

## **PRODUCT SAFETY SPECIFICATIONS**

(In accordance with the REACH Regulation (EC) nº 1907/2006)

Revision no: 07

Emission date: October 2014

### **BITUMINOUS EMULSIONS**

#### **1. Preparation and Company Identification**

**Commercial product names:**

**IMPERKOTE F**

**IMPERKOTE L**

**Description/Use:** Bituminous emulsion for use as a primer in waterproofing systems or other uses.

**Manufacturer:**

IMPERALUM - Sociedade Comercial de Revestimentos e Impermeabilizações, S.A.  
Zona Industrial do Pau Queimado  
Apartado 151  
2874-908 MONTIJO - PORTUGAL  
Telef: + 351 21 232 71 00 e-mail: imperialum@imperialum.pt

**Emergency contacts:** 112 (in Portugal)

#### **2. Identification of hazards**

These products are not classified as hazardous to people or the environment, under Regulation (EC) Nº1272 / 2008.

#### **3. Composition/Information about the components**

**Composition:** Bitumen distillation (no tar), natural emulsifier (bentonite and / or other) water. In some cases (IMPERKOTE L) contains latex.

#### **4. First Aid**

**Inhalation:** Not applicable.

**Skin contact:** Wash the skin thoroughly, preferably before drying. If necessary, in addition of water and soap use a solvent free cleaning product.

**Eye contact:** Rinse with cold and abundant water, keeping eyelids open. Seek medical help.

**Ingestion:** Not applicable.

## 5. Fire fighting measures

**Suitable Extinguishing Media:** Foam, Carbon Dioxide (CO<sub>2</sub>), Dry chemical, Water spray, sand.

**Extinguishing media not listed:** water jet.

**Specific hazards arising from exposure:** Burning produces dense black smoke. Exposure to decomposition products may pose a health risk.

**Protective equipment:** Wear protective equipment to protect respiratory system.

## 6. Measures to be taken in case of an accidental leak

**Individual precautions:** Not applicable.

**Environmental precautions:** Avoid runoff into sewer systems, waterways or land permeable. In case of fire, contain the waste resulting from their combat.

**Cleaning methods:** Collect spilled material if necessary using absorbent (sand or other), packing it into containers for later referral.

## 7. Handling and storage

**Handling:** Observe good handling and cargo transportation.

**Storage:** Store containers upright and closed, even when empty, and preferably protected from exposure to the sun and the weather. Ensure the removal of any possible source of ignition, heat or flame, to avoid the risk of accidental ignition.

**Specific uses:** Application must be performed in accordance with good practice in this type of operation.

## 8. Control of individual exposure/protection

**Exposure Limits:** Not applicable;

**Occupational exposure controls:**

- **Respiratory protection:** None required;
- **Hands protection:** During application of the product always wear gloves. If the use of this product may occur simultaneously with the hot applied bituminous membranes, these gloves must be heat-resistant, preferably with cuffs to ensure coverage of the forearm;

- **Eye protection:** Avoid contact with eyes (by using goggles when necessary).
- **Skin protection:** Wear full clothing, fire resistant, with long sleeves and pants, complete with safety footwear.

**Environmental exposure controls:** Not applicable.

## 9. Physic-chemical properties

### General Information:

Appearance: Pasty at ambient temperature

Colour: Black

Odor: Mild

### Important health, safety and the environment:

pH: Not applicable;

Boiling point / boiling range: > 100 °C (water)

Flash point:> 230 ° C (asphaltic bitumen)

Flammability (solid, gas): Not determined

Explosive properties: Not applicable

Oxidizing properties: Not applicable

Vapour Pressure: Not applicable

Density: 1.00 to 1.10 g / cm<sup>3</sup> (25 ° C)

Solubility: Soluble in most organic solvents, after drying.

Hydro-solubility: Soluble before drying. Insoluble when dry

Partition coefficient n-octanol / water: Not applicable

Viscosity: Not applicable

Vapour Density: Not applicable

Evaporation Rate: 50 – 60 %

### Other Information:

Not applicable

## 10. Stability and reactivity

**Conditions to avoid:** Stable product under normal conditions of storage, handling and use. Follow the rules of storage indicated in 7.2.

**Materials to avoid:** The contact with most hydrocarbons (oils, fuels, solvents, etc.) causes the degradation of the material.

**Hazardous decomposition products:** Combustion of the material can cause the following products: CO, CO<sub>2</sub>, SO<sub>2</sub>, nitrogen oxides, among others. Fumes resulting from this combustion are irritating to eyes and respiratory system.

## 11. Toxicology

**Inhalation:** Not to be considered any effects;

**Ingestion:** No known effects resulting from ingestion of the product;

**Skin contact:** Non-irritating Product;

**Eye Contact:** No known effects resulting from contact with eyes.

## 12. Ecological information

**Eco-toxicity:** No specific data. However, the product should not be sent to sewers without prior treatment;

**Mobility:** Soluble in water, before drying. Insoluble when dry;

**Persistence and degradability:** Product not biodegradable;

**Bio-accumulative potential:** Not known;

**Results of PBT assessment:** Not applicable;

**Other adverse effects:** None known.

## 13. Questions related to removal

The product and respective packaging should be removed in accordance with local legislation.

The product may be considered banal industrial waste and so it is generally authorized to be disposed of in a landfill. The respective European Waste List (LER code) is 170302: "Bituminous mixtures not covered in 170301", meaning that they do not contain tar.

## 14. Indications related to transportation

There are no additional safety precautions to be taken into account during transport, in addition to compliance with the best practices of packaging materials.

**IMDG/ADR/RID//ICAO/IATA:** Not applicable.

## 15. Information on regulation

**Classification:** Materials classified as not hazardous under the Regulation (EC) N°1272/2008 repealing Directives 67/548/EEC and 1999/45/EC and amending Regulation (EC) N° 1907/2006;

**Labeling:** Not required special labeling or apply risk phrases and/or safety;

**Packaging:** Not applicable special requirements.

#### 16. Other information

**Sources of information:** Safety data sheets for raw materials used in the manufacture of the preparation; European waste list (Portaria nº 209/2004, de 3 de Março); Bibliography of specialty

**Recipients:** All distributors, applicators and users of the products referred to in point 1.

**Responsibility for the issue of these specifications:** IMPERALUM, S.A.

**Date issued:** October 2014

**Revision no:** 07

OBS: These specifications contain all the knowledge which IMPERALUM has managed to collect to date. Any addition or evolution of this knowledge will result in the revision of this document.