

Trade name: EUCOPROOF MS T DONKER GRIJS
Version: 1
Revision date: 25.08.2020

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

1.1. Product identification

EUCOPROOF MS T DONKER GRIJS

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. Coating.

Uses advised against

No identified use.

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

The mixture is classified as not dangerous.

2.2. Label elements

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

Not applicable.

EU advice on specific hazards

EUH208	Contains N-(3-(Trimethoxysilyl)propyl)ethyldiamine. Can cause allergic reactions.
EUH210	Safety data sheet available on request.

2.3. Other hazards

General dangers

small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released during the curing process.

Trade name: EUCOPROOF MS T DONKER GRIJS
Version: 1
Revision date: 25.08.2020

Results of the PBT and vPvB assessment

The components of this formulation do not meet the criteria for classification as a PBT or vPvB substance.

SECTION 3: Composition / Information on ingredients

3.2. Mixture

CAS-N°	EC-N°	Designation / classification	Proportion
2768-02-7	220-449-8	Trimethoxyvinylsilane REACH-registration number: 01-2119513215-52	1 -< 2.5%
		Flam. Liq. 3, H226; Acute Tox. 4, H332	
1760-24-3	217-164-6	N-(3-(Trimethoxysilyl)propyl)ethylenediamine REACH-registration number: 01-2119970215-39	0.1 -< 1%
		Skin Sens. 1, H317; Eye Dam. 1, H318	

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

This product does not contain any reportable Eu-listed substances of very high concern (SVHC) in a concentration of $\geq 0,1\%$ (Regulation (EC) No 1907/2006 (REACH), Article 59).

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

If medical advice is required, have the packaging, identification label or safety data sheet ready.

After eye contact

Rinse immediately and thoroughly with plenty of water for at least 15 minutes, also under the eyelids. Remove contact lenses, if possible. Continue rinsing. See an ophthalmologist.

After inhalation

Bring to fresh air. Consult a doctor if symptoms persist.

After skin contact

Wash skin with water and soap. Consult a doctor if skin irritation or allergic reactions occur.

After ingestion

Do not induce vomiting. Call a doctor immediately. Rinse out mouth thoroughly with water. Small amounts of toxic methanol are released through hydrolysis.

Self-protection of the first aider

First aiders: Pay attention to self-protection!

Trade name: EUCOPROOF MS T DONKER GRIJS
Version: 1
Revision date: 25.08.2020

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

small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released during the curing process. Symptomatic treatment.

SECTION 5: Fire fighting measures

5.1. Extinguishing agents

Suitable extinguishing media

Carbon dioxide (CO₂), dry powder, alcohol-resistant foam, water spray.

Unsuitable extinguishing media

Full water jet. Do not distribute leaked material with a high pressure water jet.

5.2. Specific hazards arising from the substance or mixture

Special hazards arising from the substance

Thermal decomposition can release toxic and corrosive gases/vapours.

Hazardous combustion products

Carbon monoxide, carbon dioxide (CO₂)

5.3. Advice for fire-fighters

In case of fire, wear self-contained breathing apparatus and full protective gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection. Avoid contact with skin, eyes and clothes.

6.2. Environmental protection measures

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

6.3. Methods and materials for containment and cleaning up

Methods for containment

Use a non-flammable material such as vermiculite, sand or earth to soak up the product and place it in a container for later disposal.

Procedures for cleaning up

Pick up mechanically and collect in suitable containers for disposal.

Trade name: EUCOPROOF MS T DONKER GRIJS
Version: 1
Revision date: 25.08.2020

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

Ensure adequate ventilation. Wear the prescribed personal protective equipment. Avoid contact with skin, eyes and clothes.

General hygiene advice

keep away from food, drink and animal feed. Do not eat, drink or smoke at work. Wash hands thoroughly after use. Take off immediately contaminated clothing and wash before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

Protect from moisture. Keep/store only in the original containers. Recommended storage temperature 10-35°C

Storage class according to TRGS 510: 10 (flammable liquids).

7.3. Specific end uses

Construction chemical applications

SECTION 8: Exposure controls / Personal protection

8.1. Control parameters

Occupational exposure limit values (TRGS 900)

CAS-N°	Designation	Limit value	Peak limitation	Remark
67-56-1	Methanol	200 ppm	4 (II)	AGW
		200 ppm		TWA
		270 mg/m ³	4 (II)	AGW
		260 mg/m ³		TWA

Biological limit value (TRGS903)

CAS-N°	Designation	Limit value	Time of sampling
67-56-1	Methanol	30 mg/l Urine	End of shift End of work week

DNEL / DMEL values

CAS-N°	Designation		
DNEL type	Route of exposure	Effect	Value
2768-02-7	Trimethoxyvinylsilane		
Worker, short-term	dermal	systematically	0,69 mg/kg KG/d

Trade name: EUCOPROOF MS T DONKER GRIJS
Version: 1
Revision date: 25.08.2020

Worker, short-term	inhalation	systematically	4.9 mg/m ³
Worker, long-term	dermal	systematically	0,69 mg/kg KG/d
Worker, long-term	inhalation	systematically	4.9 mg/m ³

PNEC values

CAS-N°	Designation	
Environmental compartment		Value
2768-02-7	Trimethoxyvinylsilane	
Fresh water		0.34 mg/l
Sea water		0.034 mg/l
Micro-organisms in water treatment plants		110 mg/l

8.2. Exposure controls / personal protective equipment

Technical control devices

Provide adequate ventilation, especially in enclosed spaces.

Eye / face protection

Use protective goggles or protective goggles with side shields in accordance with DIN EN 166.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment. Wear a protective mask according to EN 140 with filter type A/p2 brown or white or better.

Skin / body protection

Wear suitable protective clothing when working.

Hand protection

Protective gloves in accordance with DIN EN 374. Butyl rubber (IIR), nitrile rubber (NBR), neoprene. Permeation time (maximum wearing time): >480 min. The information provided by the manufacturer of the protective gloves on permeability and breakthrough times must be observed. Gloves are to be disposed of immediately if they are heavily soiled or damaged, in the case of splashes, after the specified maximum wearing time, but at the latest at the end of the shift.

Limitation and supervision of environmental exposure

Do not discharge the product into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basis physical and chemical properties

Physical state: liquid
Colour: grey
Odour: characteristic
Flash point: > 61 °C
Relative density: Approx. 1,5 g/cm³
Water solubility: Reacts with water

Trade name: EUCOPROOF MS T DONKER GRIJS
Version: 1
Revision date: 25.08.2020

SECTION 10: Stability and reactivity

10.1. Reactivity

Product hardens with moisture.

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None under normal handling.

10.4. Conditions to avoid

No information known.

10.5. Incompatible materials

No information known.

10.6. Hazardous decomposition products

No hazardous decomposition products if stored and handled properly.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Product details

Acute toxicity

ATEmix (dermal): 13,578 mg/kg

ATEmix (inhalative vapour): 1,491 mg/l

Information on Trimethoxyvinylsilane

Acute toxicity

Route of exposure: oral

Dose: LD50 - 7.120 - 7.236 mg/kg

Species: Rat

Method: OECD 401

Route of exposure: dermal

Dose: LD50 - 3.360 µL/kg

Species: Rabbit

Route of exposure: inhalative

Dose: LC50 - 16,8 mg/m³ (4h)

Species: Rat

Method: OECD TG 403

Trade name: EUCOPROOF MS T DONKER GRIJS
Version: 1
Revision date: 25.08.2020

Skin corrosion / irritation

Route of exposure: dermal

Effective dose: 0,5 mL

Exposure time: 24 h

Species: Rabbit

Result: not irritating

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

Serious eye damage / eye irritation

Route of exposure Eyes

Exposure time: 24 h

Species: Rabbit

Method: OECD 405

Result: not irritating

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

Sensitization of respiratory system and skin

Route of exposure: dermal

Species: Guinea pig.

Method: OECD 406

Result: no skin allergen

Can cause allergic reactions.

Germ cell mutagenicity

Species: in vitro

Method: OECD 471

Result: not mutagenic.

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

Carcinogenicity

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

Reproductive toxicity

Species: Rat

Method: OECD 422

Result: not classifiable

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

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

Route of exposure: inhalative vapour

Exposure time: 90 d

Species: Rat

Trade name: EUCOPROOF MS T DONKER GRIJS
Version: 1
Revision date: 25.08.2020

Method: OECD 413
Result: 0,058 NOAEL
Based on the available data, the criteria for classification are not met.

Aspiration hazard

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

Information on N-(3-(Trimethoxysilyl)propyl)ethylenediamine

Acute toxicity

Route of exposure: oral
Dose: LD50 - 2.295 mg/kg
Species: Rat
Method: EPA OPPTS 870.1100
Route of exposure: dermal
Dose: LD50 - 2.000 mg/kg
Species: Rat
Method: EPA OPPTS 870.1200

SECTION 12: Environmental information

12.1. Toxicity

Aquatic toxicity

Information on Trimethoxyvinylsilane

Acute / long-term fish toxicity
Dose: LC50 - 191 mg/l
Duration: 96 h
Species: Oncorhynchus mykiss (Rainbow trout)
Acute algae toxicity
Dose: EC50 - 957 mg/l
Duration: 72 h
Species: Desmodesmus subspicatus (Green algae)
Method: EU Method C.3

Acute crustacea toxicity
Dose: EC50 - 168,7 mg/l
Duration: 48 h
Species: Daphnia magna

Information on N-(3-(Trimethoxysilyl)propyl)ethylenediamine

Acute / long-term fish toxicity
Dose: LC50 - 597 mg/l
Duration: 96 h
Species: Danio rerio (Zebrafish)
Acute crustacea toxicity
Dose: EC50 - 81 mg/l

Trade name: EUCOPROOF MS T DONKER GRIJS
Version: 1
Revision date: 25.08.2020

Duration: 48 h
Species: Daphnia magna

12.2. Persistence and degradability

Product details

No information available.

Information on Trimethoxyvinylsilane

Value: biological oxygen demand
Exposure time: 28 d
Method: OECD 301F
Result: 51% not easily biodegradable

12.3. Bioaccumulative potential

Product details

No information available.

Information on Trimethoxyvinylsilane

Partition coefficient: 1.1

Information on N-(3-(Trimethoxysilyl)propyl)ethylenediamine

Partition coefficient: -0.3

12.4. Mobility in soil

No information available.

12.5. Results of the PBT and vPvB assessment

The components of this formulation do not meet the criteria for classification as a PBT or vPvB substance.

12.6. Other harmful effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal

Dispose of contents/container in accordance with local, regional, national and international regulations. Uncured product must be disposed of as hazardous waste. Waste code 08 04 10: Waste of adhesives and sealants other than those mentioned in 08 04 09.

Packaging disposal

Do not reuse empty containers. Treat contaminated packaging like the substance.

Trade name: EUCOPROOF MS T DONKER GRIJS
Version: 1
Revision date: 25.08.2020

Additional information

The waste classification can change depending on the area in which the product is used. Please observe EC Directive 2001/118/EC.

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

EU-REACH (1907/2006) - Candidate list of substances of very high concern (SVHC) for authorization according to article 59.

This product does not contain any reportable EU-listed substances of very high concern (SVHC) in a concentration of $\geq 0,1\%$ (Regulation (EC) No 1907/2006 (REACH), Article 59)..

EU-REACH (1907/2006) - Annex XVII Restrictions on use

This product contains one or more substances that are subject to authorization (Regulation (EC) No 1907/2006, REACH), Annex XVII).

Chemical name: Dioctyl tin oxide

CAS-Nr. 870-08-6

Use restriction: 20

EU-REACH (1907/2006) - Annex XIV -"List of substances subject to authorization"

This product does not contain any substances that are subject to authorization (Regulation (EC) No 1907/2006, REACH), Annex XIV

National regulations

Water hazard class

1 - slightly hazardous to water

Trade name: EUCOPROOF MS T DONKER GRIJS
Version: 1
Revision date: 25.08.2020

15.2. Safety assessment

No chemical safety assessment was carried out for this mixture.

SECTION 16: Other information

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

H226	Flammable liquid and vapour.
H317	May cause allergic reactions to the skin.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
EUH208	Contains N-(3-(Trimethoxysilyl)propyl)ethylenediamine. Can cause allergic reactions.
EUH210	Safety data sheet available on request.

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.