg

Product/substance	propane
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	propane
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50 (4 hours)
Result:	>20 mg/L

Product/substance	dimethyl ether
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg

Product/substance	dimethyl ether
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	dimethyl ether
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50 (4 hours)
Result:	308,5 mg/L

Product/substance	1,2-dichlorobenzene
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Product/substance	1,2-dichlorobenzene
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	1,2-dichlorobenzene
Species:	Rat
Test:	LC50
Result:	10,25 mg/L

Product/substance	reaction products of phosphoryl trichloride and 2-methyloxirane
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	632 mg/kg

Product/substance	reaction products of phosphoryl trichloride and 2-methyloxirane
Species:	Rat
Route of exposure:	Inhalation

Test:	LC50
Result:	>20 mg/L

Harmful if inhaled.

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

Other information
Diphenyl methane diisocyanate, isomers and homologues has been classified by IARC as a group 3 carcinogen.
1,2-dichlorobenzene 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
Species:	Daphnia
Duration:	24 hours
Test:	EC50
Result:	>1000 mg/l ·

Product/substance	Diphenyl methane diisocyanate, isomers and homologues
Duration:	3 hours
Test:	EC50
Result:	>100 mg/l ·

Product/substance	1,2-dichlorobenzene
Species:	Fish, Oncorhynchus mykiss
Duration:	96 hours
Test:	LC50
Result:	1,56 mg/L

Product/substance	1,2-dichlorobenzene
Species:	Crustacean
Duration:	48 hours
Test:	EC50

Result: 0,66 mg/L

May cause long lasting harmful effects to aquatic life.

12.2. Persistence and degradability

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

12.3. Bioaccumulative potential

Product/substance: isobutane
BCF: 27
LogKow: 2,76
Conclusion: Potential for bioaccumulation is low

Product/substance: propane
BCF: 13
LogKow: 2,86
Conclusion: Potential for bioaccumulation is low

Product/substance: 1,2-dichlorobenzene
BCF: 150
Conclusion: High potential for bioaccumulation

12.4. Mobility in soil

1,2-dichlorobenzene
LogKoc = 2.65, Moderate mobility potential.

12.5. Results of PBT and vPvB assessment

This product contains a vPvB and/or PBT substance:
Alkanes, C14-17, chloro (PBT)

12.6. Endocrine disrupting properties

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

12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.
This product contains substances, which may cause adverse long-term effects to the aquatic environment.

SECTION 13: Disposal considerations

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
Dispose of contents/container to an approved waste disposal plant.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code

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

Specific labelling

Contaminated packing

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

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	1950	AEROSOLS, flammable	Transport hazard class: 2 Label: 2.1 Classification code: 5F	-	No	Limited quantities: 1 L Tunnel

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
						restriction code: 2 (D) See below for additional information.
IMDG	1950	AEROSOLS, flammable	Transport hazard class: 2 Label: 2.1 Classification code: 5F	-	No	Limited quantities: 1 L EmS: F-D S-U See below for additional information.
IATA	1950	AEROSOLS, flammable	Transport hazard class: 2 Label: 2.1 Classification code: 5F	-	No	See below for additional information.

* Packing group

** Environmental hazards

Additional information

This product is within scope of the regulations of transport of dangerous goods.
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.
Hazchem Code: None

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.

Control of Major Accident Hazards (COMAH) - Categories / dangerous substances

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

UK-REACH, Annex XVII

Diphenyl methane diisocyanate, isomers and homologues is subject to restrictions, UK-REACH annex XVII (entry 74).
isobutane is subject to UK-REACH restrictions (entry 40).
propane is subject to UK-REACH restrictions (entry 40).
dimethyl ether is subject to UK-REACH restrictions (entry 40).

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 as retained and amended in UK law.
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.
Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

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. (Lung) (Inhalation)
H400, Very toxic to aquatic life.
H410, Very toxic to aquatic life with long lasting effects.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

LCS "C" = Consumer uses: Private households (= general public = consumers)
LCS "PW" = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
PROC 10 = Roller application or brushing
PC 1 = Adhesives, Sealants
ERC 8a = Wide dispersive indoor use of processing aids in open systems
ERC 8c = Wide dispersive indoor use resulting in inclusion into or onto a matrix
ERC 8d = Wide dispersive outdoor use of processing aids in open systems
ERC 8f = Wide dispersive outdoor use resulting in inclusion into or onto a matrix

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
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 substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.
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) as retained and amended in UK law.
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 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