

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

- **Product details**
- **Trade name:** Emtex® D 193
- **Article number:** 037180
- **Application of the substance / the preparation** Fire retarding agent
- **Manufacturer/Supplier:**
Weserland GmbH
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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
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2 Hazards identification

- **Hazard description:** Not applicable.
- **Information concerning particular hazards for human and environment:**
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **Additional information:**
Being an aqueous system, product itself does not burns. Fire extinguishing measures to be adopted to the ambient fire. Dried residues possibly may be flammable.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:**
Aqueous dispersion of anorganic aluminium compounds, coated red phosphorus and additives (e.g. dispersing agents).

- **Dangerous components:**

CAS: 21645-51-2 EINECS: 244-492-7	aluminium hydroxide		> 30 - 100%
CAS: 7723-14-0 EINECS: 231-768-7	red phosphorus	 F; R 11-16-52/53	> 15 - 30%

- **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. If symptoms persist, consult a doctor.

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- **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:
harmful gases/vapours
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
The product itself does not burn. Fire extinguishing measures to be adopted to the ambient fire. Dry residues may be inflammable.

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).

7 Handling and storage

- **Handling:**
 - **Information for safe handling:** Keep receptacles tightly sealed.
 - **Information about fire - and explosion protection:** Substance/product is oxidizing when dry.
- **Storage:**
 - **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
 - **Information about storage in one common storage facility:** Not required.
 - **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

- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:**
Due the binder there is under regular working conditions no danger to exceed the dust/a.m. WEL values. 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:**
The usual precautionary measures are to be adhered to when handling chemicals.
 - **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).

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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
 Tightly sealed goggles
 (EN 166)

· Body protection:

 Protective work clothing
 (EN 344)

9 Physical and chemical properties

· General Information

Form:	Fluid
Colour:	red-grey
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: ~ 1.6 g/cm³
· Solubility in / Miscibility with water: Fully miscible.

· pH-value at 20°C: 9.0 - 10.5

· Viscosity:
Dynamic at 20°C: 550 - 800 mPas (Haake VT02)

· Solvent content:
VOC (EC) 0 %

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:**
- **Primary irritant effect:**
- **on the skin:** No data available.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12 Ecological information

- **General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

13 Disposal considerations

- **Product:**
- **Recommendation** Smaller quantities can be disposed of with household waste.
- **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:** -

- **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 is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
- **Safety phrases:**
36/37 Wear suitable protective clothing and gloves.

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**
11 Highly flammable.
16 Explosive when mixed with oxidising substances.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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- **Department issuing MSDS: Quality / env. dept.**
- **Contact: Mr. Ehrle, email ehrle@weserland.eu**
- *** Data compared to the previous version altered.**

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