



Hakron

voor beton- en woningbouw

FlexproofX[®] 1

Veiligheidsinformatieblad (VIB)

Engelstalig

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**Safety Data Sheet according to
Regulation (EC) No. 1907/2006 (REACH)**

Version: 1

Revision date: 01.08.2018

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

1.1. Product identifier

FlexproofX 1

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

Relevant identified uses: Adhesives, sealants

Uses advised against: Other

1.3. Details of the supplier of the safety data sheet

Manufacturer

ankox GmbH
Blumenstrasse 42/1

Telephone: +49 (0) 7159 420 08 40

D 71106 Magstadt / Germany

Supplier (manufacturer/importer/only representative/downstream user/distributor)

ankox GmbH
Blumenstrasse 42/1

Telephone: +49 (0) 7159 420 08 40

D 71106 Magstadt / Germany

Information contact

ankox GmbH

Information telephone: +49 (0) 7159 420 08 40

E-mail (competent person): info@ankox.de

Website: <http://www.ankox.de>

Dept. responsible for information:

ankox GmbH

1.4. Emergency telephone number

ankox GmbH

Telephone: +49 (0) 7159 420 08 40

This number is serviced during office hours.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008:

- ; EUH208

2.2. Label elements

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:

-

Signal word:

-

Hazard statements:

EU_208.2 Contains Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate.
May produce an allergic reaction.

Precautionary statements:

-

2.3. Other hazards

See attached safety data sheets and/or usage instructions.

SECTION 3: Composition / information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

FlexproofX 1 is a mixture.

Composition/information on ingredients

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008(CLP):
Trimethoxyvinylsilane	220-449-8	2768-02-7		01-211951 3215-52	1 - 5 % (w/w)	Flam. Liq. 3; H226 Acute Tox. 4; H332

Substance with a common (EC) occupational exposure limit value

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008(CLP):

(Full text of R-, H- and EUH-phrases: see section 16.)

Additional information

Contains tin organic constituents.

SECTION 4: First aid measures

4.1. Description of first aid measures

- General information:** In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible).
- Following inhalation:** Move victim to fresh air. Put victim at rest and keep warm. Seek medical attention if problems persist.
- Following skin contact:** After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, seek medical treatment.
- After eye contact:** In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.
- After ingestion:** Rinse mouth immediately and drink large quantities of water. Do not induce vomiting. No administration in cases of unconsciousness or cramps. Immediately get medical attention.

Self-protection of the first aider: No special measures are necessary.

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

- Symptoms:** No symptoms known up to now.
- Nature of Hazard:** No risks worthy of mention.

4.3. Indication of any immediate medical attention and special treatment needed

- Notes for the doctor:** Let water be swallowed in little sips (dilution effect). Do not induce vomiting.
- Special treatment:** Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Water fog. Carbon dioxide (CO₂). Foam. Dry extinguishing powder.

Unsuitable extinguishing media: High power water jet.

5.2. Special hazards arising from the substance or mixture

Pyrolysis products, toxic. Carbon dioxide. Carbon monoxide.

5.3. Advice for firefighters

General information

Extinguishing materials should be selected according to the surrounding area.

Special protective equipment for firefighters:

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment. Guide people to safety.

6.2. Environmental precautions

No special environmental protection measures are necessary.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the assimilated material according to the section on waste disposal. Avoid generation of dust. Clear contaminated area thoroughly. Wash with generous amount of water.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Avoid contact with skin and eyes.

Technical measures

No special technical protective measures are necessary.

Precautions against fire and explosion

Usual measures for fire prevention.

Additional information

none

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

No special technical protective measures are necessary.

Packaging materials

Keep/Store only in original container.

Requirements for storage rooms and vessels

Keep the packing dry and well sealed to prevent contamination and absorption of dampness.

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

Storage class: 10 Combustible liquids unless LGK 3A or 3B.

Further information on storage conditions

none

7.3. Specific end use(s)

Observe instructions for use.

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
occupational exposure limit value

Substance:	CAS-No.:	Source:	Occupational exposure limit value:	Limitation of exposure peaks:	Remark:

Substance with a common (EC) occupational exposure limit value

Substance:	CAS-No.:	Source:	Occupational exposure limit value:	Limitation of exposure peaks:	Remark:

DNEL-/PNEC-values
DNEL value

Substance:	CAS-No.:	DNEL/DMEL	Industry	Professional	consumer

PNEC Value

Substance:	CAS-No.:	PNEC	Worker, industry	Worker, professional	consumer

Risk management measures according to used control banding approach

none

Additional information

Does not contain substances above concentration limits fixing an occupational exposure limit.

8.2. Exposure controls
Occupational exposure controls

Provide for sufficient ventilation and punctiform suction at critical points. Technical measures and the application of adequate working methods take priority over the use of personal protection equipment.

General protection and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work. Apply skin care products after work. Wash contaminated clothing prior to re-use.

Personal protection equipment

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

Respiratory protection

Respiratory protection not required.

Hand protection

Tested protective gloves are to be worn: German Industry Norms (DIN) / European Norms (EN): DIN EN 374

Eye/face protection

Tightly sealed safety glasses.

Body protection

Skin protection: not required.

Environmental exposure controls

refer to chapter 7. No further action is necessary.

Consumer exposure controls

refer to chapter 7. No further action is necessary.

Exposure Scenario

none

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state:	liquid
Colour:	No data available
Odour:	characteristic
Odour threshold:	No data available

Safety relevant basis data

	parameter	unit	remark
Density:	at °C: 20	1,486 g/cm ³	
Bulk density:			not applicable
pH:			No data available
Melting point/freezing point:		270 °C	
Initial boiling point and boiling range:			No data available
Flash point:		107 °C	
Flammability (solid, gas):			No data available
Explosivity:			not explosive.
Lower explosion limit:			not applicable
Upper explosion limit:			not applicable
Ignition temperature:			No data available
Decomposition temperature:			No data available
Oxidizing potential:			Not oxidizing.
Vapour pressure:			No data available
Vapour density:			No data available
Evaporation rate:			No data available
Water solubility:			not miscible
Fat solubility:			No data available
Soluble in:	:		not applicable
Partition coefficient: n-octanol/water:			No data available
Viscosity:			No data available
Solvent separation test:			No data available
Solvent content:		0,00 %	

9.2. Other information

none

SECTION 10: Stability and reactivity

10.1. Reactivity

none

10.2. Chemical stability

With proper storage and handling the product is stable.

10.3. Possibility of hazardous reactions

none

10.4. Conditions to avoid

moisture. heat.

10.5. Incompatible materials

Oxidizing agents. Reducing agents. Acid. Alkalis (alkalis).

10.6. Hazardous decomposition products

Can be released in case of fire: Pyrolysis products, toxic. Carbon dioxide. Carbon monoxide.

Additional information

none

SECTION 11: Toxicological information

11.1. Information on toxicological effects

There are no data available on the mixture itself.

Acute toxicity

Substance:	CAS-No.:	Toxicological information
Trimethoxyvinylsilane	2768-02-7	Acute toxicity, oral LD50: 7130 mg/kg (Rat.) Acute toxicity, oral LD50: 3260 mg/kg (Rabbit.)

Specific symptoms in laboratory animals

none

Irritation and etching

Irritant effect on the skin
slightly irritant but not relevant for classification.
Irritant effect on the eye
slightly irritant but not relevant for classification.
Irritant effect on the respiratory tract
Not an irritant.
Additional information
not corrosive

Sensitization

No information available.

Repeated dose toxicity (subacute, subchronic, chronic)

No information available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

No indications of human carcinogenicity exist.
Germ cell mutagenicity
No indications of human germ cell mutagenicity exist.
Reproductive toxicity
No indications of human reproductive toxicity exist.

General remarks

none

Practical experience/human evidence

none

Other observations

none

Other information

Data arise from reference works and literature.

SECTION 12: Ecological information

12.1. Toxicity

There are no data available on the mixture itself.

Ecotoxicity

Substance:	CAS-No.:	Ecotoxicity
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12.2. Persistence and degradability

Not easily bio-degradable (according to OECD-criteria).

12.3. Bioaccumulative potential

No indication of bio-accumulation potential.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

This substance does not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

none

Further ecological information

Do not empty into drains or the aquatic environment. Do not allow to enter into soil/subsoil.

Further details

Data arise from reference works and literature.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal/Product

Waste disposal according to EC Directives 75/442/EEC and 91/689/EEC on waste and hazardous waste in their latest versions.

Appropriate disposal / Package

Cleaned containers may be recycled. Handle contaminated packaging in the same way as the substance itself.

List of proposed waste codes/waste designations in accordance with EWC

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Waste code product: 20 01 27 - paint, inks, adhesives and resins containing dangerous substances

Waste code packaging: 15 01 10 - packaging containing residues of or contaminated by dangerous substances

remark

Waste disposal according to official state regulations.

SECTION 14: Transport information

14.1. UN number

UN No.: -

14.2. UN proper shipping name

Official directive for the transport

-
-

Proper Shipping name

-
-

14.3. Transport hazard class(es)

Hazard label(s): -

Classification code: -

14.4. Packing group

Packing group: -

14.5. Environmental hazards

Environmental hazards: none

14.6. Special precautions for user

Land transport (ADR/RID)

Remark: Not a hazardous material with respect to these transportation regulations.

Transport category: -

Tunnel restriction code: -

Special provisions: -

Limited quantity (LQ): -

Sea transport (IMDG)

Special Provisions: Materials to avoid: Oxidizing agents.

Remark: Not a hazardous material with respect to these transportation regulations.

EmS-No: -

MFAG: -

Marine pollutant: -

Special provisions: -

Limited quantity (LQ): -

Air transport (ICAO-TI / IATA-DGR)

Remark: Not a hazardous material with respect to these transportation regulations.

Limited quantity (LQ): -

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remark: none

SECTION 15: Regulatory information

Labeling

Hazardous component(s) for labelling

Trimethoxyvinylsilane

Special labelling of particular preparations

Contains Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate: May produce an allergic reaction. Safety data sheet available for professional user on request.

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

EU legislation

Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).

Volatile organic compounds (VOC) in percentage by weight: 0,0

Regulation (EC) No 2037/2000 concerning materials, which cause damage to the ozone layer.

none

Regulation (EC) No. 648/2004 (Detergents regulation)

none

National regulations

Observe in addition any national regulations!

Restrictions of occupation

none

Storage class

10 Combustible liquids unless LGK 3A or 3B.

Water hazard class (WGK)

1 weak water pollutant (WGK 1)

Other regulations, restrictions and prohibition regulations

none

15.2. Chemical Safety Assessment

For this preparation a chemical safety assessment has been carried out: -

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements

226 Flammable liquid and vapour.

332 Harmful if inhaled.

Training advice

none

Recommended restrictions of use

refer to chapter 1.



Further remarks

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Documentation of changes

none

Key literature references and sources for data

Data arise from reference works and literature.

Abbreviations and acronyms

none