

Product Information Sheet

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

K-FLEX IC CLAD FOIL

1 IDENTIFICATION OF THE ARTICLE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product Identifier
Trade name: K-FLEX IC CLAD FOIL
Shape: Foil
Color: Silver, Black
Trade code: isol048a
- 1.2 Relevant identified uses of the article/mixture and uses advised against
fiberglass jacketing for thermal insulation
- 1.3 Details of the supplier of the information sheet
Company:
L'ISOLANTE K-FLEX SpA
Via Don Locatelli, 35, 20877. Roncello, MB, Italy
Phone: +39 039 68 24.1
Competent person responsible for the information sheet:
Kflex-Reach@isolante.com
- 1.4 Emergency telephone number
Phone: +39 039 68 24.1 (9:00 – 17:00 hours)
In case of accident, locate the nearest antipoison centres in the following link:
WHO <http://apps.who.int/poisoncentres/>

2 HAZARDS IDENTIFICATION

- 2.1 Classification of the article
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
Labelling according to Regulation (EC) No 1272/2008:
Pictogram, Signal Word Code(s):
None

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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

Identification of the substance:

Not Available.

3.2 Article/Mixtures

fiberglass jacketing in different shapes and dimensions.

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 known symptoms to date.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment:

No known treatment to date.

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5 FIRE-FIGHTING MEASURES

- 5.1 Extinguishing media
Suitable extinguishing media:
Water.
Carbon dioxide (CO₂). Chemical dry powder. Water spray.
Extinguishing media which must not be used for safety reasons:
No data available.
- 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:

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After wiping up, wash the area and materials involved

Other information:

None in particular.

6.4 Reference to other sections

See also section 8 and 13

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Storage class (Germany only): LGK 13 non-flammable solid.

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)

fiberglass jacketing for thermal insulation.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

No data available.

8.2 Exposure controls

EAppropriate 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
Appearance	Solid
Odour	Characteristic
pH	7 (aqueous extraction)
Melting point/freezing point	Not applicable
Flammability (solid, gas)	Euroclass (EN 13501)
Relative density	1000-3000 kg/m ³
Water solubility	Insoluble
Decomposition temperature	Not applicable

9.2 Other information

None

10 STABILITY AND REACTIVITY

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical stability

No hazardous reaction when handled and stored according to provisions.

10.3 Possibility of hazardous reactions

Reaction may occur with strong oxidizing agent.

10.4 Conditions to avoid

Eliminate ignition sources.

10.5 Incompatible materials

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

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moderate or intensive).

Avoid contact with strong oxidants

10.6 Hazardous decomposition products

Decomposition products in case of fire: carbon oxide (CO), carbon dioxide (CO₂), and alogens (Br, Cl).

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Toxicological information of the article:

Not Available.

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as not available:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Adopt good working practices, so that the product is not released into the environment as a waste.

Ecotoxicological information of the article:

Not Available

12.2 Persistence and degradability

Not Available.

12.3 Bioaccumulative potential

Not Available.

12.4 Mobility in soil

Not Available.

12.5 Results of PBT and vPvB assessment

None

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12.6 Other adverse effects
None known to date.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste disposal according to local waste disposal regulation.

Preferably waste disposal in landfill (solid waste).

For this product incineration is not recommended (due to the release of decomposition products) .

List I of Directive 76/464/EEC: Water pollution by discharges of certain dangerous substances.

Directive 80/68/EEC: on the protection of groundwater against pollution caused by certain dangerous substances

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

Not classified as dangerous in the meaning of transport regulations.

14.3 Transport hazard class(es)

Not classified as dangerous in the meaning of transport regulations.

14.4 Packing Group

Not classified as dangerous in the meaning of transport regulations.

14.5 Environmental hazards

Not classified as dangerous in the meaning of transport regulations.

14.6 Special Precautions for User

Not classified as dangerous in the meaning of transport regulations.

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

Not classified as dangerous in the meaning of transport regulations.

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

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No

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
- ADR Accord 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

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- 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.