

Trade name: EUCCINJECT PU LV CAT
Version: 1
Revision date: 24.09. 2020

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

1.1. Product identification

EUCCINJECT PU LV CAT

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 (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@eucochem.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	H302
Skin corrosion / irritation	Categorie 1B	H314
Serious eye damage / eye irritation	Category 1	H318
Acute aquatic hazard	Category 1	H400
Long-term aquatic hazard	Category 1	H410

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

Alkyl-C12-C14-dimethylamine
N,N-Dimethyl-C16-C18-alkylamine
C12-C16-Alkyldimethylamine
Hexadecyldimethylamine

Signal word: Danger

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Warning pictograms



Hazard warnings

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H410	Very toxic to aquatic life with long lasting effects.

Safety instructions

P260	Do not breathe dust/smoke/gas/mist/vapour/aerosol.
P264	Wash hands thoroughly after use.
P280	Wear protective gloves / protective clothing / eye protection / face protection.
P303+	In case of skin (or hair) contact: Take off immediately all contaminated clothing.
P361+P353	Wash skin with water / shower.
P305+	After contact with eyes: Rinse cautiously with water for several minutes. Remove
P351+P338	contact lenses, if possible. Continue rinsing.
P310	Immediately call poison information centre / doctor

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
84649-84-3	283-464-9	Alkyl-C12-C14-dimethylamine REACH-Registration number: 01-2119485584-26	15 - 35%
		Acute Tox. 4, H302; Skin Corr. 1B, H314; Aquatic Acute 1, H400; Aquatic Chronic 1; H410	
68390-97-6	269-915-2	N,N-Dimethyl-C16-C18-alkylamine REACH-Registration number: 01-2119970967-16	3 - 10%
		Acute Tox. 4, H302; Skin Corr. 1B, H314; Aquatic Acute 1, H400; Aquatic Chronic 1; H410	
68439-70-3	270-414-6	C12-C16-Alkyldimethylamine REACH-Registration number: 01-2119970968-14	< 1 - 5%
		Acute Tox. 4, H302; Skin Corr. 1B, H314; Aquatic Acute 1, H400; Aquatic Chronic 1; H410	
112-69-6	203-997-2	Hexadecyldimethylamine REACH-Registration number: 01-2119485394-29	< 1 - 5%
		Acute Tox. 4, H302; Skin Corr. 1B, H314; Aquatic Acute 1, H400; Aquatic Chronic 1; H410	

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

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SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Bring affected person out of the danger area and lie down.

After inhalation

Provide fresh air. 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. In case of skin irritation: Get medical advice / attention.

After eye contact

Immediately rinse with running water for 10 to 15 minutes with the eyelid wide open and consult an ophthalmologist.

After ingestion

Rinse out mouth immediately and drink plenty of water. Do not induce vomiting. Possible particular risks to human and possible symptoms: Gastric perforation. Call a doctor immediately. Do not allow to drink neutralizing agent.

Self-protection of the first aider

First aiders: Pay attention to self-protection!

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

No information available.

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), extinguishing powder, in the case of larger fires also water spray or alcohol resistant foam.

Unsuitable extinguishing media

Full water jet.

5.2. Specific hazards arising from the substance or mixture

Hazardous combustion products

In the event of a fire, carbon monoxide, carbon dioxide, nitrogen oxides and organic decomposition products are produced. Do not inhale explosion or fire gases.

5.3. Advice for fire-fighters

Wear full protective suit with self-contained breathing apparatus.

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Suppress gases / vapours / mists with a water spray jet. Contain contaminated fire fighting water separately. Do not discharge into drains or rivers.

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

Absorb with liquid-binding material (sand, Kieselgur, acid binder, universal binder). Treat the absorbed material according to the section on waste disposal.

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

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

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. Do not store together with acid.

Further information on storage conditions

Store in a cool and dry place in tightly closed containers. 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: 8A (combustible, corrosive hazardous substances)

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

7.3. Specific end uses

No information available.

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SECTION 8: Exposure controls / Personal protection

8.1. Control parameters

DNEL / DMEL values

CAS-N°	Designation		
DNEL type	Route of exposure	Effect	Value
84649-84-3	Alkyl-C12-C14-dimethylamine		
Consumer, long-term	oral	systematically	0,5 mg/kg KG/d
Worker, long-term	inhalation	Systematic and local	1 mg/m ³
68390-97-6	N,N-Dimethyl-C16-C18-alkylamine		
Consumer, long-term	oral	systematically	0,5 mg/kg KG/d
Worker, long-term	inhalation	Systematic and local	1 mg/m ³
68439-70-3	C12-C16-Alkyldimethylamine		
Consumer, long-term	oral	systematically	0,5 mg/kg KG/d
Worker, long-term	inhalation	Systematic and local	1 mg/m ³

PNEC values

CAS-N°	Designation	
Environmental compartment		Value
84649-84-3	Alkyl-C12-C14-dimethylamine	
Fresh water		0.00026 mg/l
Sea water		0.00003 mg/l
Wastewater treatment plant		0.13 mg/l
Soil		1 mg/kg
fresh water sediment		1.25 mg/kg
68390-97-6	N,N-Dimethyl-C16-C18-alkylamine	
Fresh water		0.00026 mg/l
Sea water		0.00003 mg/l
Wastewater treatment plant		0.13 mg/l
Soil		1 mg/kg
fresh water sediment		1.25 mg/kg
Sea water sediment		0.125 mg/kg
68439-70-3	C12-C16-Alkyldimethylamine	
Fresh water		0.00026 mg/l
Sea water		0.00003 mg/l
Wastewater treatment plant		0.13 mg/l
Soil		1 mg/kg
Fresh water sediment		1.25 mg/kg
Sea water sediment		0.125 mg/kg

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.

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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 $\geq 0,4$ mm - permeation time ≥ 30 minutes, butyl rubber (IIR): Thickness $\geq 0,7$ mm - permeation time ≥ 480 minutes.
Dispose of immediately after contamination.

Respiratory protection

Respiratory protection required at workplaces that are not adequately ventilated. 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:	transparent
Odour:	characteristic
Flash point:	> 100 °C
Density:	$1,02 \text{ g/cm}^3$ at 20 °C
Water solubility:	Soluble at 15 °C
Viscosity, dynamic	181 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

Reaction with strong acids.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

Strong oxidizing agents, strong acids.

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10.6. Hazardous decomposition products

In the case of thermal decomposition, various substances can arise, their exact composition depending on the decomposition conditions. In the event of fire, formation of carbon monoxide, carbon dioxide and nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on Alkyl-C12-C14-dimethylamine

Acute toxicity, oral

Dose: LD50 - 1.220 mg/kg

Species: Rat

Method: OECD- test guideline 401

Information on N,N-Dimethyl-C16-C18-alkylamine

Acute toxicity, oral

Dose: LD50 - 1.000 - 2.000 mg/kg

Species: Rat

Method: OECD- test guideline 401

Information on C12-C16-Alkyldimethylamine

Acute toxicity, oral

Dose: LD50 - 1.000 - 2.000 mg/kg

Species: Rat

Method: OECD- test guideline 401

Information on Hexadecyldimethylamine

Acute toxicity, oral

Dose: LD50 - 1.015 mg/kg

Species: Rat

Method: OECD- test guideline 401

Product details

Skin corrosion / irritation

Causes severe skin burns.

Serious eye damage / eye irritation

Causes serious eye damage.

Respiratory / skin sensitization

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

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity

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

Carcinogenicity

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

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Reproductive toxicity

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

Specific target organ toxicity after single exposure

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

Specific target organ toxicity after repeated exposure

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

Aspiration hazard

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

Specific hazards arising from the substance or mixture

The mixture is classified as dangerous according to regulation (EC) n° 1272/2008 (CLP).

SECTION 12: Environmental information

12.1. Ecotoxicity

Aquatic toxicity

Information on Alkyl-C12-C14-dimethylamine

Acute / long-term fish toxicity

Dose: LC50 - 0,62 mg/l

Duration: 96 h

Species: Danio rerio (Zebrafish)

Method: OECD- test guideline 203

Acute algae toxicity

Dose: EC50 - 0,056 mg/l

Duration: 72 h

Species: Desmodesmus subspicatus (Green algae)

Chronic algae toxicity

Dose: EC10 - 0,02 mg/l

Duration: 72 h

Species: Desmodesmus subspicatus (Green algae)

Acute crustacea toxicity

Dose: EC50 - 0,056 mg/l

Duration: 48 h

Species: Daphnia magna (large water flea)

Chronic crustacea toxicity

Dose: NOEC - 0,036 mg/l

Species: Daphnia magna (large water flea)

Information on N,N-Dimethyl-C16-C18-alkylamine

Acute / long-term fish toxicity

Dose: LC50 - 0,82 mg/l

Duration: 96 h

Species: Danio rerio (Zebrafish)

Acute algae toxicity

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Dose: EC50 - 0,02 mg/l
Duration: 72 h
Species: Desmodesmus subspicatus (Green algae)

Acute crustacea toxicity

Dose: EC50 - 0,188 mg/l
Duration: 48 h
Species: Daphnia magna (large water flea)

Chronic crustacea toxicity

Dose: NOEC - 0,1 mg/l
Duration: 21 d
Species: Daphnia magna (large water flea)

Information on C12-C16-Alkyldimethylamine

Acute / long-term fish toxicity

Dose: LC50 - 0,26 mg/l
Duration: 96 h
Species: Danio rerio (Zebrafish)
Method: OECD- test guideline 203

Acute algae toxicity

Dose: EC50 - 0,0165 mg/l
Duration: 72 h
Species: Desmodesmus subspicatus (Green algae)
Method: OECD- test guideline 201

Acute crustacea toxicity

Dose: EC50 - 0,056 mg/l
Duration: 48 h
Species: Daphnia magna (large water flea)
Method: OECD- test guideline 202

Chronic crustacea toxicity

Dose: NOEC - 0,036 mg/l
Species: Daphnia magna (large water flea)

Information on Hexadecyldimethylamine

Acute / long-term fish toxicity

Dose: LC50 - 0,26 mg/l
Duration: 96 h
Species: Danio rerio (Zebrafish)

Acute algae toxicity

Dose: EC50 - 0,0099 mg/l
Duration: 72 h
Species: Desmodesmus subspicatus (Green algae)

Acute crustacea toxicity

Dose: EC50 - 0,056 mg/l
Duration: 48 h
Species: Daphnia magna (large water flea)

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12.2. Persistence and degradability

Information on Alkyl-C12-C14-dimethylamine

Biological degradability

93 %

Method: OECD- test guideline 203

The organic components contained are easily biodegradable.

12.3. Bioaccumulative potential

No further relevant information available.

12.4. Mobility in soil

No further relevant information available.

12.5. Results of the PBT and vPvB assessment

Not applicable.

12.6. Other harmful effects

No further relevant information available.

12.7. Other information

Do not discharge into drains or rivers. Do not allow it to get into the soil or subsoil.


SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal taking into account all applicable international, national and local laws, ordinances and statutes. Do not discharge into drains or rivers. Do not allow it to get into the soil or subsoil. Uncontaminated and completely emptied packaging can be recycled.



SECTION 14: Transport information

14.1. Land transport (ADR(RID))



UN-number:	2735
Description of the goods:	AMINE, LIQUID, CORROSIVE, N.O.S. (Alkyl-C12-C14-dimethylamine), ENVIRONMENTALLY DANGEROUS
Transport hazard class:	8 (C7) corrosive substances
Packing group:	II
Hazard label:	8
Warning sign:	
Classification code:	C5
Limited quantity (LQ):	1 L
Excepted quantity:	E2
Transport category:	2
Hazard number:	80
Tunnel restriction code:	E

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14.2. Inland waterway transport (ADN)

UN-number:	2735
Description of the goods:	AMINE, LIQUID, CORROSIVE, N.O.S. (Alkyl-C12-C14-dimethylamine), ENVIRONMENTALLY DANGEROUS
Transport hazard class:	8 (C7) corrosive substances
Packing group:	II
Hazard label:	8
Warning sign:	 
Limited quantity (LQ):	1 L
Excepted quantity:	E2
Transport category:	2
Hazard number:	80

14.3. Sea transport (IMDG)

UN-number:	2735
Description of the goods:	AMINES, LIQUID, CORROSIVE, N.O.S. (Alkyl-C12-C14-dimethylamine, C12-C16-Alkyldimethylamine, distilled), MARINE POLLUTANT
Transport hazard class:	8 corrosive substances
Packing group:	II
Hazard label:	8
Warning sign:	 
Marine Pollutant:	yes
Limited quantity (LQ):	1 L
Excepted quantity:	E2
EmS:	F-A, S-B
Storage category:	A
Separating group:	18 - alkalis

14.4. Air transport (IATA)

UN-number:	2735
Description of the goods:	AMINES, LIQUID, CORROSIVE, N.O.S. (Alkyl-C12-C14-dimethylamine)
Transport hazard class:	8 corrosive substances
Packing group:	II
Hazard label:	8
Warning sign:	 
Special provisions:	A3
Limited quantity (LQ):	0.5 L

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Excepted quantity:	E2
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14.5. Environmental hazards

Environmentally hazardous: yes



Danger trigger: Alkyl-C12-C14-dimethylamine
Marine Pollutant: yes

14.6. Special precautionary measures for the user

Warning: very corrosive. Warning: corrosive substances

14.7. Bulk transport acc. Annex II of the MARPOL Convention and acc. IBC Code

Not applicable.

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)

Restriction conditions: 3

Information on the SEVESO III directive 2012/18/EC

E1 hazardous to the aquatic environment

National regulations

Employment restrictions

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

Water hazard class

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

15.2. Safety assessment

A chemical safety assessment was carried out.

SECTION 16: Other information

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

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H400	Very toxic to aquatic organisms.
H410	Very toxic to aquatic life with long lasting effects.

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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.