

Trade name: EUCCINJECT PU LV
Version: 1
Revision date: 2020-08-24

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

1.1. Product identification

EUCCINJECT PU LV

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

Use of the substance / mixture

The product is intended for professional use. Building products.

Uses advised against

No identified use.

The product is not classified as dangerous if it has been mixed with EUCCINJECT PU LV CAT (mixing ratio 10A:1B) and has been completely reacted/cured.

1.3. Details of the supplier of the safety data sheet

EUCCHEM BV
ESPERANTOLAAN 13/7
B-3300 TIENEN
BELGIUM
Tel.: +32.16.81.11.52
E-Mail: office@euccchem.com

1.4. Emergency telephone number

+32 70 245 245

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) n° 1272/2008 (CLP)

Acute toxicity	Category 4	H332
Skin corrosion / irritation	Category 2	H315
Serious eye damage / eye irritation	Category 2	H319
Respiratory sensitization	Category 1	H334
Skin sensitization	Category 1	H317
Carcinogenicity	Category 2	H351
Specific target organ toxicity (single exposure)	Category 3	H335
Specific target organ toxicity (repeated exposure)	Category 2	H373

The explanation of the listed hazard warnings can be found in Section 16.

2.2. Label elements

Classification according to Regulation (EC) n° 1272/2008 (CLP)

Hazardous components for labelling

4,4'-Methylenediphenyldiisocyanate; Diphenylmethane-4,4'-diisocyanate

Signal word: Danger

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Warning pictograms



Hazard warnings

H315	Causes skin irritation
H317	May cause allergic reactions to the skin.
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.

Safety instructions

P260	Do not breath dust/smoke/gas/mist/vapour/aerosol.
P280	Wear protective gloves / protective clothing / eye protection / face protection.
P284	Wear respiratory protection.
P304+P340	IF INHALED: Remove the person to fresh air and ensure that they can breathe freely.
P342+P311	If experiencing respiratory symptoms: Immediately call poison information centre / doctor.
P501	Dispose of content/container according to official regulations.

Specific labelling of certain mixtures

EUH204	Contains isocyanates. Can cause allergic reactions.
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People suffering from airway hypersensitivity (i.e. asthmatic or chronic bronchitis) should avoid handling this product. Symptoms related to the respiratory tract can occur several hours after over-exposure. Dust, fumes and aerosols are the main risk of respiratory failure.

2.3. Other hazards

No information available.

SECTION 3: Composition / Information on ingredients

3.2. Mixture

Hazardous ingredients

CAS-N°	EC-N°	Designation / classification	Proportion
101-68-8	202-966-0	4,4'-Methylenediphenyldiisocyanate; Diphenylmethane-4,4'-diisocyanate	25 -< 50%
		Acute Tox. 4, H332; Eye Irrit. 2, H319; Skin Irrit. 2, H315; Resp. Sens. 1, H334; Skin Sens. 1, H317; Carc. 2, H351; STOT SE 3, H335; STOT RE 2, H373	

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SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air. If breathing is difficult or has stopped, initiate artificial respiration. Medical treatment necessary.

After skin contact

In case of skin contact, wash off immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash before reuse. Medical treatment necessary.

After eye contact

In case of eye contact, rinse the eyes with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

Rinse out mouth immediately and drink plenty of water. Induce vomiting if affected person is conscious. Medical treatment necessary.

Self-protection of the first aider

First aiders: Pay attention to self-protection!

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

The product is irritating to the respiratory tract and can cause skin and respiratory sensitization. Treatment of acute irritation or bronchial narrowing is primarily symptomatic. Depending on the degree of exposure and the severity of the symptoms, longer medical treatment may be necessary.

4.3. Indication of any immediate medical attention or special treatment

Symptomatic treatment.

SECTION 5: Fire fighting measures

5.1. Extinguishing agents

Suitable extinguishing media

Carbon dioxide (CO₂), foam, extinguishing powder, in the case of larger fires also water spray.

Unsuitable extinguishing media

Full water jet.

5.2. Specific hazards arising from the substance or mixture

Hazardous combustion products

In case of fire, carbon dioxide, carbon monoxide, nitrogen oxides, isocyanate vapours and traces of hydrogen cyanide (hydrogen cyanide) are produced. Do not inhale explosion or fire gases.

Pressure build-up and risk of bursting in the event of fire. Cool fire-endangered containers with water and, if possible, pull them out of the danger zone.

5.3. Advice for fire-fighters

In the even of fire fighting, breathing protection with independent air supply and tightly fitting chemical protective suit required.

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Do not allow contaminated extinguishing water to penetrate into the ground, into the groundwater or into bodies of water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Emergency services

Provide adequate ventilation. Do not inhale gases / smoke / vapours / aerosols. Avoid contact with skin, eyes and clothes. Wear personal protection.

6.2. Environmental protection measures

Do not allow to get into bodies of water, sewage or the soil.

6.3. Methods and materials for containment and cleaning up

If possible, react with component A (mixing ratio 10A:1B) and allow to harden completely. The cured product can then be disposed of as household waste. If not possible, to react with component B, absorb with a chemical binder, possibly dry sand, and store in closed containers.

6.4. Reference to other sections

Information on safe handling, see section 7.

Information on personal protective equipment, see section 8.

Information on disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice for safe handling

Provide adequate air exchange and/or exhaust in the working space. The protective measures required when handling isocyanates must be observed.

The personal protective measures described in Section 8 must be observed. Avoid skin and eye contact and inhalation of the vapours.

Wash hands before breaks and at the end of the job. Store work clothes separately. Change contaminated or saturated clothing immediately. Decontaminate, destroy and dispose of contaminated protective clothing (see Section 13).

Information about fire and explosion protection

Usual measures for preventive fire protection.

7.2. Conditions for safe storage, including any incompatibilities

Advice on common storage

Keep away from food.

Further information on storage conditions

Keep containers tightly closed. Store locked up. Store in a place that is only accessible to authorized persons. Provide sufficient ventilation and punctiform suction at critical points.

Storage class according to TRGS 510: 10 (flammable solids that cannot be assigned to any of the aforementioned LGK)

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Storage temperature for personal safety: max. 50°C.

7.3. Specific end uses

No information available.

SECTION 8: Exposure controls / Personal protection

8.1. Control parameters

Occupational exposure limit values (TRGS 900)

CAS-N°	Designation	Value	Peak lim.
101-68-8	4,4'-Methylenediphenyldiisocyanate	0.05 mg/m ³ E	1; =2= (I)

8.2. Exposure controls in the workplace

Appropriate technical control equipment

In case of open handling, devices with local exhaust ventilation are to be used. Do not inhale gases / smoke / vapours / aerosols.

Protective and hygiene measures

Take off dirty, soaked clothes immediately. Create and observe a skin protection plan! Wash hands and face thoroughly before breaks and at the end of work, shower if necessary. Do not eat, drink, smoke or sniff on the work place.

Eye / face protection

Goggles according to EN 166.

Skin / body protection

Use chemical-resistant protective clothing.

Hand protection

Suitable materials for protective gloves; EN374: Nitrile rubber (NBR): Thickness $\geq 0,35$ mm - permeation time ≥ 480 minutes, polychloroprene (CR): Thickness $\geq 0,5$ mm - permeation time ≥ 480 minutes, butyl rubber (IIR): Thickness $\geq 0,5$ mm - permeation time ≥ 480 minutes, fluororubber (FKM): Thickness $\geq 0,4$ mm - permeation time ≥ 480 minutes. Dispose of immediately after contamination.

Respiratory protection

Respiratory protection required at workplaces that are not adequately ventilated and when spraying. A fresh air mask or, for short-term work, combination filters A2-P2 (EN529) are recommended.

Limitation and supervision of environmental exposure

No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basis physical and chemical properties

Physical state: liquid
Colour: brown

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Odour:	characteristic
Flash point:	> 100 °C
Density:	1,16 g/cm³ at 20 °C
Water solubility:	Insoluble at 15°C
Viscosity, dynamic :	155 mPa.s at 25°C

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions occur if handled and stored as intended.

10.2. Chemical stability

The product is stable when stored at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Exothermic reaction with amines and alcohols; CO₂-building with water; pressure build-up in closed containers; risk of bursting.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No hazardous decomposition products if stored and handled properly.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on 4,4'-Methylenediphenyldiisocyanate; Diphenylmethane-4,4'-diisocyanate

Acute toxicity, oral

Dose: LD₅₀ > 9.200 mg/kg

Species: Rat

Source: GESTIS

Acute toxicity, inhalation

Dose: ATE 11 mg/l (vapour)

Dose: ATE 1.5 mg/l (aerosol)

Irritant and corrosive effects

Causes skin irritation

Causes serious eye irritation.

Sensitizing effects

Contains isocyanates. Can cause allergic reactions. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause allergic reactions to the skin.

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Carcinogenicity

Suspected of causing cancer.

Germ cell mutagenicity

Based on the available date, the classification criteria are not fulfilled.

Reproductive toxicity

Based on the available date, the classification criteria are not fulfilled.

Specific target organ toxicity after single exposure

May cause respiratory irritation

Specific target organ toxicity after repeated exposure

may cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

Based on the available date, the classification criteria are not fulfilled.

Specific hazards arising from the substance or mixture.

Classification according to Regulation (EC) n° 1272/2008 (CLP): properties dangerous to health.

SECTION 12: Environmental information

12.1. Ecotoxicity

The product is not environmentally toxic.

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 the PBT and vPvB assessment

No data available.

12.6. Other harmful effects

No data available.

12.7. Other information

Do not allow to get into bodies of water, sewage or the soil. Isocyanate reacts with water at the interface with the formation of carbon dioxide to form a solid, high-melting and insoluble reaction product (polyurea). This reaction is strongly promoted by surface-active substances (e.g. liquid soaps) or water-soluble solvents. According to previous experiences, polyurea is inert and not degradable;

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal taking into account all applicable international, national and local laws, ordinances and statutes. For disposal within the EU, the applicable waste code according to the European Waste Catalogue (EWC) must be used.

Packaging must be emptied directly after the last product has been removed (drip-free, trickle-free, spatula-clean). After the product residues adhering to the walls have been rendered harmless, the product and hazardous substance labels must be removed. This packaging can be handed over to the collection points of the existing take-back systems of the chemical industry for recycling. The recycling must take place in accordance with national legislation and environmental protection regulations.

No disposal via sewage.

SECTION 14: Transport information

14.1. Land transport (ADR(RID))

Not hazardous according to these transportation regulations.

14.2. Inland waterway transport (ADN)

Not hazardous according to these transportation regulations.

14.3. Sea transport (IMDG)

Not hazardous according to these transportation regulations.

14.4. Air transport (IATA)

Not hazardous according to these transportation regulations.

SECTION 15: Regulatory information

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

EU Regulations

Use restrictions (REACH, Annexe XVII)

Entry 56: 4,4'-Methylenediphenyldiisocyanate; Diphenylmethane-4,4'-diisocyanate

Information on the VOC directive 2004/42/EC

46.2 %

Information on the SEVESO III directive 2012/18/EC

Not subject to the SEVESO III-directive.

National regulations

Employment restrictions

Observe employment restrictions for young people (§22 JArbSchG).

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Water hazard class

1 - slightly hazardous to water (classification accord. AwSV, Annex 1 No. 5)

Skin absorption/sensitization

Triggers hypersensitivity reactions of an allergic nature.

15.2. Safety assessment

No chemical safety assessment was carried out.

SECTION 16: Other information

Explanation of the H and EUH statements (number and full text)

H315	Causes skin irritation
H317	May cause allergic reactions to the skin.
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Additional information

The information in this safety data sheet corresponds to the best of our knowledge at the time of printing. The information is intended to provide guidelines for the safe handling of the product named in this safety data sheet during storage, processing, transport and disposal. The details are not transferable to other products. If the product is mixed or processed with other materials, the information in this safety data sheet cannot be transferred to the new material produced in this way, unless otherwise stated. The information is based on our current level of knowledge, but does not represent any assurance of product properties and does not establish a contractual legal relationship. It is the responsibility of the recipient of our products to observe existing laws and regulations.