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

- **Product details**
- **Trade name:** Emtex® W 477
- **Article number:** 031010
- **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  
Tel.: +49(0) 511 / 97997-0 / Fax: +49(0) 511 / 97997-70  
e-mail: info@weserland.eu  
internet: www.weserland.eu
- **Further information obtainable from:** Quality / environmental department

**2 Composition/information on ingredients**

- **Chemical characterization**
- **Description:**  
Aqueous dispersion of copolymers of vinylacetate and ethylene in water with an anorganic aluminium compound and additives.
- **Dangerous components:**

CAS: 21645-51-2	aluminium hydroxide	25-50%
EINECS: 244-492-7		
- **Additional information:** For the wording of the listed risk phrases refer to section 16.

**3 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.

**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:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

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- **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:**  
 Dilute with plenty of water.  
 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).
- **Additional information:** No dangerous substances are released.

## 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:** 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:**  
 The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **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 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

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

- **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

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· **Body protection:**

Protective work clothing

(EN 344)

**9 Physical and chemical properties**· **General Information**

<b>Form:</b>	Fluid
<b>Colour:</b>	Black
<b>Odour:</b>	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:** ~ 1.1 g/cm<sup>3</sup>· **Solubility in / Miscibility with****water:** Fully miscible.· **pH-value at 20°C:** 6 - 8· **Viscosity:****Dynamic at 20°C:** 350 - 550 mPas· **Solvent content:****Organic solvents:** 0.1 %**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.**11 Toxicological information**· **Acute toxicity:**· **Primary irritant effect:**· **on the skin:** No data available.· **Sensitization:** No sensitizing effects known.· **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

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**12 Ecological information****· General notes:**

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

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.

**· National regulations:**

Class	Share in %
NK	25.2

**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:** Mr. Ehrle