

Safety data sheet according to UK REACH

Printing date 10.09.2024

Version number 1

Revision: 10.09.2024

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

- **1.1 Product identifier**
- **Trade name** BAU- UND SCHALUNGSSCHAUM PS 38
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture**
Polyurethane-sealant
Adhesives
PU foam
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
MUREXIN GmbH
Franz v. Furtenbachstr. 1
A-2700 Wiener Neustadt
Tel.: +43 (0)2622/27401
- **Informing department:** chemikalieninfo@murexin.com
- **1.4 Emergency telephone number:**
UK National poisons Emergency number.: +44 (0) 870 600 6266

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



flame

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



health hazard

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Carc. 2 H351 Suspected of causing cancer.
STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.



environment

Aquatic Acute 1 H400 Very toxic to aquatic life.
Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.



Acute Tox. 4 H332 Harmful if inhaled.
Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H335 May cause respiratory irritation.
Lact. H362 May cause harm to breast-fed children.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the GB CLP regulation.

(Contd. on page 2)

GB

Safety data sheet according to UK REACH

Printing date 10.09.2024

Version number 1

Revision: 10.09.2024

Trade name **BAU- UND SCHALUNGSSCHAUM PS 38**

(Contd. of page 1)

· Hazard pictograms



GHS02 GHS07 GHS08 GHS09

· Signal word Danger

· Hazard-determining components of labelling:

diphenylmethanediisocyanate, isomers and homologues
alkanes, C14-17, chloro

· Hazard statements

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

H332 Harmful if inhaled.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

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

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

H362 May cause harm to breast-fed children.

H335 May cause respiratory irritation.

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

H410 Very toxic to aquatic life with long lasting effects.

· Precautionary statements

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

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

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

P260 Do not breathe mist/vapours/spray.

P263 Avoid contact during pregnancy and while nursing.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P312 Call a POISON CENTER/doctor if you feel unwell.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Additional information:

Contains isocyanates. May produce an allergic reaction.

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

· 2.3 Other hazards

· Results of PBT and vPvB assessment

· PBT:

85535-85-9 alkanes, C14-17, chloro

· vPvB:

85535-85-9 alkanes, C14-17, chloro

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· Description:

Prepolymer (mixed polyol and polymeric isocyanate) with freon-free low-boiling blowing agent

(Contd. on page 3)

GB

Safety data sheet according to UK REACH

Printing date 10.09.2024









Version number 1

Revision: 10.09.2024

Trade name **BAU- UND SCHALUNGSSCHAUM PS 38**

(Contd. of page 2)

Dangerous components:

CAS: 9016-87-9	diphenylmethanediisocyanate, isomeres and homologues Consisting of: 101-68-8 diphenylmethane-4,4'-diisocyanate (37.5%); 5873-54-1 Diphenylmethane-2,4'-diisocyanate (3%); 2536-05-2 diphenylmethane-2,2'-diisocyanate (0.5%)  Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373  Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335 EUH204 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 % Resp. Sens. 1; H334: C ≥ 0.1 % STOT SE 3; C ≥ 5 %	50-100%
CAS: 85535-85-9 EINECS: 287-477-0	alkanes, C14-17, chloro  Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Lact., H362 EUH066 PBT; vPvB	25%
CAS: 115-10-6 EINECS: 204-065-8	dimethyl ether  Flam. Gas 1A, H220 Press. Gas (Comp.), H280	5-10%
CAS: 75-28-5 EINECS: 200-857-2	isobutane  Flam. Gas 1A, H220 Press. Gas (Comp.), H280	5-10%
CAS: 74-98-6 EINECS: 200-827-9	propane liquefied  Flam. Gas 1A, H220 Press. Gas (Comp.), H280	2.5-5%
EC number: 904-153-2 Reg.nr.: 01-2119488034-38	Reaction mass of 2-ethylpropane-1,3-diol and 5-ethyl-1,3-dioxane-5-methanol and propylidynetrimehanol  Repr. 2, H361fd  Eye Irrit. 2, H319	1-2.5%

SECTION 4: First aid measures**4.1 Description of first aid measures****General information**

Instantly remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation

Take affected persons into the open air and position comfortably

Seek medical treatment in case of complaints.

In case of unconsciousness bring patient into stable side position for transport.

After skin contact

Instantly wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

After swallowing In case of persistent symptoms consult doctor.**4.2 Most important symptoms and effects, both acute and delayed**

Breathing difficulty

Asthma attacks

Allergic reactions

(Contd. on page 4)

Safety data sheet according to UK REACH

Printing date 10.09.2024

Version number 1

Revision: 10.09.2024

Trade name **BAU- UND SCHALUNGSSCHAUM PS 38**

(Contd. of page 3)

- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
Use fire fighting measures that suit the environment.
CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents** Water.
- **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
In the event of fire, smoke is produced and carbon oxides, soot, hydrocarbons and aldehydes can be formed as a result of imperfect combustion and thermolysis.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Wear self-contained breathing apparatus.
Do not inhale explosion gases or combustion gases.
Wear full protective suit.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Use breathing protection against the effects of fumes/dust/aerosol.
Keep away from ignition sources
Ensure adequate ventilation
Put on breathing apparatus.
Wear protective equipment. Keep unprotected persons away.
Wear protective clothing.
- **6.2 Environmental precautions:**
Avoid release into the environment.
Do not allow to enter drainage system, surface or ground water.
Inform respective authorities in case product reaches water or sewage system.
- **6.3 Methods and material for containment and cleaning up:**
Allow to solidify. Collect mechanically.
Contain with non-combustible absorbent material (e.g. sand, earth, vermiculite, diatomaceous earth).
Dispose of contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Keep containers tightly sealed.
Ensure good ventilation/exhaustion at the workplace.
Open and handle container with care.
Keep away from heat and direct sunlight.

(Contd. on page 5)

Safety data sheet according to UK REACH

Printing date 10.09.2024

Version number 1

Revision: 10.09.2024

Trade name **BAU- UND SCHALUNGSSCHAUM PS 38**

(Contd. of page 4)

- **Information about protection against explosions and fires:**
Do not spray on flames or red-hot objects.
Keep ignition sources away - Do not smoke.
Keep breathing equipment ready.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**
Store only in the original container.
Suitable material for containers and pipes: Aluminium.
Suitable material for containers and pipes: High-grade steel.
- **Information about storage in one common storage facility:**
Store away from flammable substances.
Store away from foodstuffs.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class 2 B**
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

- **Components with critical values that require monitoring at the workplace:**

9016-87-9 diphenylmethanediisocyanate, isomeres and homologues

WEL	Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen; as -NCO
-----	---

115-10-6 dimethyl ether

WEL	Short-term value: 958 mg/m ³ , 500 ppm Long-term value: 766 mg/m ³ , 400 ppm
-----	---

- **Additional information:** The lists that were valid during the compilation were used as basis.

· 8.2 Exposure controls

- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures**
Do not eat, drink or smoke while working.
The usual precautionary measures should be adhered to in handling the chemicals.
Keep away from foodstuffs, beverages and food.
Instantly remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work.
Store protective clothing separately.
Avoid contact with the eyes and skin.
- **Breathing equipment:**
In case of insufficient ventilation, wear a protective mask with an appropriate gas filter (type A1 according to EN 14387).
In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.
Filter P3.
- **Hand protection**
Protective gloves.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- **Material of gloves**
DIN EN 374
Butyl rubber, BR
Nitrile rubber, NBR

(Contd. on page 6)

GB

Safety data sheet according to UK REACH

Printing date 10.09.2024

Version number 1

Revision: 10.09.2024

Trade name **BAU- UND SCHALUNGSSCHAUM PS 38**

(Contd. of page 5)

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye/face protection** Safety glasses

· **Body protection:** Protective work clothing.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Physical state**

Aerosol

· **Colour:**

Yellowish

· **Smell:**

Characteristic

· **Odour threshold:**

Not determined.

· **Melting point/freezing point:**

<0 °C

· **Boiling point or initial boiling point and boiling range**

Not applicable, as aerosol

· **Flammability**

Extremely flammable liquefied gas.

· **Lower and upper explosion limit**

· **Lower:**

1.5 Vol %

· **Upper:**

16 Vol %

· **Flash point:**

>200 °C

· **Auto-ignition temperature:**

>350 °C

· **Decomposition temperature:**

Not determined.

· **pH**

Mixture is non-soluble (in water).

· **Viscosity:**

· **Kinematic viscosity**

Not determined.

· **dynamic:**

Not determined.

· **Solubility**

· **Water:**

Not miscible or difficult to mix

· **Partition coefficient n-octanol/water (log value)**

Not determined.

· **Steam pressure at 20 °C:**

>0 hPa

· **Density and/or relative density**

· **Density at 20 °C**

1 g/cm³

· **Relative density**

Not determined.

· **Vapour density**

Not determined.

· **9.2 Other information**

· **Appearance:**

· **Form:**

Liquid in aerosol container

· **Important information on protection of health and environment, and on safety.**

· **Self-inflammability:**

Product is not selfigniting.

· **Explosive properties:**

Not determined.

· **Solvent content:**

· **Solids content:**

0.0 %

· **Change in condition**

· **Evaporation rate**

Not applicable.

· **Information with regard to physical hazard classes**

· **Explosives**

Void

· **Flammable gases**

Void

(Contd. on page 7)

GB

Safety data sheet according to UK REACH

Printing date 10.09.2024

Version number 1

Revision: 10.09.2024

Trade name **BAU- UND SCHALUNGSSCHAUM PS 38**

(Contd. of page 6)

· Aerosols	<i>Extremely flammable aerosol. Pressurised container: May burst if heated.</i>
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Conditions to be avoided:**
Stable at ambient temperature
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**
Danger of polymerisation
Reacts with acids, alkalis and oxidizing agents
- **10.4 Conditions to avoid** Heating
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Poisonous gases/vapours

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Harmful if inhaled.

- **LD/LC50 values that are relevant for classification:**

9016-87-9 diphenylmethanediisocyanate, isomeres and homologues

Oral	LD50	>100,000 mg/kg (rat)
Dermal	LD50	>9,400 mg/kg (rabbit)
Inhalative	LC50/4 h	0.49 mg/l (rat)

115-10-6 dimethyl ether

Inhalative	LC50/4 h	308 mg/l (rat)
------------	----------	----------------

- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Causes serious eye irritation.
- **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.

(Contd. on page 8)

GB

Safety data sheet according to UK REACH

Printing date 10.09.2024

Version number 1

Revision: 10.09.2024

Trade name BAU- UND SCHALUNGSSCHAUM PS 38

(Contd. of page 7)

11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

9016-87-9 diphenylmethanediisocyanate, isomeres and homologues

EC 50 >100 mg/l (F2) (OECD 209 Activated Sludge, Respiration Inhibition)

>1,000 mg/l (G) (OECD 202 Acute Immobilisation Tet)

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT:

85535-85-9 alkanes, C14-17, chloro

vPvB:

85535-85-9 alkanes, C14-17, chloro

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Remark: Very toxic for fish

Additional ecological information:

General notes:

Also poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms

Water hazard class (Germany) 2 (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system.

Danger to drinking water if even small quantities leak into soil.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Must be specially treated under adherence to official regulations.

Waste disposal key number:

57110

Polyurethan, Polyurethanschaum

gefährlich kontaminiert

gefährlich

Uncleaned packagings:

Recommendation:

Disposal must be made according to official regulations.

Dispose of packaging according to regulations on the disposal of packagings.

Recommended cleaning agent: Water, if necessary with cleaning agent.

GB

(Contd. on page 9)

Safety data sheet according to UK REACH

Printing date 10.09.2024

Version number 1

Revision: 10.09.2024

Trade name BAU- UND SCHALUNGSSCHAUM PS 38

(Contd. of page 8)

SECTION 14: Transport information

· 14.1 UN number or ID number

· ADR, IMDG, IATA

UN1950

· 14.2 UN proper shipping name

· ADR

1950 AEROSOLS, ENVIRONMENTALLY
HAZARDOUS

· IMDG

AEROSOLS, MARINE POLLUTANT

· IATA

AEROSOLS, flammable, containing substances in
Division 6.1, Packing Group III

· 14.3 Transport hazard class(es)

· ADR



· Class

2 5TF Gases.

· Label

2.1

· IMDG



· Class

2.1 Gases.

· Label

2.1

· IATA



· Class

2.1 Gases.

· Label

2.1

· 14.4 Packing group

· ADR, IMDG, IATA

Void

· 14.5 Environmental hazards:

Product contains environmentally hazardous
substances: alkanes, C14-17, chloro

· Marine pollutant:

Symbol (fish and tree)

· Special marking (ADR):

Symbol (fish and tree)

· 14.6 Special precautions for user

Warning: Gases.

· Kemler Number:

-

· EMS Number:

F-D, S-U

· Stowage Code

SW1 Protected from sources of heat.

SW22 For AEROSOLS with a maximum capacity of
1 litre: Category A. For AEROSOLS with a capacity
above 1 litre: Category B. For WASTE AEROSOLS:
Category C, Clear of living quarters.

· Segregation Code

SG69 For AEROSOLS with a maximum capacity of
1 litre:Segregation as for class 9. Stow "separated from"
class 1 except for division 1.4.

For AEROSOLS with a capacity above 1 litre:

Segregation as for the appropriate subdivision of
class 2.

For WASTE AEROSOLS:

(Contd. on page 10)

Safety data sheet according to UK REACH

Printing date 10.09.2024

Version number 1

Revision: 10.09.2024

Trade name **BAU- UND SCHALUNGSSCHAUM PS 38**

(Contd. of page 9)

·	Segregation as for the appropriate subdivision of class 2.
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	120 ml
· Transport category	1
· Tunnel restriction code	D
· UN "Model Regulation":	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Poisons Act**

· **Regulated explosives precursors**

None of the ingredients is listed.

· **Regulated poisons**

None of the ingredients is listed.

· **Reportable explosives precursors**

None of the ingredients is listed.

· **Reportable poisons**

None of the ingredients is listed.

· **Directive 2012/18/EU**

- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category**

E1 Hazardous to the Aquatic Environment

P3a FLAMMABLE AEROSOLS

- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t

- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

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.

H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.

H362 May cause harm to breast-fed children.

(Contd. on page 11)

Safety data sheet according to UK REACH

Printing date 10.09.2024

Version number 1

Revision: 10.09.2024

Trade name **BAU- UND SCHALUNGSSCHAUM PS 38**

(Contd. of page 10)

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

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

EUH204 Contains isocyanates. May produce an allergic reaction.

· **Contact:** chemikalieninfo@murexin.com (+43 02622/27401)

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Gas 1A: Flammable gases – Category 1A

Aerosol 1: Aerosols – Category 1

: Aerosols – Category 3

Press. Gas (Comp.): Gases under pressure – Compressed gas

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Resp. Sens. 1: Respiratory sensitisation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Carc. 2: Carcinogenicity – Category 2

Lact.: Reproductive toxicity – effects on or via lactation

Repr. 2: Reproductive toxicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

· *** Data compared to the previous version altered.**

GB