Material Safety Data Sheet

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

K-FLEX K-ROCK ALU

1 IDENTIFICATION OF THE ARTICLE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier
Trade name: K-FLEX K-ROCK ALU

1.2 Relevant identified uses of the article/mixture and uses advised against
Mineral wool coupled with multilayer laminate of aluminium for thermal insulation

1.3 Details of the supplier of the information sheet
Manufacturer/Supplier:
L'ISOLANTE K-FLEX S.p.A.
via Don Locatelli, 35 20877 Roncello (MB) ITALY
Tel. +39 039 6824.1
e-mail: Kflex-Reach@kflex.com
Further information obtainable from: R&D Dept.

1.4 Emergency telephone number
Tel. +39 039 6824.1 9:00 - 17:00 ITALIA Centro Antiveleni Ospedale Niguarda "Ca' Granda" MILANO tel. 02/66101029; Fondazione Maugeri - Clinica del lavoro e della Riabilitazione PAVIA tel. 0382/24444; Centro Documentazione Tossicologica - Università degli Studi PADOVA tel. 049/8275078; Centro Antiveleni Istituto Scientifico "G. Gaslini" GENOVA tel. 010/5636245; Centro Antiveleni Azienda Ospedaliera "Careggi" FIRENZE tel. 055/4277328; Centro Antiveleni "Policlinico Gemelli" ROMA tel. 06/3054343; Centro Antiveleni Università degli Studi di Roma "La Sapienza" ROMA tel. 06/49970698; Centro Antiveleni Azienda Ospedaliera "A. Cardarelli" NAPOLI tel. 081/7472870; Centro antiveleni Azienda Ospedaliera Universitaria FOGGIA tel. 0881/731111 AUSTRIA Vergiftunginformationszentrale +43 1 406 43 43 BELGIUM Centre Antipoisons-Antigifcentrum +32 30245245 BULGARIA National Toxicology Centre at National Clinical Toxicology Centre +359 2 9154 233 CROTIA Poison Control Centre Zagreb +385 1 2348342 CECH REPUBLIC Toxicological Information Centre + 420224919 293 DENMARK Poison Information Centre n +45 82 12 12 12 ESTONIA Estonian Poison Information centre +372 626 93 90 FINLAND Finnish Poison Information Centre +358 9 471977 FRANCE Centre Antipoison et de Toxicovigilance de Angers +33 2 41 35 33 30 HUNGARY Health Toxicology Information Service +36 80 20 11 99 IRELAND Poison Information Centre of Ireland +353 1 809 2166 LATVIA Valsts Toksikologijas centres + 371 67042473 LITHUANIA Lithuania Poison Control and Information Bureau +370 5 236 20 52 NORGE Giftinformasjonen : 22 59 13 00 (døgnåpen) PORTUGAL CIAV Centro de Informacao Antivelenos +351 808 250 143 SLOVAKIA National Toxicological Information Center +421 2 54 774 166 POLAND Informacja toksykogiczna w Polsce +48 42 631 47 24 (czynna 7:00-15:00) SPAIN Istituto Nacional de Toxicologia +34 156 20420

2 HAZARDS IDENTIFICATION

2.1 Classification of the article

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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
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).:

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Wash thoroughly with soap and running water.
Direct contact with eyes (of the pure product).:
Wash immediately and thorougly 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.

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.

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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
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:

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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.
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
Appearance: Solid Grey, Geen, Yellow
Odour: Odourless
Odour threshold: Undefined
pH:Irrelevant
Melting point/freezing point: Irrelevant
Initial boiling point and boiling range: Undefined
Flash point: Irrelevant
Evaporation rate: Undefined
Flammability (solid, gas): >1000°C
Upper/lower flammability or explosive limits: Undefined
Vapour pressure: Undefined
Vapour density: Undefined
Relative density: Undefined
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: Irrelevant
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, bases.

10.6 Hazardous decomposition products
Carbon monoxide. Carbon dioxide (CO_2). When heated to approximately 200 °C for the first time, release of binder components and binder decomposition products can occur which, in high concentrations, may irritate the eyes and respiratory system.

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

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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

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: Inetrnational Limit Value (https://limitvalue.ifa.dguv.de/)
Acronyms:
- ACGIH American Conference of Governmental Industrial Hygienists
- ADR Accord 5Européen 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

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- 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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