

according to Regulation (EC) No 1907/2006

FLAMRO BK-N

Revision date: 09.05.2018

Product code: 00150-0051

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In the supplied condition: Health injuries are not known or expected under normal use.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

Fire protection pads;

Composition:

Plastic bag with filling (mixture of organic and inorganic compounds)

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
16828-12-9	Aluminium sulfate hydrate (1:14)			75 - < 80 %
	233-135-0		01-2119531538-36	
	Met. Corr. 1, Eye Dam. 1; H290 H318			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

The first-aid measures refer to the contact with dust arising during the accidental destroying of the fire protection pad. Health injuries are not known or expected under normal use.

After inhalation

By the accidental destroying of the fire protection pad: Do not breathe dust. In case of inhaling dust (possibly caused by abrasion) the affected person should be moved into fresh air. In case of unwellness seek medical advice.

After contact with skin

Remove and wash contaminated clothing before re-use. Wash off with soap and plenty of water. Consult a doctor if skin irritation persists.

After contact with eyes

By the accidental destroying of the fire protection pad: Do not rub eyes - contains inorganic fillers, which irritate the eyes mechanically like other inert materials. Remove contact lens. Rinse thoroughly with plenty of water, also under the eyelids. Consult a physician.

After ingestion

By the accidental destroying of the fire protection pad: Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Summon a doctor immediately.

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

See also chapter: 4.1, 11. Possible symptoms: irritation of skin and the eyes.

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

No data available.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

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Suitable extinguishing media

Fire protection material.
Fire-extinguishing activities according to surrounding.

Unsuitable extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

None

5.3. Advice for firefighters

Protective equipment has to be chosen according to the ambient conditions.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid the formation and deposition of dust. Do not breathe dust. Use breathing apparatus if exposed to dust.

6.2. Environmental precautions

Dispose of in closed containers. Do not discharge into the drains/surface waters/ground water.

6.3. Methods and material for containment and cleaning up

Do not stir up dust. Collect mechanically using a damp cloth for later recycling. Use approved industrial vacuum cleaner for removal.

6.4. Reference to other sections

Information for personal protective equipment look up chapter 8.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Ensure adequate ventilation, especially in confined areas. Avoid dust formation.

Advice on protection against fire and explosion

No specific fire preventions necessary. Pay attention to general rules of internal fire prevention.

Further information on handling

Take the usual precautions when handling with chemicals. Wash hands before breaks and at the end of workday. Keep away from food, drink and animal feeding stuffs. Remove contaminated soaked clothing immediately, don't leave to dry.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Protect against physical damage.

Advice on storage compatibility

Do not store with acids. Do not store together with food.

Further information on storage conditions

Protect from wetness. Keep away from water.

7.3. Specific end use(s)

Fire protection pads

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

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Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
12001-26-2	Mica, total inhalable	-	10		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

8.2. Exposure controls**Appropriate engineering controls**

Technical and organisational measures must be applied preferentially (personal protection equipment must not be a permanent arrangement). Ensure adequate ventilation, especially in confined areas. Avoid the formation and deposition of dust.

Protective and hygiene measures

Take the usual precautions when handling with chemicals.

Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing. Remove contaminated soaked clothing immediately.

Eye/face protection

Eye wash bottle with pure water (EN 15154).

Tightly fitting goggles (EN 166).

Hand protection

Protective gloves (EN 374)

Safety gloves for the site (EN420, Cat. 1 or 2)

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Skin protection

Wear closed/long working clothes.

Respiratory protection

Breathing apparatus (particle filter P2) only if dust is formed.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	Solid matter
Colour:	according to product specification
Odour:	Odourless

Test method

pH-Value: not applicable in delivery state.

Changes in the physical state

Melting point:	Not determined
Initial boiling point and boiling range:	Not determined
Flash point:	Not applicable

Explosive properties

The product is not explosive.

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



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Decomposition temperature: Not determined

Oxidizing properties

The product is not self-igniting

Water solubility: Immiscible
(at 20 °C)**Solubility in other solvents**

Not determined

Viscosity / dynamic: Not determined
(at 20 °C)

Viscosity / kinematic: Not determined

9.2. Other information

No data available.

SECTION 10: Stability and reactivity**10.1. Reactivity**

No hazardous reactions known.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Chemically inert.

10.4. Conditions to avoidProtect against physical damage.
Protect from wetness. Keep away from water.**10.5. Incompatible materials**

No data available.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

No toxicological data available.

Acute toxicity

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

Irritation and corrosivity

Causes serious eye damage.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Release of dust may result from destroying of the fire protection pad.

Dust particles, like other inert materials, are mechanically irritating the eyes. Repeated or prolonged exposure may cause irritation of eyes and skin.

Sensitising effects

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

No sensitizing effect known.

Carcinogenic/mutagenic/toxic effects for reproduction

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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.

Further information

If appropriately handled and if in accordance with the general hygienic rules, no damages to health have become known.

SECTION 12: Ecological information**12.1. Toxicity**

No data available.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

Negligible

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

Not known.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Disposal in accordance with local regulations.

Waste disposal number of waste from residues/unused products

160304 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; inorganic wastes other than those mentioned in 16 03 03

Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

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.



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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.

Other applicable information

Not applicable No hazardous material as defined by the transport regulations.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

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

National regulatory information

Water contaminating class (D): - - not 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

Relevant H and EUH statements (number and full text)

H290 May be corrosive to metals.

H318 Causes serious eye damage.



Safety Data Sheet



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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.)

