(in compliance with Regulation (EC) 1907/2006,1272/2008 and



Regulation (EC) 453/2010)

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# SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE **COMPANY / UNDERTAKING**

#### 1.1 Product identifier

HAFŤÁK Product Name

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

Recommended use Walling or fastening of stove tiles, fireclay slabs or plates.

Infertile space backing of fireclay lining.

Roughness levelling mass. Roughcast performing.

Bonding material for pre-manufactured blocks from stove

tiles or fireclsy bricks. Self-bearing sections creating.

Uses advised against None in particular

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

Name or trade name of the **manufacturer**: Průmyslová keramika, spol. s r.o. Registered office/place of business: Spešovská 627, 679 02 Rájec-Jestřebí

Czech Republic

Telephone: +420-516 432 197, 516 432 251

Fax: +420-516 432 273 Email: prumker@prumker.cz

# 1.4 Emergency telephone – Czech Republic:

+420 - 224 91 92 93; 224 91 54 02 (24hour service)

Klinika nemocí z povolání – Toxikologické informační středisko, Na Bojišti 1, 128 08 Praha 2, CZ

#### SECTION 2: HAZARDS IDENTIFICATION

# 2.1 Classification of the substance or mixture

This product does not meet the criteria for classification as hazardous as defined in the Regulation EC 1272/2008 and in Directive 67/548/EEC.

This material is a NORM (Naturally Occuring Radioactive Material). It contains trace amounts of naturally occurring radioactive substances and has a typical activity concentration of 1 Bq/g.

This product should be handled with care to avoid dust generation.

# Regulation EC 1272/2008

No classification

Classification EU (67/548/EEC)

No classification

# 2.2 Label elements

None.

## 2.3 Other hazards

None

# **SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

#### 3.1 Substances

Product is mixture more materials.

#### 3.2 Mixtures

Preparation is homogenous dry mixture on base low iron fireclay.

# **SECTION 4: FIRST AID MEASURES**

#### 4.1 Description of first aid measures

General advice No hazards which require special first aid measures

Rinse with copious quantities of water and seek medical attention if irritation persists Eve contact

Skin contact No special first aid measures necessary

No first aid measure required Ingestion

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**Inhalation** Movement of the exposed individual from the area to fresh air is recommended

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

Main symptoms No acute and delayed symptoms and effects are observed

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

**Notes to physician** No special first aid measures necessary

# **SECTION 5: FIREFIGHTING MEASURES**

## 5.1 Extinguishing media

No specific extinguishing media is needed

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

Non combustible. No hazardous thermal decomposition

# 5.3 Advice for firefighters

No specific fire-fighting protection is required

# **SECTION 6: ACCIDENTAL RELEASE MEASURES**

# 6.1 Personal precautions, protective equipment and emergency procedures

Avoid airborne dust generation, wear personal protective equipment in compliance with national legislation

## 6.2 Environmental precautions

No special requirements

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

Avoid dry sweeping and use water spraying or vacuum cleaning systems to prevent airborne dust generation. Wear personal protective equipment in compliance with national legislation

## 6.4 Reference to other sections

See sections 8 and 13

# **SECTION 7: HANDLING AND STORAGE**

# 7.1 Precautions for safe handling

Avoid airborne dust generation. Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation, wear suitable respiratory protective equipment. Handle packaged products carefully to prevent accidental bursting. If you require advice on safe handling techniques, please contact your supplier or check the Good Practice Guide referred to in section 16.

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

Minimise airborne dust generation and prevent wind dispersal during loading and unloading. Keep containers closed and store packaged products so as to prevent accidental bursting. Store in dry, sheltered places, frost-free.

#### 7.3 Specific end use(s)

If you require advice on specific uses, please contact your supplier

# **SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

# 8.1 Control parameters

**Exposure limits** Follow workplace regulatory exposure limits for all types of airborne dust (e.g. total dust, respirable dust)

Substance	CAS	PEL/NPK-P (mg/m³)
Dust		8

Substance	PEL <sub>r</sub> (mg/m3)		PEL <sub>C</sub> (mg/m3)
	Fr ≤ 5 %	Fr > 5 %	
Fireclay	2,0	10 : Fr	10

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8.2 Exposure controls

Appropriate engineering controls Minimise airborne dust generation. Use process enclosures, local exhaust

ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organisational measures, e.g. by isolating personnel from

dusty areas. Remove and wash soiled clothing

Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side-shields in circumstances where there is a

risk of penetrative eye injuries

**Skin protection** No specific requirement. For hands, see below. Appropriate protection

(e.g. protective clothing, barrier cream) is recommended for workers who

suffer from dermatitis or sensitive skin

**Hand protection** Appropriate protection (e.g. gloves, barrier cream) is recommended for

workers who suffer from dermatitis or sensitive skin. Wash hands at the

end of each work session

**Respiratory protection** In case of prolonged exposure to airborne dust concentrations, wear a

respiratory protective equipment that complies with the requirements of

European or national legislation

**Environmental Exposure Controls** Avoid wind dispersal

# **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

Physical state (at °C): mixture of solid substances

Colour: brown
Odour: odourless
pH (at °C): not specified

Boiling point/boiling range (°C): not applicable (solid inorganic substance)

Melting point/melting range (°C): not specified

Flash point (°C): not applicable (not flammable)
Flammability: non-flammable material
Explosive properties: not applicable (not flammable)

Explosive limits: upper limit (% vol.): immeasurable

lower limit (% vol.): immeasurable
Oxidising properties: not specified
Vapour pressure (at °C): not specified
Relative density (at 20°C/68°F): not specified
Solubility (at °C): insoluble in fats
Water solubility (at °C): partly soluble

Partition coefficient n-octanol/water: insoluble in both water and n-octanol Viscosity: insoluble in both water and n-octanol not applicable (solid inorganic substance) not applicable (solid inorganic substance)

Evaporation rate: not specified

#### 9.2 Other information

Not applicable.

# **SECTION 10: STABILITY AND REACTIVITY**

Stable under normal usage and storage conditions

10.1 Reactivity

Inert, not reactive

#### 10.2 Chemical stability

Chemically stable

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# 10.3 Possibility of hazardous reactions

No hazardous reactions

10.4 Conditions to avoid

Not relevant

10.5 Incompatible materials

No particular inkompatibility

10.6 Hazardous decomposition products

Not relevant

# **SECTION 11: TOXICOLOGICAL INFORMATION**

#### 11.1 Information on toxicological effects

**Acute toxicity** Based on available data, the classification criteria are not met Skin corrosion/irritation Based on available data, the classification criteria are not met Based on available data, the classification criteria are not met Serious eye damage/irritation Respiratory or skin sensitisation Based on available data, the classification criteria are not met Germ cell mutagenicity Based on available data, the classification criteria are not met Carcinogenicity Based on available data, the classification criteria are not met Reproductive toxicity Based on available data, the classification criteria are not met Based on available data, the classification criteria are not met STOT-single exposure STOT-repeated exposure Based on available data, the classification criteria are not met Based on available data, the classification criteria are not met **Aspiration hazard** 

# **SECTION 12: ECOLOGICAL INFORMATION**

# 12.1 Toxicity

Not relevant

#### 12.2 Persistence and degradability

Not relevant

# 12.3 Bioaccumulative potential

Not relevant

# 12.4 Mobility in soil

Negligible

# 12.5 Results of PBT and vPvB assessment

This product is an inorganic substance and does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH

## 12.6 Other adverse effects

No specific adverse effects known

# **SECTION 13: DISPOSAL CONSIDERATIONS**

# 13.1 Waste treatment methods

Waste from residues / unused products

Where possible, recycling is preferable to disposal. Can be disposed of in compliance with local regulations

#### **Packaging**

Dust formation from residues in packaging should be avoided and suitable Wolker protection assured. Store used packaging in enclosed receptacles. Recycling and disposal of packaging should be carried out in compliance with local regulations. The re-use of packaging is not recommended. Recycling and disposal of packaging should be carried out by an authorised waste management company

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# **SECTION 14: TRANSPORT INFORMATION**

This material is a NORM (Naturally Occurring Radioactive Material). It contains trace amounts of naturally occurring radioactive substances and has a typical activity concentration of 1 Bq/g

#### 14.1 UN number

Not regulated

#### 14.2 UN proper shipping name

Not regulated

# 14.3 Transport hazard class(es)

Not regulated

# 14.4 Packing group

Not regulated

#### 14.5 Environmental hazards

Not applicable

#### 14.6 Special precautions for user

Not applicable

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

# **SECTION 15: REGULATORY INFORMATION**

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

National regulatory informationNo information availableInternationalNo information available

legislation/requirements

#### 15.2 Chemical safety assessment

Exempted from REACH Registration in accordance with Annex V.7

# **SECTION 16: OTHER INFORMATION**

#### List of R-phrases used in the Safety Data Sheet

R-phrases are not

#### **Training**

Workers must be trained in the proper use and handling of this product as required under applicable regulations **Third party materials** 

Insofar as materials not manufactured or supplied by Průmyslová keramika, spol.s r.o. are used in conjunction with, or instead of Průmyslová keramika, spol. s r.o. materials, it is the responsibility of the customer himself to obtain, from the manufacturer or supplier, all technical data and other properties relating to these and other materials and to obtain all necessary information relating to them. No liability can be accepted in respect of the use HAFŤÁK in conjunction with materials from another supplier.

## Disclaimer

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.