

1 Identification of the substance/preparation and of the company/undertaking

· Product details

· Trade name: **Emtex® T 681 farblos**

· Article number: 032300

· Application of the substance / the preparation

Fire retarding agent

Coating material

· Manufacturer/Supplier:

Weserland GmbH

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e-mail: info@weserland.eu

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· Further information obtainable from:

Quality / environment department, Andreas Ehrle, email: ehrle@weserland.eu

· Information in case of emergency:

Due operating hours

Dept. Quality/Environment

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2 Hazards identification

· Hazard description:



Xn Harmful

· Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 40 Limited evidence of a carcinogenic effect.

R 43 May cause sensitisation by skin contact.

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· Classification system:





The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

· Description:

Aqueous mixture of vinyl chloride polymerizates (as binding agent) with antimony trioxide, chloralkanes (C14 - C17), biocides and dispersing agents.

· Dangerous components:

CAS: 1309-64-4 EINECS: 215-175-0	antimony trioxide Carc. Cat. 3;  Xn; R 40	2.5-10%
CAS: 1241-94-7 EINECS: 214-987-2	2-ethylhexyl diphenyl phosphate  N; R 50/53	≤ 2.5%
CAS: 68608-26-4 EINECS: 271-781-5	sulfonic acids, petroleum, sodium salts  Xi,  N; R 41-51/53	≤ 2.5%





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CAS: 115-86-6 EINECS: 204-112-2	triphenyl phosphate  N; R 50/53	≤ 2.5%
CAS: 55965-84-9	mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC no. 220-239-6] (3:1) mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)  T,  C,  N; R 23/24/25-34-43-50/53	≤ 2.5%

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:**
Seek medical advice immediately show this material safety data sheet.
If swallowed, rinse mouth with water (only if the person is conscious).

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards caused by the substance, its products of combustion or resulting gases:**
May be released in case of fire:
harmfulgases/vapours
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
Being an aqueous system, product itself does not burns. Fire extinguishing measures to be adopted to ambient fire.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective clothing.
- **Measures for environmental protection:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

7 Handling and storage

- **Handling:**
- **Information for safe handling:** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
Store dry and cool, protect from frost.
+5 - +30°C

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· *Storage class: Storage classification (VCI-D): 12 Non-combustible liquids.*

8 Exposure controls/personal protection

· *Additional information about design of technical facilities: No further data; see item 7.*· *Ingredients with limit values that require monitoring at the workplace:***1309-64-4 antimony trioxide**

WEL	Long-term value: 0.5 mg/m ³ as Sb
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· **Additional information:**

Due the binder there is under regular working conditions no danger to exceed the a.m. WEL value(s). In case of formation of aerosol/mist/vapour or in case the dispersion has dried with formation of dust use appropriate respiratory protection.

· **Personal protective equipment:**· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.

· **Respiratory protection:**

Necessary only if the dust WEL/LLV-value is exceeded. If formation of dust (mist, aerosols) occurs, use proper filtering device (e.g. particle filter type P, colour: white).
Filter P2

· **Protection of hands:**

Protective gloves

· **Material of gloves**

Rubber gloves
(EN 374)

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**

Goggles recommended during refilling
Tightly sealed goggles
(EN 166)

· **Body protection:**

Protective work clothing
(EN 344)

9 Physical and chemical properties

· **General Information**

Form:	Fluid
Colour:	Colourless
Odour:	Characteristic

· **Change in condition**

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: ~ 100°C

· **Flash point:** Not applicable.

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· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Density at 20°C:	~ 1.2 g/cm ³
· Solubility in / Miscibility with water:	Fully miscible.
· pH-value at 20°C:	8.5 - 10.5
· Viscosity: Dynamic at 20°C:	650 - 850 mPas
· Solvent content: Organic solvents: VOC (EC)	0.2 % 0.09 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** Hydrogen chloride (HCl)

11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

1309-64-4 antimony trioxide

Oral	LD50	>20000 mg/kg (rat)
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115-86-6 triphenyl phosphite

Oral	LD50	3500 mg/kg (rat)
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- **Primary irritant effect:**

- **on the skin:** No data available.

- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful

Irritant

- **Sensitisation** May cause sensitisation by skin contact.

- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Possible risk of irreversible effects.

12 Ecological information

- **Ecotoxicological effects:**

- **Aquatic toxicity:**

1309-64-4 antimony trioxide

Oral	72h-IC50	67 mg/l (green algae (<i>Selenastrum capricornutum</i>))
	48h-EC50	> 1000 mg/l (daphnia (<i>daphnia magna</i>))
	96h-LC50	> 1000 mg/l (fish (<i>Brachydanio rerio</i>))

- **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

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Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

13 Disposal considerations

- **Product:**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -

- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

- **Transport/Additional information:** Not dangerous according to the above specifications.

15 Regulatory information

- **Labelling according to EU guidelines:**
Observe the general safety regulations when handling chemicals.
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- **Code letter and hazard designation of product:**
Xn Harmful
- **Hazard-determining components of labelling:**
antimony trioxide
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC no. 220-239-6] (3:1) mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)
- **Risk phrases:**
40 Limited evidence of a carcinogenic effect.
43 May cause sensitisation by skin contact.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Safety phrases:**
24 Avoid contact with skin.
36/37 Wear suitable protective clothing and gloves.
60 This material and its container must be disposed of as hazardous waste.
- **National regulations:**
- **Classification according Safety of Operation Ordinance (german):** -

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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 R-phrases

23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

34 Causes burns.

40 Limited evidence of a carcinogenic effect.

41 Risk of serious damage to eyes.

43 May cause sensitisation by skin contact.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Department issuing MSDS:** Quality / env. dept.

· **Contact:** Andreas Ehrle, email: ehrle@weserland.eu

· *** Data compared to the previous version altered.**