

# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## FLAMMADUR® F 200 G

Revision date: 30.07.2019

Product code: 12657-0014

Page 1 of 7

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

FLAMMADUR® F 200 G

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Use of the substance/mixture

One-component putty with intumescent effect

#### 1.3. Details of the supplier of the safety data sheet

Company name:	AIK Flammadur Brandschutz GmbH	
Street:	Otto-Hahn-Str. 5	
Place:	D-34123 Kassel	
Telephone:	++49-(0)561-5801-0	Telefax: ++49-(0)561-5801-240
e-mail:	info@aik-flammadur.de	
Contact person:	Herr Mark-Nikolaus Ziegele	
e-mail:	Mark.ziegele@aik-flammadur.de	
Internet:	aik-flammadur.de	
Responsible Department:	Responsible for the safety data sheet: GBK GmbH, Ingelheim	

#### 1.4. Emergency telephone

INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)

#### number:

#### Further Information

Authorisation No.: Z-19.11-1114

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Regulation (EC) No. 1272/2008

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

#### 2.2. Label elements

##### Additional advice on labelling

The product does not require a hazard warning label in accordance with EC directives.

#### 2.3. Other hazards

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Coating material

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

Remove contaminated clothes and wash before re-use.

##### After inhalation

Take affected person into fresh air. Consult a physician.

##### After contact with skin

In case of contact with skin wash off immediately with plenty of water.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## FLAMMADUR® F 200 G

Revision date: 30.07.2019

Product code: 12657-0014

Page 2 of 7

### **After contact with eyes**

Do not rub eyes - contains inorganic fillers, which irritate the eyes mechanically like other inert materials.  
Rinse thoroughly with plenty of water, also under the eyelids.  
If eye irritation persists, consult a specialist.

### **After ingestion**

Never give anything by mouth to an unconscious person. Do not induce vomiting.  
Rinse out mouth and give plenty of water to drink.  
Consult a physician.

### **4.2. Most important symptoms and effects, both acute and delayed**

Not known.

### **4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptoms.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Foam, carbon dioxide (CO<sub>2</sub>), dry chemical, water-spray

### **5.2. Special hazards arising from the substance or mixture**

carbon monoxide and carbon dioxide

### **5.3. Advice for firefighters**

In case of fire, wear suitable respiratory equipment with positive air supply.

### **Additional information**

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with eyes, skin or mucous membrane.

### **6.2. Environmental precautions**

Do not discharge large amounts into the drains or bodies of water.

### **6.3. Methods and material for containment and cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

### **6.4. Reference to other sections**

Information for disposal see section 13.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.  
No special measures necessary if used correctly.

#### **Advice on protection against fire and explosion**

No special precautions required.

#### **Further information on handling**

Take the usual precautions when handling with chemicals.

### **7.2. Conditions for safe storage, including any incompatibilities**

#### **Requirements for storage rooms and vessels**

Keep container tightly closed in a dry, cool and well-ventilated place.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## FLAMMADUR® F 200 G

Revision date: 30.07.2019

Product code: 12657-0014

Page 3 of 7

### Hints on joint storage

No special storage conditions required.  
Keep away from food, drink and animal feeding stuffs.

### Further information on storage conditions

Keep from freezing. Protect from heat and direct solar radiation.

### 7.3. Specific end use(s)

One-component putty with intumescent effect

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
115-77-5	Pentaerythritol, respirable dust	-	4		TWA (8 h)	WEL
9005-25-8	Starch, total inhalable	-	10		TWA (8 h)	WEL

### 8.2. Exposure controls



#### Appropriate engineering controls

Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

#### Protective and hygiene measures

Take the usual precautions when handling with chemicals.  
Wash hands before breaks and at the end of workday.  
When using do not eat, drink or smoke.

#### Eye/face protection

During transferring safety goggles are recommended.  
Tightly fitting goggles (EN 166).

#### Hand protection

Chemical-resistant gloves (EN 374) Safety gloves for the site (EN420, Cat. 1 or 2).  
Follow the recommendations of the glove manufacturer for breakthrough properties especially for workplace conditions involving mechanical stress and contact duration.

#### Skin protection

Protective clothing

#### Respiratory protection

Not required under normal use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	Putties	
Colour:	Green	
Odour:	Characteristic	
pH-Value:		Not determined
<b>Changes in the physical state</b>		
Melting point:		Not determined

# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## FLAMMADUR® F 200 G

Revision date: 30.07.2019

Product code: 12657-0014

Page 4 of 7

Initial boiling point and boiling range:	Not determined
Sublimation point:	Not determined
Softening point:	Not determined
Flash point:	Not applicable
Sustaining combustion:	Not sustaining combustion

### Flammability

Solid:	Not applicable
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### Explosive properties

The product is not explosive.

Lower explosion limits:	Not applicable
Upper explosion limits:	Not applicable
Ignition temperature:	Not applicable

### Auto-ignition temperature

Solid:	Not applicable
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### Oxidizing properties

The product is not self-igniting

Vapour pressure:	Not applicable
Density (at 20 °C):	1,1 - 1,3 g/cm <sup>3</sup>
Water solubility:	Completely miscible
Partition coefficient:	Not applicable
Viscosity / kinematic:	Not applicable
Flow time:	Not applicable
Solvent content:	0,0%

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

None under normal processing.

### 10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat.  
Keep from freezing.

### 10.5. Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

No decomposition if stored and applied as directed.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## FLAMMADUR® F 200 G

Revision date: 30.07.2019

Product code: 12657-0014

Page 5 of 7

### **Toxicokinetics, metabolism and distribution**

Health injuries are not known or expected under normal use.

### **Acute toxicity**

Based on available data, the classification criteria are not met.

### **Irritation and corrosivity**

Based on available data, the classification criteria are not met.

Contact with eyes may cause irritation. Do not rub eyes - contains inorganic fillers, which irritate the eyes mechanically like other inert materials.

### **Sensitising effects**

Based on available data, the classification criteria are not met.

Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons.

### **Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

### **STOT-single exposure**

Based on available data, the classification criteria are not met.

### **STOT-repeated exposure**

Based on available data, the classification criteria are not met.

### **Aspiration hazard**

Based on available data, the classification criteria are not met.

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

Ecological data are not available.

### **12.2. Persistence and degradability**

Not determined

### **12.3. Bioaccumulative potential**

Not determined

### **12.4. Mobility in soil**

Negligible

### **12.5. Results of PBT and vPvB assessment**

Not determined

### **12.6. Other adverse effects**

Harmful to aquatic life with long lasting effects.

### **Further information**

Do not flush into surface water or sanitary sewer system.

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

#### **Advice on disposal**

Do not discharge into the drains/surface waters/ground water. The waste code number must be agreed with the disposer / manufacturer / competent authority. Waste disposal according to local regulations.

#### **Waste disposal number of waste from residues/unused products**

200127 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); paint, inks, adhesives and resins containing hazardous substances; hazardous waste

# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## FLAMMADUR® F 200 G

Revision date: 30.07.2019

Product code: 12657-0014

Page 6 of 7

### Waste disposal number of contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

### Contaminated packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed of like the product.

## SECTION 14: Transport information

### Land transport (ADR/RID)

**14.1. UN number:** No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.

**14.4. Packing group:** No dangerous good in sense of this transport regulation.

### Inland waterways transport (ADN)

**14.1. UN number:** No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.

**14.4. Packing group:** No dangerous good in sense of this transport regulation.

### Marine transport (IMDG)

**14.1. UN number:** No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.

**14.4. Packing group:** No dangerous good in sense of this transport regulation.

### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number:** No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.

**14.4. Packing group:** No dangerous good in sense of this transport regulation.

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

### 14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No dangerous good in sense of this transport regulation.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU regulatory information

2004/42/EC (VOC): 0%

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

#### National regulatory information

# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## FLAMMADUR® F 200 G

Revision date: 30.07.2019

Product code: 12657-0014

Page 7 of 7

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water contaminating class (D): 1 - slightly water contaminating

### **15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

## **SECTION 16: Other information**

### **Changes**

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### **Abbreviations and acronyms**

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (Agreement concerning the international carriage of Dangerous goods by Road);  
IMDG-Code: International Maritime Code for Dangerous Goods;  
ICAO: International Civil Aviation Organisation (IATA: The International Air Transport Association);  
GHS: Globally Harmonized System of Classification, Labelling and Packaging of Chemicals;  
EINECS: European Inventory of Existing Commercial Chemical Substances;  
ELINCS: European List of Notified Chemical Substances;  
CAS-Nr.: Chemical Abstracts Service;  
LC50: Lethal concentration, 50%;  
LD50: Lethal dose, 50%.

### **Further Information**

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*