

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Print date: Sep 15th, 2016
Revision date: Jan 6th, 2022
Valid from: Jan 6th, 2022
Version: 5

Replaces version: 4

KAIFLEX[®] elastomeric foam (FEF) and elastomeric accessories

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

1.1 Product identifier

Substance name / trade name:

Kaiflex factory made elastomeric foam (FEF) with and without self-adhesive backing, named Kaiflex KKplus (s1,s2,s3), KK, LS, ST(plus), EF, EF-E(plus), HF, HFplus s1,s2, HFplus Alu-Net SK, EPDM(plus) s1,s2, HT, HTplus, Duct (plus), railLSLT, railCLAD, railPROTECT; Kaisound; Kaivenience; elastomeric cladding Protect R (HD); semi-rigid foam R-FORCE and comCLAD (HD), with and without laminated covering PROTECT HD, alu, alu-net, alu-FSK, alu-Tec, F-black/alu, INCERAM; pipe and duct supports Kaiflex RT and Kaifix; polymer based fire protection mat Pyrostar.

Index No.: Not applicable.

EC No.: Not applicable.

CAS No.: Not applicable.

REACH Registration No.: Not applicable.

Other means of identification: None.

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

Relevant identified uses:

Insulation

Uses advised against:

Not applicable.

1.3 Details of the supplier of the safety data sheet

Supplier

Kaimann GmbH

Address

Hansastraße 2-5
D-33161 Hövelhof

Information contact

Kaimann GmbH - Technik

Phone / Fax / E-Mail (competent person)

+49 (0) 5257-9850-0 / +49 (0) 5257-9850-590/ E-Mail: msds@kaimann.de

1.4 Emergency telephone number

Advice center for poisoning symptoms and embryonic toxicology (Giftnotruf Berlin) Tel.: +49 (0) 30 -1 92 40 ·
www.giftnotruf.de

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to (EC) No. 1272/2008.
The product is not classified as hazardous or dangerous.

2.2 Label elements

Hazard pictograms according to (EC) No. 1272/2008

Pictogram:

None.

Signal word:

None.

Hazard components for labeling

None.

Hazard statements:

Not applicable.

Precautionary statements:

Not applicable.

Supplemental hazard information (EU)

Not applicable.

2.3 Other hazards

Not applicable.

PBT: not applicable.

vPvB: not applicable.

SECTION 3: Composition / information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

Substance name

Not applicable.

(Full text of R-, H- and EUH-phrases: see section 16)

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SECTION 4: First aid measures

4.1 Description of first aid measures

Following inhalation

Not applicable.

Following skin contact

Remove possible residues of (self-) adhesive by thoroughly rinsing using water and soap.

Following eye contact

Not applicable.

Following ingestion

If possible induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Not applicable.

4.3 Indication of any immediate medical attention and special treatment needed

Not applicable.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media: CO₂, extinguishing powder or water jet.

Unsuitable extinguishing media: /

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire: carbon monoxide (CO), carbon dioxide (CO₂).

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus.

Do not inhale explosion gases or combustion gases.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Not applicable.

6.2 Environmental precautions

Not applicable.

6.3 Methods and material for containment and cleaning up

Retrieve mechanically.

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6.4 Reference to other sections

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for information on disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Not applicable.

Fire preventions

Not applicable.

Aerosol and dust generation preventions

Not applicable.

Environmental precautions

Not applicable.

Advice on general occupational hygiene

Not applicable.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Not applicable.

Requirements for storage rooms and vessels

Not applicable.

Storage class:

/

7.3 Specific end uses

Specific end uses

See technical data sheet, installation guide.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Not applicable.

8.2 Exposure controls and monitoring

Appropriate engineering controls

No further data; see section 7.

Personal protective equipment

Not required.

Eye / Face protection

Not required.

Skin protection

Not required.

Hand protection

Not required.

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Other skin protection measures

Not required.

Respiratory protection

Not required.

Thermal hazards

Not required.

Environmental exposure controls

No further data; see section 7.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

- Physical state:	Solid
- Colour:	Grey-black
Odour:	Not applicable
pH:	Neutral (~7)
Melting point/freezing point:	Not applicable
Initial boiling point/boiling range:	Not applicable
Flash point:	Not determined
Evaporation rate:	Not determined
Flammability (solid, gas):	> 300 °C
Upper/lower flammability or explosive limits:	Not applicable
Upper explosive limits:	Not applicable
Lower explosive limits:	Not applicable
Vapour pressure:	Not applicable
Vapour density:	Not applicable
Relative density:	0.08-0.03 g/cm ³
Solubility(ies):	Non soluble
Partition coefficient: n-octanol/water:	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	>300 °C
Viscosity:	Not applicable
Viscosity, dynamic:	Not applicable

9.2 Other information

No further data.

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SECTION 10: Stability and reactivity

10.1 Reactivity

Not reactive if used correctly.

10.2 Chemical stability

Product is stable under normal conditions.
No decomposition when used as directed.

10.3 Possibility of hazardous reactions

No hazardous reactions known.

10.4 Conditions to avoid

Avoid the effect of naked flames.

10.5 Incompatible materials

Strong acids or alkalics; strong oxidizing agents.

10.6 Hazardous decomposition products

No hazardous reactions known if applied properly.
At high temperatures hazardous decomposition products such as carbon monoxide and carbon dioxide can be formed.

SECTION 11: Toxicological information

According to our experience and the information available to us, the product has no negative impact on health if handled correctly and used as directed.

SECTION 12: Ecological information

According to our experience and the information available to us, the product has no negative impact on the environment if handled correctly and used as directed. The product is not classified as a water pollutant.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product / Packaging disposal

The packaging should be disposed according to the official local provisions.

Waste codes / waste designations according to EWC / AVV

Waste classification ordinance 07 02 13 (plastic waste)
POP regulation (EC) Nr. 580/2004 Art. 7 (2): No Hexabromocyclododecane (HBCD)
Note: The waste can be classified differently depending on the location where the product is used. Please note EU resolution 2001 / 118 / EC.

Special precautions

Not applicable.

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Relevant EU or other regulations

The waste classification may change depending on the area of application of the product. Please observe EC Directive 2001/118/EC must be observed.

SECTION 14: Transport information

Product is not hazardous in terms of the transport regulations (ADR/RID, IMDG code, ICAO-TI / IATA-DGR).

SECTION 15: Regulatory information

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

EU regulations

Guideline 2012/18/EC

Listed substances – ANNEX I: Not contained.

The product does not need to be labelled in line with preparations directive 1999 /45 / EC.

SECTION 16: Other information

16.1 Indication of changes

Adapted to CLP/GHS requirements.

16.2 Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

BCF: Biological Concentration Factor

CAS: Chemical Abstracts Service (division of the American Chemical Society)

CMR: Cancerogenic-mutagenic-reproductive toxic

DNEL: Derived No-Effect Level

EAK: Europäischer Abfallkatalog

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

Eye Irrit.: Serious eye damage/eye irritation

Flam. Liq.: Flammable liquids

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

IMDG: International Maritime Code for Dangerous Goods

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NOEC: No Observed Effect Concentration

NOEL: No Observed Effect Level

OEL: Occupational Exposure Limits

PBT: Persistent, bioaccumulative, toxic

PNEC: Predicted No-Effect Concentration (REACH)

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Repr.: Reproductive toxicity
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
Skin Irrit.: Skin corrosion/irritation
Skin Sens.: Sensitisation – Skin
STOT: Specific target organ toxicity
STOT SE: Specific target organ toxicity - Single exposure
STOT RE: Specific target organ toxicity - Repeated exposure
SVHC: Substance of Very High Concern
vPvB: very Persistent, very Bioaccumulative

16.3 Key literature references and sources for data

The information contained in this safety data sheet reflects our current level of knowledge and complies with national and EU legislation. However, the working conditions of the user are unknown to us and are outside of our control.

The details in this safety specification sheet describe the safety requirements for our products and offer no assurance as to the product's properties.

16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008

Directive (EC) Nr. 1272/2008 [CLP].

16.5 Relevant R-, H- and EUH-phrases (number and full text)

Not applicable.

16.6 Training advice

See Kaiflex[®] manuals.

16.7 Further information

None.