

Printing date 01.07.2009

Revision: 01.07.2009

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

- **Product details**
- **Trade name:** Emtex® T 998
- **Article number:** 031050
- **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
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**
Mixture of cyclic di- and triphosphonates.
Preparation
- **Identification number(s)** No data available.

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).
- **Information for doctor:** Treat symptomatically and supportively.

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
In case of fire, the following can be released:
Phosphorus oxides (eg Phosphorus pentoxide)

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 · **Protective equipment:** Wear self-contained respiratory protective device.

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:** No special measures required.
- **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:** Not required.
- **Further information about storage conditions:**
Store dry and cool, protect from frost.
+5 - +30°C
- **Storage class:** 10 Combustible liquids, if not classified in 3 A or 3 B.

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:** Not required.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Not required.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
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

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9 Physical and chemical properties

· General Information

Form:	Fluid
Colour:	Colourless Yellowish
Odour:	Recognizable

· Change in condition

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

· **Flash point:** Not applicable.

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

· **Density at 20°C:** ~ 1.2 g/cm³

· **Solubility in / Miscibility with water:** Fully miscible.

· **pH-value (100 g/l) at 20°C:** 1.5 - 2.5

· Viscosity:

Dynamic at 20°C: < = 3000 mPas (Brookfield)

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:**

Carbon monoxide
Organic phosphorus compounds

11 Toxicological information

· **Acute toxicity:**

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

Mixture of cyclic di- and triphosphonates.

Oral	LD50	5000 mg/kg (rat)
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· **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.
- **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:**
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.

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