

## Safety Data Sheet

in accordance with Regulation (CE) n.1907/2006 (REACH)

### K-FLEX K-FIRE HP SEALANT

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

1.1. Product identifier

Mixture identification:

Trade name: K-FLEX K-FIRE HP SEALANT  
Trade code: isol007f

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

Recommended use:

Sealant for penetration through walls and floors for fire integrity and insulation.

Uses advised against:

Not for consumer use

1.3. Details of the supplier of the safety data sheet

Company:

L' ISOLANTE K-FLEX UK Ltd

Unit 9 Coalville Business Park, Jackson St, Coalville, Leicestershire LE67 3NR, United Kingdom

Distributor:

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

L'Isolante K-Flex SpA

Phone: +39 039 68 24.1

In case of accident, locate the nearest antipoison centres in the following link:

WHO <http://apps.who.int/poisoncentres/>

#### SECTION 2: Hazards identification

2.1. Classification of the mixture

EC regulation criteria 1272/2008 (CLP): Aquatic Chronic 3: H412; Eye Irrit.2: H319

Adverse physicochemical, human health and environmental effects:

Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

2.2. Label elements:

Hazard statements: H319: Causes serious eye irritation.

H 412: Harmful to aquatic life with long lasting effects.

Hazard pictograms: GHS07: Exclamation mark



Signal words: Warning

Precautionary statements: P264: Wash hands thoroughly after handling.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

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P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: get medical advice/attention.

P501: Dispose of content/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

#### 2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Does not contain asbestos, fibers, halogens or other classified materials.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

N.A.

#### 3.2. Mixtures

Hazardous ingredients:

CARBON CRYSTALLINE GRAPHITE, INTERCALATED - REACH registered number(s): 01-2119514421-54

EINECS	CAS	PBT / WEL	CLP Classification	Percent
-	7782-42-5	Substance with a Communityworkplace exposure limit	-	10-30%

ATH

EINECS	CAS	PBT / WEL	CLP Classification	Percent
244-492-7	21645-51-2	Substance with a Communityworkplace exposure limit	-	Percent 10-30%

CELLULOSE FIBRE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
-	-	Substance with a Communityworkplace exposure limit	-	Percent 1-10%

ALKYLPHENOL POLYPROPYLENEGLYCOLETHER

EINECS	CAS	PBT / WEL	CLP Classification	Percent
-	9064-15-7	-	Acute Tox. 4: H302; Eye Dam. 1: H318; Aquatic Chronic 2: H411	Percent 1-10%

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#### SECTION 4: First aid measures

- 4.1. Description of first aid measures  
In case of skin contact:  
Wash immediately with plenty of soap and water.  
In case of eyes contact:  
Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.  
In case of Ingestion:  
Wash out mouth with water.  
In case of inhalation:  
Not applicable.
- 4.2. Skin contact: There may be irritation and redness at the site of contact.  
Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.  
Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.  
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.  
Delayed / immediate effects: Delayed effects can be expected after long-term exposure.
- 4.3. Indication of any immediate medical attention and special treatment needed.  
Not applicable.

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#### SECTION 5: Firefighting measures

- 5.1. Extinguishing media  
Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers..
- 5.2. Special hazards arising from the substance or mixture  
In combustion emits toxic fumes.
- 5.3. Advice for firefighters  
Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

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#### SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures  
Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.
- 6.2. Environmental precautions  
Do not discharge into drains or rivers. Contain the spillage using bunding.
- 6.3. Methods and material for containment and cleaning up  
Absorb into dry earth or sand. Transfer to a closable, labelled, salvage container for disposal by an appropriate method.
- 6.4. Reference to other sections  
See also section 8.

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#### SECTION 7: Handling and storage

##### 7.1. Precautions for safe handling

Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.  
Avoid the formation or spread of mists in the air.

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

Store in a cool, well ventilated area. Keep container tightly closed. Must only be kept in original packaging.

##### 7.3. Specific end use(s)

No data available.

#### SECTION 8: Exposure controls/personal protection

##### 8.1. Control parameters

Hazardous ingredients:

CARBON CRYSTALLINE GRAPHITE, INTERCALATED

Workplace exposure limits:

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
EU	-	-	4 mg/m <sup>3</sup>	-

ATH

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	-	-	4 mg/m <sup>3</sup>	-

CELLULOSE FIBRE

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
EU	-	-	4 mg	-

DNEL / PNEC No data available.

##### 8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

Eye protection: Tightly fitting safety goggles. Ensure eye bath is to hand.

Skin protection: Protective clothing.

#### SECTION 9: Physical and chemical properties

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

State: Paste

Colour: Grey

Relative density: 1.3 – 1.4

##### 9.2. Other information: No data available.

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#### SECTION 10: Stability and reactivity

- 10.1. Reactivity  
Stable under recommended transport or storage conditions
- 10.2. Chemical stability  
Stable under normal conditions.
- 10.3. Possibility of hazardous reactions  
Hazardous reactions will not occur under normal transport or storage conditions.  
Decomposition may occur on exposure to conditions or materials listed below.
- 10.4. Conditions to avoid  
Heat.
- 10.5. Incompatible materials  
Strong mineral acids (nitric acid, hydrochloric acid, sulfuric acid, hydrofluoric acid),  
Avoid contact with strong oxidants.  
Product in water becomes mildly alkaline. Contact with strong acids should be avoided.
- 10.6. Hazardous decomposition products  
In combustion emits toxic fumes.

#### SECTION 11: Toxicological information

- 11.1. Information on toxicological effects

Hazardous ingredients:  
ATH

INHALATION	RAT	LC50	7.6	Mg/l
ORAL	RAT	-	2000	Mg/kg

Relevant hazards for product:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms / routes of exposure:

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: Delayed effects can be expected after long-term exposure.

#### SECTION 12: Ecological information

- 12.1. Toxicity

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ATLANTIC SALMON	96H EC50	100	Mg/l
Daphnia magna	48H EC50	100	Mg/l
GREEN ALGA (Selenastrum capricornutum)	72H EC50	100	Mg/l
SALMO TRUTTA	LC50	100	Mg/l

- 12.2. Persistence and degradability  
Biodegradable
- 12.3. Bioaccumulative potential  
No bioaccumulation potential
- 12.4. Mobility in soil  
Readily absorbed into soil.
- 12.5. Results of PBT and vPvB assessment  
This product is not identified as a BPT/vPvB substance.
- 12.6. Other adverse effects  
Negligible ecotoxicity.

**SECTION 13: Disposal considerations**

- 13.1. Waste treatment methods  
Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.  
NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal..

**SECTION 14: Transport information**

Transport class: this product does not require a classification for transport.

**SECTION 15: Regulatory information**

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture  
Specific regulations: Not applicable.
- 15.2. Chemical safety assessment  
Has not been carried out for the substance or the mixture by the supplier.

**SECTION 16: Other information**

Other information: according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
\* indicates text in the SDS which has changed since the last revision.  
Phrases used in s.2 and s.3: H302: Harmful if swallowed.  
H318: Causes serious eye damage.  
H319: Causes serious eye irritation.  
H411: Toxic to aquatic life with long lasting effects.  
H412: Harmful to aquatic life with long lasting effects.  
Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
ICAO:	International Civil Aviation Organization.
IMDG:	International Maritime Code for Dangerous Goods.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
LGK	Storage classes (Germany only)
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.