

Product Information Sheet

according to 1907/2006/EC, Article 31 and 2015/830

K-FLEX K-FONIK OPEN CELL

1 IDENTIFICATION OF THE ARTICLE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product code : K-FLEX K-FONIK OPEN CELL

Trades code : isol006a

1.2 Relevant identified uses of the article/mixture and uses advised against

Polymer foam for thermal insulation.

1.3 Details of the supplier of the information sheet

L'Isolante K-Flex SpA

Via Don Locatelli, 35, 20877. Roncello, MB, Italia

Persona competente responsabile della scheda di sicurezza: Kflex-Reach@isolante.com

1.4 Emergency telephone number

CAV "Osp. Pediatrico Bambino Gesù" DEA. Roma, P.za Sant'Onofrio, 4 - 00165. Tel 06 68593726

Az. Osp. Univ. Foggia. Foggia, V.le Luigi Pinto, 1 - 71122. Tel 800183459

Az. Osp. "A. Cardarelli". Napoli, Via A. Cardarelli, 9 - 80131. Tel 081-5453333

CAV Policlinico "Umberto I". Roma, V.le del Policlinico, 155-161. Tel 06-49978000

CAV Policlinico "A. Gemelli". Roma, Largo Agostino Gemelli, 8 - 168. Tel 06-3054343

Az. Osp. "Careggi" U.O. Tossicologia Medica. Firenze, Largo Brambilla, 3 - 50134. Tel 055-7947819

CAV Centro Nazionale di Informazione Tossicologica. Pavia, Via Salvatore Maugeri, 10 - 27100. Tel 0382-24444

Osp. Niguarda Ca' Granda. Milano, Piazza Ospedale Maggiore, 3 - 20162. Tel 02-66101029

Azienda Ospedaliera Papa Giovanni XXII. Bergamo, Piazza OMS, 1 - 24127. Tel 800883300

In caso di incidente il centro antiveneni più vicino è visibile al seguente link:

<https://poisoncentres.echa.europa.eu/it/appointed-bodies>

2 HAZARDS IDENTIFICATION

2.1 Classification of the article

Classification according to Regulation (EC) No 1272/2008:

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

Pictograms:

None

Hazard Class and Category Code(s):

Nonhazardous

Hazard statement Code(s):

Nonhazardous

2.2 Label elements

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Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):

None

Hazard statement Code(s):

Nonhazardous

Supplemental Hazard statement Code(s):

not applicable

Precautionary statements:

None in particular.

2.3 Other hazards

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

No information on other hazards

This document is outside the scope of Article 31 of REACH

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

No substance to signal.

3.2 Article/Mixtures

Irrilevant

4 FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area.

If you feel unwell seek medical advice.

Direct contact with skin (of the pure product):

Wash thoroughly with soap and running water.

Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water for at least 10 minutes.

Ingestion:

Rinse mouth with water of the subject. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

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5 FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Advised extinguishing agents:

Water spray, CO₂, foam, dry chemical, depending on the materials involved in the fire.

Extinguishing means to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

5.2 Special hazards arising from the substance or mixture

No data available.

5.3 Advice for fire-fighters

Use protection for the breathing apparatus

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

Wear gloves and protective clothing

For emergency responders:

Wear gloves and protective clothing

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

6.2 Environmental precautions

Contain spill

Inform the competent authorities.

Discharge the remains in compliance with the regulations

6.3 Methods and material for containment and cleaning up

For containment:

Recover the product for reuse, if possible, or the removal.

For cleaning up:

After wiping up, wash the area and materials involved

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Other information:

None in particular.

- 6.4 Reference to other sections
Refer to paragraphs 8 and 13 for more information

7 HANDLING AND STORAGE

- 7.1 Precautions for safe handling
At work do not eat or drink.
See also paragraph 8 below.
- 7.2 Conditions for safe storage, including any incompatibilities
Keep in original container closed tightly. Do not store in open or unlabeled containers.
Keep containers upright and safe by avoiding the possibility of falls or collisions.
Store in a cool place, away from sources of heat and direct exposure of sunlight.
- 7.3 Specific end use(s)
Professional use:
Follow the rules of good hygiene in the workplace.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters
No data available.
- 8.2 Exposure controls
Appropriate engineering controls:
Professional use:
Well ventilated environment. Observe the safety measures used in handling chemicals.
Individual protection measures:
a) Eye / face protection
Not needed for normal use.
b) Skin protection
i) Hand protection
Not needed for normal use.
ii) Other
Wear normal work clothing.
c) Respiratory protection
Not needed for normal use.

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d) Thermal hazards

No hazard to report

Environmental exposure controls:

Use according to good working practices to avoid pollution into the environment.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Appearance	Solid	
Odour	Characteristic	
Odour threshold	Undefined	
pH	7 (aqueous extraction)	
Melting point/freezing point	Irrelevant	
Initial boiling point and boiling range	Undefined	
Flash point	Undefined	
Evaporation rate	Undefined	
Flammability (solid, gas)	Euroclass (EN 13501)	
Upper/lower flammability or explosive limits	Undefined	
Vapour pressure	Undefined	
Vapour density	Undefined	
Relative density	100-300 kg/m3	
Solubility	Undefined	
Water solubility	Not water soluble	
Partition coefficient: n-octanol/water	Undefined	
Auto-ignition temperature	Undefined	
Decomposition temperature	>200°C	
Viscosity	Undefined	
Explosive properties	Undefined	
Oxidising properties	Undefined	

9.2 Other information

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No data available.

10 STABILITY AND REACTIVITY

10.1 Reactivity

No reactivity hazards

10.2 Chemical stability

No hazardous reaction when handled and stored according to provisions.

10.3 Possibility of hazardous reactions

A reaction can occur in case of contact with strong oxidants.

10.4 Conditions to avoid

Eliminate sources of ignition.

10.5 Incompatible materials

Strong mineral acids (nitric acid, hydrochloric acid, sulfuric acid, hydrofluoric acid), bromine, chlorine, hydrogen peroxide, aniline, benzene, chloroform, Freon 11, FAM fuel, carbon tetrachloride, trichlorethylene and xylene (moderate or severe reaction) .

Avoid contact with strong oxidants.

10.6 Hazardous decomposition products

Decomposition products in case of fire: carbon monoxide (CO) and carbon dioxide (CO₂) and halogens (Br, Cl)

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

ATE oral = ∞

ATE dermal = ∞

ATE inhal = ∞

(a) acute toxicity: based on available data, the classification criteria are not met.

(b) skin corrosion/irritation based on available data, the classification criteria are not met.

(c) serious eye damage/irritation: based on available data, the classification criteria are not met.

(d) respiratory or skin sensitization: based on available data, the classification criteria are not met.

(e) germ cell mutagenicity: based on available data, the classification criteria are not met.

(f) carcinogenicity: based on available data, the classification criteria are not met.

(g) reproductive toxicity: based on available data, the classification criteria are not met.

(h) specific target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not met.

(i) specific target organ toxicity (STOT) repeated exposure: based on available data, the classification criteria are not met.

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(j) aspiration hazard: based on available data, the classification criteria are not met.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Use according to good working practices to avoid pollution into the environment.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No PBT/vPvB ingredient is present

12.6 Other adverse effects

No adverse effects

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.

Recover if possible. Operate according to local or national regulations

14 TRANSPORT INFORMATION

14.1 UN number

Not included in the scope of application regulations concerning the transport of dangerous goods: by road (ADR); by rail (RID); by air (ICAO / IATA); by sea (IMDG).

14.2 UN proper shipping name

None

14.3 Transport hazard class(es)

None

14.4 Packing Group

None

14.5 Environmental hazards

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None

14.6 Special Precautions for User
No data available.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
It is not intended to carry bulk

15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the article/mixture
Reg (EC) n. 1907/2006 (REACH), Reg (EC) n. 1272/2008 (CLP), Reg (EC) n. 830/2015 (Requirements for the compilation of safety data sheets), Reg (E) n.790/2009, Dir 96/82/EC as amended.

15.2 Chemical Safety Assessment
No chemical safety assessment was carried out by the supplier

16 OTHER INFORMATION

We declare the presence, in the finished product, of accelerating and expanding substances (SVHC list) in traces (<0.1%)

Pursuant to article 33 of REACH regulation 1907/2006, any changes relating to the presence of SVHC will be promptly communicated.

Regulatory information:

Reg 1907/2006 EC

Reg 1272/2008 EC

Reg 830/2015 EC

Bibliographic data :

SAX 12 Ed Van Nostrand Reinhold

MERCK INDEX 15 Ed

ECHA: European Chemicals Agency (<https://echa.europa.eu/it/information-on-chemicals>)

OSHA: European Agency for Safety and Health at Work

IARC: International Agency for Research on Cancer

IPCS: International Programme on Chemical Safety (Cards)

NIOSH: Registry of toxic effects of chemical substances (1983)

ACGIH: American Conference of Governmental Industrial Hygienists

TOXNET: Toxicology Data Network

WHO: World Health Organization

CheLIST: Chemical Lists Information System

GESTIS: International Limit Value (<https://limitvalue.ifa.dguv.de/>)

Acronyms:

- ACGIH American Conference of Governmental Industrial Hygienists

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- ADR Accord 5 Européen Relatif au Transport International des Marchandises Dangereuses par Route (European accord regarding international transport of dangerous goods by land)
- bw body weight
- CLP Classification, Labelling and Packaging
- CSR Chemical Safety Report
- DMEL Derived Minimal Effect Level
- DNEL Derived No Effect Level
- dw dry weight
- EC Effective Concentration
- IATA International Air Transport Association
- IMDG International Maritime Dangerous Goods
- LC Lethal Concentration
- LD Lethal Dose
- m.w. molecular weight
- PBT Persistent, Bioaccumulative and Toxic
- PNEC Predicted No Effect Concentration
- OECD Organisation / Office for Economic Co-operation and Development
- STEL Short Term Exposure Limit
- SVHC Substance of Very High Concern
- TLV Threshold Limit Value
- TWA Time Weighted Average
- vPvB very Persistent, very Bioaccumulative and toxic
- WGK Wassergefährdungsklasse (Water hazard class)

NOTICE TO USERS

The information contained in this sheet are based on the knowledge available at the date of the preparation of this sheet.

The user must be aware of the possible risks associated with the use of the product, other than that for which the product is supplied. The sheet does not exonerate the user from knowing and applying all the regulations governing its activities. The set of regulations mentioned is simply to help the user to fulfill its obligations regarding the use of hazardous products.

This sheet does not exonerate the user from other legal obligations than those mentioned and from rules regulating possession and use of the product, since the user is the only responsible.

*** This sheet supersedes all previous editions.

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