

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 21.04.2026

Version number 7 (replaces version 6)

Revision: 21.04.2026

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

1.1 Product identifier**Trade name:** PENECOAT™ SF ELASTIC COMPONENT B**UFI:** Q4D0-M0NE-800W-340E**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: Waterproofing polyurethane elastomeric coating for water tanks.**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

PENETRON HELLAS S.A.

50, THRAKOMAKEDONON AV., 136 79 ACHARNES, GREECE

TEL.: +30 210 2448250 - FAX: + 30 210 2476803

Email: info@penetron.gr Site: www.penetron.gr

G.E.MI. No: 07278001000

1.4 Emergency telephone number:

European Emergency Tel.: 112

* **SECTION 2: Hazards identification**

2.1 Classification of the substance or mixture**Classification according to Regulation EC No 1272/2008 CLP:**

GHS08 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 the respiratory system through prolonged or repeated exposure.



GHS07

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.

2.2 Label elements**Labelling according to Regulation EC No 1272/2008 CLP:**

The product is classified and labelled according to the CLP regulation.

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Hazard pictograms:

GHS07 GHS08

Signal word: Danger**Hazard-determining components of labelling:**

4,4'-methylenediphenyl diisocyanate
 o-(p-isocyanatobenzyl)phenyl isocyanate
 diphenylmethane diisocyanate, isomers and homologues
 2,2'-methylenediphenyl diisocyanate

Hazard statements:

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.
 H335 May cause respiratory irritation.
 H373 May cause damage to the respiratory system through prolonged or repeated exposure.

Precautionary statements:

P102 Keep out of reach of children.
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
 P302+P352 IF ON SKIN: Wash with plenty of water and soap.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

EUH204 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**

The product does not contain ingredients that are considered either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at a concentration equal to or greater than 0,1 % w/w

PBT: Not applicable**vPvB:** Not applicable**Determination of endocrine-disrupting properties**

The product does not contain substances included in the list established in accordance with Article 59(1) of REACH for endocrine disrupting properties or has not been identified as having endocrine disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or higher than 0.1%.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures
Description: Mixture: consisting of the following components.

Ingredients according Regulation (EU) 2020/878:

CAS: 101-68-8 EINECS: 202-966-0 Index number: 615-005-00-9 Reg.nr.: 01-2119457014-47-XXXX	4,4'-methylenediphenyl diisocyanate ⚠ 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; H335: C ≥ 5 % substance with a Community workplace exposure limit	>50-<53%
CAS: 5873-54-1 EINECS: 227-534-9 Index number: 615-005-00-9 Reg.nr.: 01-2119480143-45-XXXX	o-(p-isocyanatobenzyl)phenyl isocyanate ⚠ 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; H335: C ≥ 5 % substance with a Community workplace exposure limit	>30-<33%
CAS: 9016-87-9 EC number: 618-498-9	diphenylmethane diisocyanate, isomers and homologues ⚠ 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; H335: C ≥ 5 % substance with a Community workplace exposure limit	>10-<12%
CAS: 2536-05-2 EINECS: 219-799-4 Index number: 615-005-00-9 Reg.nr.: 01-2119927323-43-XXXX	2,2'-methylenediphenyl diisocyanate ⚠ 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; H335: C ≥ 5 % substance with a Community workplace exposure limit	>2-<4%

SVHC

This product does not contain candidate substances of very high concern at a concentration ≥ 0.1% (Regulation (EC) No 1907/2006 (REACH), Article 59)

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Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

Symptoms may occur later after exposure, so if in doubt seek medical attention in case of direct exposure to the chemical or if you are persistently unwell by showing this document.

After inhalation:

If breathing is difficult, remove to fresh air. Restore breathing. Keep warm and quiet.

In case of unconsciousness place patient stably in side position for transportation.

Seek medical treatment in case of complaints.

After skin contact:

Remove contaminated clothing.

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Immediately rinse the eyes with plenty of water, alternately lifting the upper and lower eyelids.

Check and remove contact lenses if any.

Continue to rinse for at least 15 minutes.

Seek medical attention if irritation occurs.

After swallowing:

Do not induce vomiting; call for medical help immediately.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

Consult the doctor immediately and show the label or this Safety Data Sheet.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

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: CO₂, powder or water spray.

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen, isocyanate vapors and traces of hydrogen cyanide. In the event of fire and/or explosion do not breathe fumes. Fire in vicinity poses risk of pressure build-up and rupture. Containers at risk from fire should be cooled with water and, if possible, removed from the danger area.

5.3 Advice for firefighters

Protective equipment: Self-contained breathing apparatus and protective clothing in case of fire.

Additional information

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

Wear protective clothing.

Avoid contact with skin and eyes.

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Ensure adequate ventilation.

Avoid inhalation of vapors or spray.

6.2 Environmental precautions:

Do not allow to penetrate the ground/soil.

Do not allow it to enter sewers/ surface or ground water. It must not penetrate the earth's waters.

6.3 Methods and material for containment and cleaning up:

Collect with absorbent material (sand, diatomite).

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 disposal information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Avoid contact with skin and eyes.

Do not eat, drink or smoke when using this product.

Wash contaminated clothes before reusing them.

Avoid inhaling vapors.

Wash your hands thoroughly after handling.

Information about fire - and explosion protection:

Keep away from heat, sparks, open flames and hot surfaces.

7.2 Conditions for safe storage, including any incompatibilities**Storage:** Store in well-sealed containers and in well-ventilated areas. Keep it cool.**Requirements to be met by storerooms and receptacles:** Store in a cool location.**Information about storage in one common storage facility:** Store away from foodstuffs and feed products**Further information about storage conditions:**

Keep container tightly sealed.

Protect from heat and direct sunlight.

7.3 Specific end use(s) No further relevant information available.* **SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:****CAS: 101-68-8 4,4'-methylenediphenyl diisocyanate**

BOELV (EU)	Short-term value: 0.012 (0.020)* mg/m ³ Long-term value: 0.006 (0.010)* mg/m ³ as -NCO *until 31.12.2028
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WEL (United Kingdom)	Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen; as -NCO
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CAS: 5873-54-1 o-(p-isocyanatobenzyl)phenyl isocyanate

BOELV (EU)	Short-term value: 0.012 (0.020)* mg/m ³ Long-term value: 0.006 (0.010)* mg/m ³ as -NCO *until 31.12.2028
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WEL (United Kingdom)	Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen; as -NCO
CAS: 9016-87-9 diphenylmethane diisocyanate, isomers and homologues	
BOELV (EU)	Short-term value: 0.012 (0.020)* mg/m ³ Long-term value: 0.006 (0.010)* mg/m ³ as -NCO *until 31.12.2028
WEL (United Kingdom)	Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen; as -NCO
CAS: 2536-05-2 2,2'-methylenediphenyl diisocyanate	
BOELV (EU)	Short-term value: 0.012 (0.020)* mg/m ³ Long-term value: 0.006 (0.010)* mg/m ³ as -NCO *until 31.12.2028
WEL (United Kingdom)	Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen; as -NCO

DNELs**CAS: 101-68-8 4,4'-methylenediphenyl diisocyanate**

Inhalative	DNEL Workers (long term exposure - local effect)	0.05 mg/m ³ (human)
	DNEL General Population (acute/short term exposure - local effect)	0.05 mg/m ³ (human)
	DNEL General Population (long term exposure - local effect)	0.025 mg/m ³ (human)
	DNEL Workers (acute/short term exposure - local effect)	0.1 mg/m ³ (human)

CAS: 5873-54-1 o-(p-isocyanatobenzyl)phenyl isocyanate

Inhalative	DNEL Workers (long term exposure - local effect)	0.05 mg/m ³ (human)
	DNEL General Population (acute/short term exposure - local effect)	0.05 mg/m ³ (human)
	DNEL General Population (long term exposure - local effect)	0.025 mg/m ³ (human)
	DNEL Workers (acute/short term exposure - local effect)	0.1 mg/m ³ (human)

CAS: 2536-05-2 2,2'-methylenediphenyl diisocyanate

Inhalative	DNEL Workers (short term exposure - systemic effect)	0.1 mg/m ³ (human)
	DNEL Workers (long term exposure - local effect)	0.05 mg/m ³ (human)
	DNEL General Population (acute/short term exposure - local effect)	0.05 mg/m ³ (human)
	DNEL General Population (long term exposure - local effect)	0.025 mg/m ³ (human)

PNECs**CAS: 101-68-8 4,4'-methylenediphenyl diisocyanate**

PNEC sediment freshwater	11.7 mg/kg dw
PNEC sediment marinewater	1.17 mg/kg dw
PNEC soil	2.33 mg/kg dw
PNEC freshwater	3.7 µg/l
PNEC marinewater	0.37 µg/l
PNEC freshwater (intermittent releases)	37 µg/L

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CAS: 5873-54-1 o-(p-isocyanatobenzyl)phenyl isocyanate

PNEC sediment freshwater	11.7 mg/kg dw
PNEC sediment marinewater	1.17 mg/kg dw
PNEC soil	2.33 mg/kg dw
PNEC freshwater	3.7 µg/l
PNEC marinewater	0.37 µg/l
PNEC freshwater (intermittent releases)	37 µg/L

CAS: 2536-05-2 2,2'-methylenediphenyl diisocyanate

PNEC sediment freshwater	11.7 mg/kg dw
PNEC sediment marinewater	1.17 mg/kg dw
PNEC soil	2.33 mg/kg dw
PNEC freshwater	3.7 µg/l
PNEC marinewater	0.37 µg/l
PNEC freshwater (intermittent releases)	37 µg/L

8.2 Exposure controls

8.2.1. Appropriate engineering controls No other recommendations, see chapter 7.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

Keep away from food, beverages and pet food.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

Do not eat, drink or smoke while using the product.

Remove contaminated clothes and wash before reusing them.

Wash hands before breaks and at the end of work.

Respiratory protection:



Use suitable respiratory protective device in case of insufficient ventilation. Respiratory protection required in insufficiently ventilated working areas and during spraying. An air-fed mask, or for short periods of work, a combination of charcoal filter and particulate filter A2-P2 (EN529) is recommended.

Hand protection



Protective gloves resistant to chemicals (standard EN 374-1)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material should be made considering the penetration times, rates of diffusion and the degradation

Material of gloves

Hand protection when handling the product at room temperature:

Butyl rubber - IIR: thickness $\geq 0,5\text{mm}$; breakthrough time $\geq 480\text{min}$.

Fluorinated rubber - FKM: thickness $\geq 0,4\text{mm}$; breakthrough time $\geq 480\text{min}$.

Recommendation: contaminated gloves should be disposed of.

The selection of the suitable gloves does not only depend on the material. Further marks of quality vary from manufacturer to manufacturer. As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to application.

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Penetration time of glove material

≥480 minutes

The breakthrough times according to EN 374 Part III do not always apply under real conditions. A maximum usage time corresponding to 50% of the breakthrough time is recommended.

Eye/face protection

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Chemically resistant, protective work clothing (EN 14605) and boots.

Environmental exposure controls

Dispose of flushing liquids in accordance with local and national regulations.

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SECTION 9: Physical and chemical properties

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

Physical state	Liquid
Colour:	Brown transparent
Odour:	Characteristic
Odour threshold:	Not determined
Melting point/freezing point:	Not determined
Boiling point or initial boiling point and boiling range	>300 °C (DIN 53171)
Flammability	Not applicable
Lower and upper explosion limit	
Lower:	Not determined
Upper:	Not determined
Flash point:	202 °C (DIN EN 22719)
Auto-ignition temperature:	>500 °C (DIN 51794)
Decomposition temperature:	Not determined
pH	Mixture not stable.
Viscosity:	
Kinematic viscosity	Not determined
Dynamic at 20 °C:	27 mPas (DIN 53019)
Solubility	
water:	Not miscible
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure at 20 °C:	<0.00001 hPa (EG A4)
Vapour pressure at 50 °C:	<0.0005 hPa (EG A4)
Density and/or relative density	
Density at 20 °C:	1.22 g/cm ³ (DIN 51757)
Relative density	Not determined
Vapour density	Not determined

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9.2 Other information**Appearance:****Form:** Liquid**Important information on protection of health and environment, and on safety.****Ignition temperature:** Product is not selfigniting.**Explosive properties:** Product does not present an explosion hazard.**Change in condition** Not applicable**Fusion temperature / range:** Not applicable**Oxidising properties** Not oxidising**Evaporation rate** Not determined**Information with regard to physical hazard classes****Explosives** Void**Flammable gases** Void**Aerosols** Void**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** Stable under normal conditions**10.2 Chemical stability**

Material is stable under normal conditions.

Above about 200 °C polymerisation, release of CO₂.**Thermal decomposition / conditions to be avoided** Stable at environment temperature.**10.3 Possibility of hazardous reactions**Exothermic reaction with amines and alcohols. In combination with water results in CO₂ formation, in closed containers results in pressure increase. Risk of breakage.**10.4 Conditions to avoid** Avoid heat, flames, sparks, other sources of ignition.**10.5 Incompatible materials** No further relevant information available.**10.6 Hazardous decomposition products**

Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen, isocyanate vapors and traces of hydrogen cyanide.

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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 relevant for classification:

For the calculation of the ATE_{mix} value for inhalation (vapours) the calculation formula of Regulation (EC) 1272/2008 (CLP) for mixtures was used.

The LC50 values (inhalation, vapour) of the substances were adjusted by a factor of 11 (Point estimate - Cat. 4 - acute toxicity), according to Annex I of Regulation (EC) No. CLP (1272/2008 EC), because for some substances no specific experimental LC50 data or numerical ATE values were available.

Based on the available classifications and toxicological information in accordance with the provisions of CLP, and on this basis, the final ATE_{mix} value for inhalation (vapours) of the product was calculated.

CAS: 101-68-8 4,4'-methylenediphenyl diisocyanate

Oral	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h (vapour)	0.431 mg/l (rat)

CAS: 5873-54-1 o-(p-isocyanatobenzyl)phenyl isocyanate

Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>9,400 mg/kg (rabbit)
Inhalative	LC50/4 h (vapour)	0.431 mg/l (rat)

CAS: 2536-05-2 2,2'-methylenediphenyl diisocyanate

Oral	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h (vapour)	0.431 mg/l (rat)

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	LC50/4 h (vapour)	11.23 mg/l (ATE)
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Specific symptoms in biological assay:

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation Causes serious eye irritation.

Respiratory or skin sensitisation

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

May cause an allergic skin reaction.

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

Carcinogenicity

Carcinogen, Category 2

Suspected of causing cancer.

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

STOT-single exposure

The product is classified as Specific Target Organ Toxicity after single exposure Category 3

May cause respiratory irritation.

STOT-repeated exposure

STOT Repeated Exposure Category 2

May cause damage to the respiratory system through prolonged or repeated exposure.

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

Additional toxicological information:

Sensitisation Sensitization possible through skin contact

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carc. 2

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11.2 Information on other hazards**Endocrine disrupting properties**

The product does not contain substances included in the list established in accordance with Article 59(1) of REACH for endocrine disrupting properties or has not been identified as having endocrine disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or higher than 0.1%.

None of the ingredients is listed.

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SECTION 12: Ecological information**12.1 Toxicity****Aquatic toxicity:****CAS: 101-68-8 4,4'-methylenediphenyl diisocyanate**

EC50	>1,000 mg/l (daphnia magna) (Daphnia magna Reproduction Test)
EC50 (72h)	>1,640 mg/l (ssu) (Freshwater Alga and Cyanobacteria, Grow Inhibition)
LC50(96h)	>1,000 mg/l (Danio rerio) (Fish, Acute Toxicity Test)
NOEC (21d)	>10 mg/l (Daphnia magna) (Daphnia sp. Acute Immobilisation Test)

CAS: 5873-54-1 o-(p-isocyanatobenzyl)phenyl isocyanate

EC50	>1,000 mg/l (daphnia magna) (Daphnia sp. Acute Immobilisation Test)
LC50(96h)	>1,000 mg/l (Danio rerio)
NOEC (21d)	10 mg/l (aquatic invertebrates)
NOEC (21d)	>10 mg/l (daphnia magna) (Daphnia sp. Acute Immobilisation Test)

CAS: 2536-05-2 2,2'-methylenediphenyl diisocyanate

NOEC (21d)	10 mg/l (aquatic invertebrates)
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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

The product does not contain ingredients that are considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative at levels of 0.1% or higher according to REACH, Annex XIII.

PBT: Not applicable

vPvB: Not applicable

12.6 Endocrine disrupting properties

The product does not contain substances included in the list established in accordance with Article 59(1) of REACH for endocrine disrupting properties or has not been identified as having endocrine disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or higher than 0.1%.

12.7 Other adverse effects

The product does not contain substances listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

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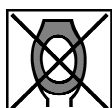
SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation



Dispose according to National Regulations.



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

Contact manufacturer for recycling information.

European waste catalogue

HP4	Irritant - skin irritation and eye damage
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP7	Carcinogenic
HP13	Sensitising

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN number or ID number	Unenforceable. Not classified as dangerous for transport.
ADR, ADN, IMDG, IATA	Void
14.2 UN proper shipping name	
ADR, ADN, IMDG, IATA	Void
14.3 Transport hazard class(es)	
ADR, ADN, IMDG, IATA	
Class	Void
14.4 Packing group	
ADR, IMDG, IATA	Void
14.5 Environmental hazards:	Not applicable
14.6 Special precautions for user	Not applicable
14.7 Maritime transport in bulk according to IMO instruments	Not applicable
UN "Model Regulation":	Void

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SECTION 15: Regulatory information

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

REACH Regulation 1907/2006/EC

Regulation (EU) 2020/878

CLP Regulation 1272/2008/EC

Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.

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Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

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Council Directive 94/33/EC on the protection of young people at work, as amended.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as amended

Directive 2012/18/EU**Named dangerous substances - ANNEX I**

None of the ingredients is listed.

The substance is not included in Annex I.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 56a, 56b, 56c, 74

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

National regulations: None

Other regulations, limitations and prohibitive regulations**Substances of very high concern (SVHC) according to REACH, Article 57**

It doesn't contain substances of very high concern (SVHC).

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

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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

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.

EUH204 Contains isocyanates. May produce an allergic reaction.

Training hints

Suitable training on safety in handling, storing and converting the product should be given to the employees based on all the existing information.

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Classification according to Regulation (EC) No 1272/2008

The classification of the substance is in accordance with the criteria of Regulation (EC) 1272/2008.

Acute toxicity - inhalation
 Skin corrosion/irritation
 Serious eye damage/irritation
 Respiratory sensitisation
 Skin sensitisation
 Carcinogenicity
 Specific target organ toxicity (single exposure)
 Specific target organ toxicity (repeated exposure)

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Department issuing SDS:

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Version number of previous version: 6**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)
 DNEL: Derived No-Effect Level (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 SVHC: Substances of Very High Concern
 vPvB: very Persistent and very Bioaccumulative
 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
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

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