

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

- **Product details**
- **Trade name:** Emtex® U 695
- **Article number:** 032110
- **Application of the substance / the preparation** Fire retarding agent
- **Manufacturer/Supplier:**
Weserland GmbH
P.O. Box 21 04 80, 30404 Hannover (Germany)
Hansastraße 9 - 17, 30419 Hannover (Germany)
phone: +49 (0)511 / 97997-0 / fax: +49 (0)511 / 97997-70
e-mail: info@weserland.eu
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- **Further information obtainable from:**
Quality / environment department, Mr. Ehrle, email: ehrle@weserland.eu
- **Information in case of emergency:**
Due operating hours
Dept. Quality/Environment
Phon +49 511 97997-36
or Phon +49 511 97997-0

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.
- **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

- **Chemical characterization**
- **Description:** Aqueous mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 1309-64-4	antimony trioxide	Carc. Cat. 3;  Xn; R 40	> 15 - 30%
EINECS: 215-175-0			

- **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. Then consult a doctor.
- **After swallowing:** Seek medical advice immediately show this material safety data sheet.

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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:
harmful gases/vapours
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
Being an aqueous system, product itself does not burn. Fire extinguishing measures to be adopted to ambient fire.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective clothing.
- **Measures for environmental protection:** 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).
Dispose contaminated material as waste according to item 13.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Prevent formation of aerosols.
Prevent formation of dust.
- **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
- **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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- **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:**
Not required.
In case of dusts/vapours/aerosols being formed: use respiratory equipment with suitable filter or wear a self contained respiratory apparatus.
Filter P2

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· 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
 Safety glasses
 (EN 166)

· Body protection:

 Protective work clothing
 (EN 344)

9 Physical and chemical properties
· General Information

Form:	Fluid
Colour:	White
Odour:	Characteristic

· Change in condition
Melting point/Melting range: Undetermined.
Boiling point/Boiling range: ~ 100°C

· Flash point: Not applicable.

· Self-igniting: Product is not selfigniting.

· Danger of explosion: Product does not present an explosion hazard.

· Density at 20°C: ~ 1.8 g/cm³
· Solubility in / Miscibility with water: Fully miscible.

· pH-value at 20°C: 8.5 - 10.5

· Viscosity:
Dynamic at 20°C: 400 - 600 mPas (Haake VT02)

· Solvent content:
VOC (EC) 0.00 %

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: No dangerous decomposition products known.

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11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values relevant for classification:**
1309-64-4 antimony trioxide

Oral LD50 >20000 mg/kg (rat)

· **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

12 Ecological information

· **Ecotoxicological effects:**

· **Aquatic toxicity:**
1309-64-4 antimony trioxide

72h-IC50 67 mg/l (green algae (*Selenastrum capricornutum*))

48h-EC50 > 1000 mg/l (*daphnia (daphnia magna)*)

96h-LC50 > 1000 mg/l (fish (*Brachydanio rerio*))

· **General notes:**

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

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.

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15 Regulatory information

- **Labelling according to EU guidelines:**
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
- **Risk phrases:**
40 Limited evidence of a carcinogenic effect.
- **Safety phrases:**
22 Do not breathe dust.
36/37 Wear suitable protective clothing and gloves.
60 This material and its container must be disposed of as hazardous waste.
- **National regulations:**

Class	Share in %
III	22.0

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**
40 Limited evidence of a carcinogenic effect.
- **Department issuing MSDS:** *Quality / env. dept.*
- **Contact:** *Mr. Ehrle, email ehrle@weserland.eu*
- *** Data compared to the previous version altered.**

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