

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

- **Product details**
- **Trade name:** Emtex® F 394
- **Article number:** 033010
- **Application of the substance / the preparation** Fire retarding agent
- **Manufacturer/Supplier:**
Weserland GmbH
P.O. Box 21 04 80, 30404 Hannover (Germany)
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phone: +49 (0)511 / 97997-0 / fax: +49 (0)511 / 97997-70
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www.weserland.eu
- **Further information obtainable from:**
Quality / environment department, Andrew 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:** Not applicable.
- **Information concerning particular hazards for human and environment:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization:**
- **CAS No. Description**
7782-42-5 Graphite (natural and synthetic) > 50 - 100 Weight-%
- **Chemical characterization**
- **Description:** Expandable graphite, coated with a special dispersing additive.
- **Dangerous components:** Void

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:** 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:**
Carbon monoxide (CO)
Sulphur dioxide (SO₂)
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information** Product is not flammable.

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6 Accidental release measures

- **Person-related safety precautions:**
Wear protective clothing.
Particular danger of slipping on leaked/spilled product.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:** Pick up mechanically.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Provide suction extractors if dust is formed.
Multiple volume increase under influence of heat.
- **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:** 13 (Non combustible solids).

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:**

7782-42-5 Graphite (< 100%)

United Kingdom (Limit value - Eight hours)

 10 mg/m³ inhalable aerosol

 4 mg/m³ respirable aerosol

- **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).
- **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:**
Tightly sealed goggles
(EN 166)

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- **Body protection:**
Protective work clothing
(EN 344)

9 Physical and chemical properties

· General Information

Form:	Powder
Colour:	Grey Black
Odour:	Acidic

· Change in condition

Melting point/Melting range: *Undetermined.*
Boiling point/Boiling range: *Undetermined.*

· **Flash point:** *Not applicable.*

· **Flammability (solid, gaseous):** *Product is not flammable.*

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

· **Density:** *Not determined.*

· **Bulk density at 20°C:** *~ 480 kg/m³*

· **Solubility in / Miscibility with water:** *Insoluble.*

· **pH-value (100 g/l) at 20°C:** *9 - 11 (suspension, dem. water)*

· **Solvent content:**
VOC (EC) *0.00 %*

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
Expandable graphite may release toxic sulphur dioxide when treated with higher temperatures.
- **Dangerous reactions** *No dangerous reactions known.*
- **Dangerous decomposition products:** *Sulphur oxides (SO_x)*

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.
The substance is not subject to classification according to the latest version of the EU lists.

12 Ecological information

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

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Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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.

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:**
The substance is not subject to classification according to EU lists and other sources of literature known to us.
Observe the general safety regulations when handling chemicals.
- **Safety phrases:**
36/37 Wear suitable protective clothing and gloves.
- **National regulations:**
- **Classification according Safety of Operation Ordinance (german):** -

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.

- **Department issuing MSDS:** Quality / env. dept.
- **Contact:** Andrew Ehrle, email: ehrle@weserland.eu