

SAFETY DATA SHEET

Pro-Bond Foaming

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

1.1. Product identifier

Trade name

Pro-Bond Foaming

▼ Product no.

ACBOF075V2.0

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

Relevant identified uses of the substance or mixture

Industrial purposes

Use descriptors (UK REACH)

Sectors of use	Description
SU 19	Building and construction work

Product category	Description
PC1	Adhesives, Sealants

Process category	Description
PROC7	Industrial spraying

Uses advised against

Sectors of use	Description
LCS "C"	Consumer uses: Private households (= general public = consumers)

Process category	Description
PROC10	Roller application or brushing

1.3. Details of the supplier of the safety data sheet

Company and address

Proteus Waterproofing Ltd

21a Sirdar Road, Brook Road Industrial Estate

SS6 7XF Rayleigh, Essex

England

+44 (0) 1268 777871 Office Mon-Fri 08:30-17:00 outside of these hours call emergency numbers

www.proteuswaterproofing.co.uk

E-mail

enquiries@proteuswaterproofing.co.uk

Revision

14/11/2022

SDS Version

2.0

Date of previous version

14/11/2022 (1.0)

1.4. Emergency telephone number

In emergency call +44 (0) 1865 407 333

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.

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.

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

Safety statement(s)

▼ General

-

▼ Prevention

Do not handle until all safety precautions have been read and understood. (P202)
 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)
 Do not breathe vapour/mist. (P260)
 Wash hands thoroughly after handling. (P264)
 Use only outdoors or in a well-ventilated area. (P271)
 Contaminated work clothing should not be allowed out of the workplace. (P272)
 Wear eye protection/protective gloves/protective clothing. (P280)
 [In case of inadequate ventilation] wear respiratory protection. (P284)

Response

IF INHALED: Remove person to fresh air and keep comfortable for breathing. (P304+P340)
 IF exposed or concerned: Get medical advice/attention. (P308+P313)
 Call a POISON CENTER/doctor if you feel unwell. (P312)
 Get medical advice/attention if you feel unwell. (P314)
 If skin irritation or rash occurs: Get medical advice/attention. (P333+P313)
 If eye irritation persists: Get medical advice/attention. (P337+P313)
 If experiencing respiratory symptoms: Call a POISON CENTER/doctor (P342+P311)
 Take off contaminated clothing and wash it before reuse. (P362+P364)

Storage

Store in a well-ventilated place. Keep container tightly closed. (P403+P233)
 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

POLYMETHYLENEPOLYPHENYLENE ISOCYANATE-POLYPROPYLENE GLYCOL COPOLYMER
 Polymeric diphenylmethane diisocyanate
 Tris (1-chloro-2-propyl) phosphate
 4,4'-methylenediphenyl diisocyanate
 isobutane (containing ≥ 0,1 % butadiene (203-450-8));butane (containing ≥ 0,1 % butadiene (203-450-8))
 dimethyl ether
 propane
 N,N'-Dimorpholinodiethylether
 o-(p-isocyanatobenzyl)phenyl isocyanate

Additional labelling

EUH204, Contains isocyanates. May produce an allergic reaction.
 EUH401, To avoid risks to human health and the environment, comply with the instructions for use.

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

2.3. Other hazards

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.

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.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
POLYMETHYLENEPOLYPHENYLENE ISOCYANATE-POLYPROPYLENE GLYCOL COPOLYMER	CAS No.: 53862-89-8 EC No.: 670-234-1 UK-REACH: Index No.:	60-80%	Skin Sens. 1, H317 Resp. Sens. 1, H334	
Polymeric diphenylmethane diisocyanate	CAS No.: 9016-87-9 EC No.: 618-498-9 UK-REACH: Index No.:	25-40%	EUH204 Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Acute Tox. 4, H332 (ATE: 1000.00 ppmV) Acute Tox. 4, H332 Resp. Sens. 1, H334 STOT SE 3, H335 Carc. 2, H351 STOT RE 2, H373 (Inhalation)	
4,4'-methylenediphenyl diisocyanate	CAS No.: 101-68-8 EC No.: 202-966-0 UK-REACH: Index No.: 615-005-00-9	10-15%	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 (SCL: 5.00 %) Resp. Sens. 1, H334 (SCL: 0.10 %) STOT SE 3, H335 (SCL: 5.00 %) Carc. 2, H351 STOT RE 2, H373	
Tris (1-chloro-2-propyl) phosphate	CAS No.: 13674-84-5 EC No.: 237-158-7 UK-REACH: Index No.:	10-15%	Acute Tox. 4, H302 (ATE: 1000.00 mg/kg)	
isobutane (containing ≥ 0,1 % butadiene (203-450-8));butane (containing ≥ 0,1 % butadiene (203-450-8))	CAS No.: 75-28-5 EC No.: 200-857-2 UK-REACH: Index No.: 601-004-01-8	5-10%	Flam. Gas 1A, H220 Press. Gas (Liq.) , H280	
dimethyl ether	CAS No.: 115-10-6 EC No.: 204-065-8 UK-REACH: Index No.: 603-019-00-8	5-10%	Flam. Gas 1A, H220 Press. Gas (Comp.) H280	
propane	CAS No.: 74-98-6 EC No.: 200-827-9 UK-REACH: Index No.: 601-003-00-5	3-5%	Flam. Gas 1A, H220 Press. Gas (Comp.) H280	
N,N'-Dimorpholinodiethylether	CAS No.: 6425-39-4 EC No.: 229-194-7 UK-REACH: Index No.:	1-3%	Eye Irrit. 2, H319	
o-(p-isocyanatobenzyl)phenyl isocyanate	CAS No.: 5873-54-1 EC No.: 227-534-9	<1%	Skin Irrit. 2, H315 (SCL: 5.00 %) Skin Sens. 1, H317	[3]

UK-REACH: Index No.: 615-005-00-9	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 (Respiratory tract) (Oral, Inhalation)
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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

[3] According to UK REACH, Annex XVII, the substance is subject to restrictions.

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.

4.3. Indication of any immediate medical attention and special treatment needed

IF exposed or concerned:

Get immediate medical advice/attention.

If skin irritation or rash occurs: Get medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

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
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.

Hazchem Code: None

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

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.

Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials 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

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.

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

Keep only in original packaging.

Aerosol, do not expose to heat, naked flame or dispose of in fires, risk of explosion!

Storage temperature

Container's, even those that have been emptied, may contain explosive vapours.

DO NOT cut, drill, grind, weld or perform similar operations on or near containers

Storage temperature 5° - 50°c. Shelf life 24 months

Ensure good ventilation and/or extraction at the workplace

Do not breathe vapours or spray mist.

DO NOT store with isocyanates

Store away from incompatibles

Incompatible materials

Keep away from food for human consumption and animal feeds.

Strong acids

Alcohol

Amines

Bases

Strong oxidizing agents

Incompatible with isocyanate

Aerosol, do not expose to heat, naked flame or dispose of in fires, risk of explosion!

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/m³): 766

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

Short term exposure limit (15 minutes) (mg/m³): 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

4,4'-methylenediphenyl diisocyanate

Duration	Route of exposure	DNEL
Long term – Local effects - Workers	Inhalation	50 µg/m ³
Short term – Local effects - Workers	Inhalation	100 µg/m ³

dimethyl ether

Duration	Route of exposure	DNEL
Long term – Systemic effects - Workers	Inhalation	1894 mg/m ³

N,N'-Dimorpholinodiethylether

Duration	Route of exposure	DNEL
Long term – Systemic effects - Workers	Dermal	1 mg/kg bw/day
Long term – Systemic effects - Workers	Inhalation	7.28 mg/m ³

o-(p-isocyanatobenzyl)phenyl isocyanate

Duration	Route of exposure	DNEL
Long term – Local effects - Workers	Inhalation	50 µg/m ³
Short term – Local effects - Workers	Inhalation	100 µg/m ³

Tris (1-chloro-2-propyl) phosphate

Duration	Route of exposure	DNEL
Long term – Systemic effects - Workers	Dermal	2.08 mg/kg bw/day
Short term – Systemic effects - Workers	Dermal	2.08 mg/kg bw/day
Long term – Systemic effects - Workers	Inhalation	5.82 mg/m ³
Short term – Systemic effects - Workers	Inhalation	5.82 mg/m ³

PNEC

4,4'-methylenediphenyl diisocyanate

Route of exposure	Duration of Exposure	PNEC
Freshwater		3.7 µg/L
Freshwater sediment		11.7 mg/kg
Intermittent release (freshwater)		37 µg/L
Marine water		370 ng/L
Marine water sediment		1.17 mg/kg
Soil		2.33 mg/kg

dimethyl ether

Route of exposure	Duration of Exposure	PNEC
Freshwater		155 µg/L
Freshwater sediment		681 µg/kg
Intermittent release (freshwater)		1.549 mg/L
Marine water		16 µg/L

Compiled in accordance with REACH Regulation (EC) No 1907/2006, as retained and amended in UK law

Marine water sediment	69 µg/kg
Sewage treatment plant	160 mg/L
Soil	45 µg/kg

N,N'-Dimorpholinodiethylether

Route of exposure	Duration of Exposure	PNEC
Freshwater		100 µg/L
Freshwater sediment		8.2 mg/kg
Intermittent release (freshwater)		1 mg/L
Marine water		10 µg/L
Marine water sediment		820 µg/kg
Predators		10 mg/kg
Sewage treatment plant		100 mg/L
Soil		1.58 mg/kg

o-(p-isocyanatobenzyl)phenyl isocyanate

Route of exposure	Duration of Exposure	PNEC
Freshwater		3.7 µg/L
Freshwater sediment		11.7 mg/kg
Intermittent release (freshwater)		37 µg/L
Marine water		370 ng/L
Marine water sediment		1.17 mg/kg
Soil		2.33 mg/kg

Tris (1-chloro-2-propyl) phosphate

Route of exposure	Duration of Exposure	PNEC
Freshwater		420-640 µg/L
Freshwater sediment		2.92-2.96 mg/kg
Intermittent release (freshwater)		510 µg/L
Marine water		64-420 µg/L
Marine water sediment		290-2960 µg/kg
Predators		11600 g/kg
Sewage treatment plant		7.84 mg/L
Soil		1.33-1.7 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

Keep damming materials near the workplace. If possible, collect spillage during work.

8.3. Individual protection measures, such as personal protective equipment

Generally



Use only UKCA marked protective equipment.

Respiratory Equipment

Compiled in accordance with REACH Regulation (EC) No 1907/2006, as retained and amended in UK law

Work situation	Type	Class	Colour	Standards
Use an organic vapour cartridge with a high toxic particulate pre-filter, type AP3 (meeting standard EN14387) should be considered as the minimum standard. Where atmospheric levels exceed exposure guidelines use a positive-pressure air-supplying respirator.	Suitable respiratory protection advice for the correct personal selection can be obtained from EN529:2005			



Skin protection

Work situation	Recommended	Type/Category	Standards	
Contaminated workwear MUST NOT leave site or be washed in household laundry	Dedicated work clothing should be worn. Wear a protective suit in the event of prolonged periods of work with the product.	-	-	
Discard items which cannot be decontaminated, including leather shoes, boots, belts, watch straps, gloves etc.	Contaminated garments should be removed promptly and should not be reused until they have been decontaminated, do NOT allow garments to be decontaminated/cleaned in household laundry			

Hand protection

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
In the event of short termed exposure or low concentrations	Consider the following when selecting work gloves, material, compatibility, degradation, failure time, permeability. The gloves resistance to chemicals should be checked prior to use, wear time depends on duration and type of use.			
Isocyanate vapour may be absorbed into skin cream and this increases hazard.	Do NOT use skin cream unless necessary, and then only use minimum amount.			

Eye protection

Work situation	Type	Standards	
Ensure goggles are a suitably tight fit	Safety Goggles	EN166:2001	
	Safety glasses with side shields.	EN166	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Foam

Colour

Yellow

Odour / Odour threshold

Characteristic (Odour threshold: 0.4 ppm)

pH

No data available

Density (g/cm³)

No data available

Relative density

No data available

Kinematic viscosity

No data available

Particle characteristics

Not applicable - product is an aerosol

Phase changes

Melting point/Freezing point (°C)

Not applicable - product is an aerosol

Softening point/range (waxes and pastes) (°C)

Does not apply to liquids.

Boiling point (°C)

Not applicable - product is an aerosol

Vapour pressure

Not applicable - product is an aerosol

Relative vapour density

Not applicable - product is an aerosol

Decomposition temperature (°C)

Not applicable - product is an aerosol

Data on fire and explosion hazards

Flash point (°C)

Not applicable - product is highly flammable

Ignition (°C)

Not applicable - product is highly flammable

Auto flammability (°C)

Not applicable - product is highly flammable

Lower and upper explosion limit (% v/v)

Not applicable

Solubility

Solubility in water

Insoluble

n-octanol/water coefficient

No data available

Solubility in fat (g/L)

No data available

9.2. Other information

Evaporation rate (n-butylacetate = 100)

Not applicable - product is an aerosol

Other physical and chemical parameters

Odour is inadequate warning of excessive exposure

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.

10.5. Incompatible materials

Keep away from food for human consumption and animal feeds.

Strong acids

Alcohol

Amines

Bases

Strong oxidizing agents

Incompatible with isocyanate

Aerosol, do not expose to heat, naked flame or dispose of in fires, risk of explosion!

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 as retained and amended in UK law

Acute toxicity

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.

Asthma like symptoms may continue for months or even years after exposure to the material ends. This may be due to a non-allergic condition known as reactive airways dysfunction syndrome (RADS) which can occur after exposure to high levels of highly irritating compound. Main criteria for diagnosing RADS include the absence of previous airways disease in a non-atopic individual, with a sudden onset of persistent asthma like symptoms within minutes or hours of a documented exposure to the irritant.

The material can cause respiratory irritation in some persons. The body's response to such irritation can cause further lung damage.

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

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

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

None known.

Other information

None known.

SECTION 12: Ecological information

12.1. Toxicity

No data available.

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

None known.

12.7. Other adverse effects

None known.

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

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 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es) Labels: 2.1 Classification code: 5F	14.4 PG*	14.5 Env**	Other information
ADR	UN1950	AEROSOLS	Class: 2 Labels: 2.1 Classification code: 5F 	-	No	Limited quantities: 1 L Tunnel restriction code: (D) See below for additional information.
IMDG	UN1950	AEROSOLS	Class: 2 Labels: 2.1 Classification code: 5F 	-	No	Limited quantities: 1 L EmS: F-D S-U See below for additional information.
IATA	UN1950	AEROSOLS	Class: 2 Labels: 2.1 Classification code: 5F 	-	No	See below for additional information.

* Packing group

** Environmental hazards

Additional information

ADR / See Table A, Section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

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

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

Restricted to professional users.

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.

Must not be used by persons suffering from acrylic dermatitis.

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)

UK-REACH, Annex XVII

o-(p-isocyanatobenzyl)phenyl isocyanate is subject to restrictions, UK-REACH annex XVII (entry 74).

Additional information

Not applicable.

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

H204, Contains isocyanates. May produce an allergic reaction.

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.

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

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

H373, May cause damage to organs through prolonged or repeated exposure. (Respiratory tract) (Oral, Inhalation)

The full text of identified uses as mentioned in section 1

SU 19 = Building and construction work
PROC7 = Industrial spraying
PC1 = Adhesives, Sealants

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
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 mixture in regard to physical hazards has been based on experimental data.

▼ The safety data sheet is validated by

Steven D'Silva Quality Manager

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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