

**Emufal I**FDS - Rev. 3  
25/11/2008**1. Identification****1.1. Identification of substance or preparation**

EMUFAL I

**1.2. Use of the substance or preparation**

Bituminous emulsion (water based)n for the preparation of surfaces for waterproofing.

**1.3. Company identification****TEXSA SYSTEMS SLU**

C/ Ferro, 7

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**2. Composition/Information on the components****2.1. Identification of substance or preparation**

Asphalt-, water- and emulsifier- bituminous emulsion

**2.2. a. Representative hazardous substances for health or environment**

None

**2.3. Substances declared as not classified as hazardous**

None

**3. Hazard identification****3.1. Main hazards**

None

**3.2. Specific risks**

None

**4. First aid****Inhalation:**

Inhaling fumes cause irritation of the nose or throat or cough. Go out into fresh air.

**Skin contact:**

It can cause irritation. Remove contaminated clothing. Wash the skin with properly soap and water. Do not use solvents or thinners

**Eye contact:**

Wash with abundant fresh, clean water during 10 minutes, keeping the eyelids separated. Send the affected person to an ophthalmologist, specially if eyes are red or there is pain or visual problems.

**Ingestion:**

If the quantity ingested is small, rinse out mouth with water and seek medical aid. Rest and do NOT provoke vomiting.

**5. Fire-fighting measures****5.1. Suitable extinguishing measures:**

Foams, dry chemical powder, carbon dioxide, sand and water sprinkler (mist).

**5.2. Extinguishing measures not to be used:**

In the case of big fires, do not use a water blast

**5.3. Special exposure risks:**

Formation of thick smoke. Exposure to decay products can entail health risks. Prevent fire fighting effluent from penetrating sewers and waterways.

**5.4. Special protection equipment:**

Fire-fighting personnel must be equipped with independent, insulating breathing protection against smoke and decay products.

## 6. Measure to be taken in the case of accidental spillage

### 6.1. Individual precautions:

Ensure suitable ventilation.

### 6.2. Precautions for protection of the environment:

Prevent penetration in sewers or waterways.

### 6.3. Collection/cleaning methods:

Small spills: Wash with solvent. Remove the solvent used by following local regulations.

Big spills: Pump into containers. Collect the remainder with absorbent material, e.g. diatome soil, sand, ...).

Eliminate recovered residue in accordance with regulations in force (see point 13).

## 7. Handling and storage

### 7.1. Handling

Use suitable gloves and suitable goggles. Wash hands before breaks and when the job is done. Don't apply in enclosed or poorly ventilated, etc. Prohibiting eating, drinking or smoking during handling.

### 7.2. Storage

Store the container well closed in dry premises. Avoid temperatures below  $-5^{\circ}\text{C}$ , as well as over  $40^{\circ}\text{C}$ .

### 7.3. Specific uses

Rust-resistance recipients.

## 8. Personal exposure/protection controls

### 8.1. Exposure limit values

|    |    |                |
|----|----|----------------|
| -- | -- | Not applicable |
| -- | -- | --             |
| -- | -- | --             |

### 8.2. Exposure control

#### Respiratory protection:

During application, work in fresh air or in ventilated premises. A mask with filter is recommended.

#### Hand protection:

Use protective gloves for prolonged or repeated contact.

#### Eye protection:

Safety goggles and/or visors to avoid splashing are recommended during application.

#### Skin protection:

During application, protective creams for exposed parts of the skin can be used.

### 8.3. Environment exposure control

Not applicable

## 9. Physical and chemical properties

### 9.1. General

|            |                    |
|------------|--------------------|
| Appearance | Liquid color black |
| Odour      | Light              |

### 9.2. Properties

| Property                | Value                                  | Complementary data                           |
|-------------------------|--|--|
| pH                      | 9 - 12                                 | --   |
| Melting point           | Not applicable                         | --   |
| Boiling point           | $> 100^{\circ}\text{C}$                | --   |
| Flash point             | Not applicable                         | --   |
| Ignition temp.          | Not applicable                         | --   |
| Explosion hazard        | Not applicable                         | --   |
| Vapour pressure         | Not applicable                         | --   |
| Relative density        | $1,0 \text{ g/cm}^3$                   | --   |
| Water solubility        | al in its liquid state. Insoluble when | --   |
| Liposolubility / Fat-so | Partially soluble                      | Soluble in the majority of organic solvents. |
| Viscosity               | 250 cps                                | --   |

|                |                |    |
|----------------|----------------|----|
| Vapour density | Not applicable | -- |
|----------------|----------------|----|

### 9.3. Other values

|    |    |    |
|----|----|----|
| -- | -- | -- |
| -- | -- | -- |
| -- | -- | -- |

## 10. Stability and reactivity

### 10.1. Conditions to be avoided

The product is stable under normal storage and handling conditions.

### 10.2. Materials to be avoided

Should be avoided to mix the product with cationic emulsions or using drums that contained them

### 10.3. Hazardous decomposition products

Incompleted combustion can produce heavy smokes and products as CO, CO<sub>2</sub>, SO<sub>2</sub>..

## 11. Toxicological information

|                  |                                    |
|------------------|------------------------------------|
| High toxicity    | No data available                  |
| Irritation       | Contact with eyes can cause chafes |
| Sensitiveness    | Not applicable                     |
| Chronic toxicity | Not applicable                     |
| Exposure tracts  | Not applicable                     |

### Additional information:

Ingestion can cause vomiting, irritation of the throat and diarrhoea.

## 12. Ecological information

### 12.1. Ecotoxicity

There are no known adverse effects on the environment

### 12.2. Mobility

Avoid circulation of the product in sewers and waterways.

### 12.3. Persistence / Degradability

Low biodegradability

### 12.4. Bioaccumulation potential

Not applicable

### 12.5. Other effects

Not applicable

## 13. Considerations on elimination

### 13.1. Product:

The product can be eliminated from water, in the majority of cases, by abiotic processes, e.g. absorption in activated mud. during pouring in small concentrations, no variations in the functioning of the activated mud are expected in a biologically-adapted purifying plant.

In the European Union there are no homogeneous standards established for eliminations of chemical waste, which is waste of a special nature, and treatment and elimination of same is subject to the domestic legislation in each country.

### 13.2. Package:

Contaminated containers and packaging of dangerous substances or preparations must be treated in the same manner as the actual products contained in them.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

## 14. Information on carriage

|             |      |
|-------------|------|
| ADR         | None |
| IMDG        | None |
| ICAO / IATA | None |
| RID         | None |

|       |                |
|-------|----------------|
| n. UN | Not applicable |
|-------|----------------|

**Complementary information:**

None

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**15. Standard information**

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According to the Directive 67/548/EEC and 1999/45/EC, the product is not hazardous within the meaning of that directive.

**Phrases R:**

None

**Phrases S:**

None

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**16. Other information**

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**Important notice:**

The information included in the Safety Data Sheet is based on our most up-to-date knowledge, and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed.

It will not be accepted any liability (except as specified by law) for the use of information taken from this safety data sheet. It is the responsibility of the user of this product to observe the rules and regulations.

**Restrictions:**

This refers specifically to the products listed and can not be used in other products.

**Changes with respect to previous revision:**

Items have been adjusted to the particulars of the directive 2001/58/EC.

|                           |               |
|---------------------------|---------------|
| <b>1st Edition:</b>       | November 1998 |
| <b>Previous revision:</b> | 2. April 2001 |