SAFETY DATA SHEET

PROTECTA FR FOAM

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

▼*Trade name:*	Protecta Polyurethane Foam
Product no.:	PRO166
Unique formula identifier (UFI):	UFI: YH00-A0QH-700V-T8EU

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

Relevant identified uses of the substance or mixture:	Foam Restricted to professional users.
Uses advised against :	None known.

1.3. Details of the supplier of the safety data sheet

Company and address:	**Polyseam Ltd.** 15 St Andrews Road HD1 6SB, UK Huddersfield United Kingdom +44 (0)1484 421 036 https://www.polyseam.com/
Manufacturer:	**Polyseam Ltd.** 15 St Andrews Road HD1 6SB, UK Huddersfield United Kingdom +44 (0)1484 421 036 https://www.polyseam.com/
E-mail:	post.uk@polyseam.com
Revision:	23/01/2024
SDS Version:	2.0
Date of previous version:	29/09/2023 (1.0)

1.4. Emergency telephone number

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

SECTION 2: HAZARDS IDENTIFICATION

2.1. ▼Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Aerosols, Category 1	H222: Extremely flammable aerosol. H229: Pressurised container: May burst if heated.

2.1.	Skin irritation, Category 2	H315: Causes skin irritation.
	Eye irritation, Category 2	H319: Causes serious eye irritation.
	Respiratory sensitisation, Category 1	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
	Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
	Carcinogenicity, Category 2	H351: Suspected of causing cancer.
	Specific target organ toxicity - single ex-posure, Category 3, Respiratory system	H335: May cause respiratory irritation.
	Specific target organ toxicity - repeated exposure, Category 2	H373: May cause damage to organs through pro-longed or repeated exposure if inhaled.

2.2. Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictogram(s):

Signal word: Danger

▼*Hazard statement(s):*

Extremely flammable aerosol. (H222)
Pressurised container: May burst if heated. (H229)
Causes skin irritation. (H315)
May cause an allergic skin. (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 damage to organs through prolonged or repeated exposure if inhaled. (H373)

Precautionary statement(s)

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

Keep out of reach of children. (P102)

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 dust or mist. (P260) Use only outdoors or in a well-ventilated area. (P271) Wear protective gloves/ protective clothing/ eye protection/ face protection. (P280)
Response:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. (P304 + P340 + P312) If experiencing respiratory symptoms: Call a POISON CENTER/ doctor. (P342 + P311)
Storage:	Store locked up. (P405) Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. (P410 + P412)
Disposal:	Dispose of contents/container in accordance with local regulation. (P501)

Hazardous components which must be listed on the label:
Reaction products of phosphoryl trichloride and methyloxirane
Diphenylmethanediisocyanate, isomeres and homologues.

Additional Labelling:
"As from 24 August 2023 adequate training is required before industrial or professional use."
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 stanard EN 14387) is used.

2.3 Other hazards:

▼ *Additional warnings*

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have en-docrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regula-tion (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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
Reaction products of phosphoryl trichloride and methyloxiran	CAS No.:1244733-77-4 EC No.: 807-935-0 Reg No: 01-2119486772-26-XXXX	>= 10 - < 20	Acute Tox. 4; H302 Carc. 2; H351 Aquatic Chronic 3; H412 --- Acute toxicity esti-mate Acute oral toxicity: 630 mg/kg
Diphenylmethanediisocyanate, isomeres and homologues	9016-87-9 Not Assigned	>= 10 - < 20	Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Resp. Sens. 1; H334 Skin Sens. 1; H317 Carc. 2; H351 STOT SE 3; H335 (Respiratory system) STOT RE 2; H373 --- specific concentration limit Eye Irrit. 2; H319 >= 5 % --- specific concentration limit Resp. Sens. 1; H334 >= 0,1 % --- specific concentration limit Skin Irrit. 2; H315 >= 5 % --- specific concentration limit STOT SE 3; H335 >= 5 %

Substances with a workplace exposure limit :

dimethyl ether	115-10-6 204-065-8 01-2119472128-37-XXXX	>= 10 - < 20	Flam. Gas 1A; H220
isobutane	75-28-5 200-857-2 01-2119485395-27-XXXX	>= 5 - < 10	Flam. Gas 1A; H220
propane	74-98-6 200-827-9 01-2119486944-21-XXXX	>= 2,5 - < 5	Flam. Gas 1A; H220

For explanation of abbreviations see section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:	In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.
Inhalation:	Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.
Skin contact:	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 with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and 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:	Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms:	Asthmatic appearance Cough Respiratory disorder Allergic reactions Excessive lachrymation Erythema Dermatitis See Section 11 for more detailed information on health effects and symptoms.

Risks	irritant effects sensitising effects Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure if inhaled.

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: Water spray jet, Dry powder, Carbon dioxide (CO2).
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:
Carbon oxides (CO / CO2), Carbon oxides (CO / CO2), Nitrogen oxides (NOx), Hydrogen cyanide (hydrocyanic acid) Chlorine compounds, Bromine compounds.

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

Remove flammable materials if conditions allow it. Ensure sufficient ventilation.
Avoid direct contact with spilled substances.
Contaminated areas may be slippery.

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.
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

Smoking, drinking and consumption of food is not allowed in the work area.
Avoid exceeding the given occupational exposure limits (see section 8).
Do not get in eyes, on skin, or on clothing.
For personal protection see section 8.
Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
Smoking, eating and drinking should be prohibited in the application area.
Take precautionary measures against static discharge.
Open drum carefully as content may be under pressure.
Follow standard hygiene measures when handling chemical products.

Advice on protection against fire and explosion

Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
Do not spray on a naked flame or any incandescent material. Take precautionary measures against electrostatic discharges.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.
When using do not eat or drink. When using do not smoke.
Wash hands before breaks and at the end of workday.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Requirements for storage areas and containers:	BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects. Store in original container. Keep container tightly closed in a dry and well-ventilated place. Observe label precautions. Store in accordance with local regulations

Storage class (TRGS 510)	2B
Further information on stor-age stability	No decomposition if stored and applied as directed.

7.3. Specific end use(s)

Cleaning with aprotic polar solvents must be avoided.
Consult most current local Product Data Sheet prior to any use.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational Exposure Limits

Components	CAS -No.	Value type (Form of exposure)	Control parameters*	Basis*
Diphenylmethanediisocyanate, isomeres and homologues	9016-87-9	AGW (Inhalable fraction)	0,05 mg/m3 (MDI)	DE TRGS 900
	Peak -limit: excursion factor (category) : 1;=2=(I)			
	Further information: Skin absorption, When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child, Substance sensitizing through the skin and respiratory system			
	Peak -limit: excursion factor (category) : 1; I			
	Further information : Danger of sensitization of the airways and the skin, Danger of absorption through the skin, Substances that cause cancer in humans or animals or that are considered to be carcinogenic fo r humans and for which a MAK value can be de-rived., Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed			
	Peak -limit: excursion factor (category): 1; I			
dimethyl ether	115-10-6	TWA	1.000 ppm 1.920 mg/m3	2000/39/EC
	Further information : Indicative			
		AGW	1.000 ppm 1.900 mg/m3	DE TRGS 900
	Peak-limit: excursion factor (category) 8;(II)			
	Further information : Senate commission for the review of com-pou nds at the work place dangerous for the health (MAK - commission)., European Union (The EU has established a limit value: deviations in value and peak limit are possible)			
	Peak -limit: excursion factor (category) : 8; II			
	Further information: Either there are no data for an assessment of damage to the embryo or foetus, including developmental neuro-toxicity, or the currently available data are not sufficient for classi-fication in one of the groups A - C			
isobutane	75-28-5	AGW	1.000 ppm 2.400 mg/m3	DE TRGS 900
	Peak -limit: excursion factor (category) : 4;(II)			
	Peak -limit: excursion factor (category) : 4; II			

	Further information: Either there are no data for an assessment of damage to the embryo or foetus, including developmental neurotoxicity, , or the currently available data are not sufficient for classification in one of the groups A - C			
propane	74-98-6	AGW	1.000 ppm 1.800 mg/m3	DE TRGS 900
	Peak - limit: excursion factor (category) : 4;(II)			
	Peak - limit: excursion factor (category) : 4; II			
	Further information : Either there are no data for an assessment of damage to the embryo or foetus, including developmental neurotoxicity, or the currently available data are not sufficient for classification in one of the groups A - C			

*The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

8.2. ▼Exposure controls

Engineering measures

Maintain air concentrations below occupational exposure standards.
Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection:

Safety glasses with side-shields conforming to EN166
Eye wash bottle with pure water

Hand protection:

Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374.
Follow manufacturer specifications.
Suitable for short time use or protection against splashes:
Butyl rubber/nitrile rubber gloves (> 0,1 mm)
Contaminated gloves should be removed.
Suitable for permanent exposure:
Viton gloves (0.4 mm),
breakthrough time >30 min.

Skin and body protection:

Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers).

Respiratory protection:

In case of inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of theselected respirator.organic vapor (Type A) and particulate filter A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000ppm P1: Inert material; P2, P3: hazardous substances Ensure adequate ventilation, especially in confined areas.
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General advice:	Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:	aerosol
Colour:	various
Odour:	No data available
Melting point/ range / Freezing point	No data available
Boiling point/boiling range	No data available
Flammability	Extremely flammable aerosol

Upper/lower flammability or explosive limits

Upper explosion limit / Upper flammability limit:	No data available
Lower explosion limit / Lower flammability limit:	No data available
Flash point:	Not applicable
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
pH:	Not applicable substance/mixture reacts with water

Viscosity

Viscosity, kinematic:	Not applicable

Solubility(ies)

Water solubility:	No data available
Partition coefficient: noctanol/water:	No data available
Vapour pressure:	5100 hPa
Density:	ca. 1,017 g/cm3 (25 °C)
Relative vapour density:	No data available
Particle characteristics:	No data available

9.1. Other information

No data available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No dangerous reaction known under conditions of normal use.

10.2. Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions
Hazardous reactions : Stable under recommended storage conditions.

10.4. Conditions to avoid
When exposed to high temperatures hazardous decomposition products my be produced

10.5. Conditions to avoid
Materials to avoid : No data available.

10.6. Hazardous decomposition products
No hazardous decomposition products are known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity
Not classified due to lack of data.

Components:

Reaction products of phosphoryl trichloride and methyloxirane:

Acute oral toxicity	:	LD50 Oral (Rat): > 630 mg/kg

Diphenylmethanediisocyanate, isomeres and homologues:

Acute oral toxicity	:	LD50 Oral (Rat): > 10.000 mg/kg
Acute inhalation toxicity	:	LC50: 1,5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Expert judgement Assessment: The component/mixture is moderately toxic after short term inhalation.
Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 9.400 mg/kg

Skin corrosion/irritation
Causes skin irritation.

Serious eye damage/eye irritation
Causes serious eye irritation.

Respiratory or skin sensitisation

Skin sensitisation
May cause an allergic skin reaction.

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

SECTION 11: TOXICOLOGICAL INFORMATION cont...

Germ cell mutagenicity
Not classified due to lack of data.

Carcinogenicity
Suspected of causing cancer.

Reproductive toxicity

Not classified due to lack of data.

STOT - single exposure
May cause respiratory irritation.

STOT - repeated exposure
May cause damage to organs through prolonged or repeated exposure if inhaled.

Aspiration toxicity
Not classified due to lack of data.

11.2. Information on other hazards

Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Components:

Reaction products of phosphoryl trichloride and methyloxirane:

Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (green algae)): 82 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 NOEC (Pseudokirchneriella subcapitata (green algae)): 13 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to daphnia and other aquatic invertebrates (Chron-ic toxicity)	:	NOEC: 32 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 202

Diphenylmethanediisocyanate, isomeres and homologues:

Toxicity to fish	:	LC50 (Brachydanio rerio (zebrafish)): > 1.000 mg/l Exposure time: 96 h NOEC (Pseudokirchneriella subcapitata (green algae)): 13 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to algae/aquatic plants	:	EC50 (Desmodesmus subspicatus (green algae)): > 1.640 mg/l Exposure time: 72 h

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Possibility of hazardous reactions
Hazardous reactions : Stable under recommended storage conditions.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
Product:

Assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6. Endocrine disrupting properties
Product:

Assessment	The substance/mixture does not contain components consid-ered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7. Other adverse effects
Product:

Additional ecological information	There is no data available for this product.

Global warming potential

Assessment Report of the Intergovernmental Panel on Climate Change (IPCC) of the United Nations Framework Convention on Climate Change (UNFCCC)

Components:
propane:
20-year global warming potential: 0,072
100-year global warming potential: 0,02
500-year global warming potential: 0,006
Atmospheric lifetime: 0,036 yr
Radiative efficiency: 0 Wm2ppb
Further information: Miscellaneous compounds

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. ▼Waste treatment methods

The generation of waste should be avoided or minimized wherever possible.
Empty containers or liners may retain some product residues.
This material and its container must be disposed of in a safe way.
Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.
Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Free recycling by company PDR Recycling GmbH + Co KG. I nformation for free call 0049-800-7836736

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	Subsidiary risks
ADR	UN 1950	AEROSOLS	2	2.1
IMDG	UN 1950	AEROSOLS	2.1	
IATA	UN 1950	Aerosols, flammable	2.1	

14.4. Packing group:

ADR

Packing group	:	Not assigned by regulation
Classification Code	:	5F
Labels	:	2.1
Tunnel restriction code	:	(D)

IMDG

Packing group	:	Not assigned by regulation
Labels	:	2.1
EmS Code	:	F-D, S-U

IATA (Cargo)

Packing instruction (cargo aircraft)	:	203
Packing instruction (LQ)	:	Y203
Packing group	:	Not assigned by regulation
Labels	:	Flammable Gas

IATA (Passenger)

Packing instruction (passen-ger aircraft)	:	203
Packing instruction (LQ)	:	Y203
Packing group	:	Not assigned by regulation
Labels	:	Flammable Gas

14.5. Environmental Hazards:

ADR

Environmentally hazardous	:	No

IMDG

Marine pollutant	:	No

IATA (Cargo)

Environmentally hazardous	:	No

IATA (Passenger)

Environmentally hazardous	:	No
14.6 Special precautions for user		
Packing instruction (LQ)	:	Y203
Packing group	:	Not assigned by regulation

14.6. Special precautions for user:

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7. Maritime transport in bulk according to IMO instrument:

Not applicable for product as supplied.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors:	Not applicable
REACH Information:	All substances contained in our Products are - registered by our upstream suppliers, and/or - registered by us, and/or - excluded from the regulation, and/or - exempted from the registration.
REACH Information: Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	Conditions of restriction for the following entries should be considered: Number on list 56: Diphenylme-thanediisocyanate, isomeres and homologues Number on list 74: Diphenylme-thanediisocyanate, isomeres and homologues Number on list 75:
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	None of the components are listed (=> 0.1 %).

REACH - List of substances subject to authorisation (Annex XIV):	Not applicable
Regulation (EC) on substances that deplete the ozone layer:	Not applicable
Regulation (EU) 2019/1021 on persistent organic pollu-tants (recast):	Not applicable
Regulation (EU) No 649/2012 of the European Parlia-ment and the Council concerning the export and import of dangerous chemicals:	Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of ma-jor-accident hazards involving dangerous substances.

P3a	FLAMMABLE AEROSOLS
Water hazard class (Germany):	WGK 2 obviously hazardous to water Classification according to AwSV, Annex 1 (5.2)
Volatile organic compounds:	Law on the incentive tax for volatile organic compounds (VOCV) Volatile organic compounds (VOC) content: 20,6% w/w Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: 20,6% w/w

Other regulations:

75/324/EEC
Take note of Law on the protection of mothers at work, in education and in studies (Maternity Protection Act - MuSchG). Product is no subject to the Chemicals Prohibition Ordinance.

Contains a substance which is subject to the TRGS 905 list of carcinogenic, germ cell mutagenic and reproduc-tive toxic substances.	Diphenylmethanediisocyanate, iso-meres and homologues carcinogenic: category 2 according to Annex I of the CLP Directive mutagenic: based on the available data no classification in the catego-ries of Annex I of the CLP Directive could be made Harmful for fertility: based on the available data no classification in the categories of Annex I of the CLP Directive could be made

15.2. Chemical safety assessment:

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: OTHER INFORMATION

▼Full text of H-phrases as mentioned in section 3

H220, SExtremely flammable gas.
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 difficul-ties if inhaled.
H335, May cause respiratory irritation.
H351, Suspected of causing cancer.
H373, May cause damage to organs through prolonged or repeated exposure if inhaled.
H412, Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms

Acute Tox = Acute toxicity
Aquatic Chronic = Long-term (chronic) aquatic hazard
Carc = Carcinogenicity
Eye Irrit = Eye irritation
Flam. Gas = Flammable gases
Resp. Sens = Respiratory sensitisation
Skin Irrit = Skin irritation
Skin Sens = Skin sensitisation
STOT RE = Specific target organ toxicity - repeated exposure
STOT SE = Specific target organ toxicity - single exposure
2000/39/EC = Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
DE TRGS 900 = Germany. TRGS 900 - Occupational exposure limit values.
2000/39/EC / TWA = Limit Value - eight hours
DE TRGS 900 / AGW = Time Weighted Average
ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS = Chemical Abstracts Service
DNEL = Derived no-effect level
EC50 = Half maximal effective concentration
GHS = Globally Harmonized System
IATA = International Air Transport Association
IMDG = International Maritime Code for Dangerous Goods
LD50 = Median lethal dosis (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals)
LC50 = Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)
MARPOL = International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978
OEL = Occupational Exposure Limit
PBT = Persistent, bioaccumulative and toxic
PNEC = Predicted no effect concentration
REACH = Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Reg-istration, Evaluation, Authorisation and Restriction of Chemi-cals (REACH), establishing a European Chemicals Agency
SVHC = Substances of Very High Concern
vPvB = Very persistent and very bioaccumulative

Further information

Classification of the mixture:	Classification procedure:
Aerosol 1 H222, H229	Based on product data or assessment
Skin Irrit. 2 H315	Calculation method
Eye Irrit. 2 H319	Calculation method
Resp. Sens. 1 H334	Calculation method
Skin Sens. 1 H317	Calculation method
Carc. 2 H351	Calculation method
STOT SE 3 H335	Calculation method
STOT RE 2 H373	Calculation method

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