



K-FLEX USA

SAFETY DATA SHEET

Date of Issue:
01-01-18
REV. NR.
SDS11-0118
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1 Identification of the substance or preparation

1.1 IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

Trade name **K-FONIK OPEN CELL AB-10 & AB-15**
Use of the preparation **Insulation material for noise absorption control**
Substance code **n.v.**

1.2 COMPANY/UNDERTAKING IDENTIFICATION

K-Flex USA

100 K Flex Way
Youngsville, NC 27596
Telephone: **800-765-6475**

1.3 EMERGENCY TELEPHONE NUMBER

2. Composition/information on ingredients

Based on open cell synthetic rubber with additives for fire performance, flexibility and UV stabilisation, bound with polyurethane.

2.1 SUBSTANCES PRESENTING A HEALTH / ENVIRONMENTAL HAZARD WITHIN THE MEANING OF DIRECTIVE 67/548/EEC

CAS number	EC number	Identification	m %	Symbols	R-phrases
n.ap.	n.ap.	n.ap.	n.ap.	n.ap.	n.ap.

See also section 15.

Full text of the R-phrases see point 16.2.

2.2 SUBSTANCES SUBJECT TO RECOGNISED EXPOSURE LIMIT VALUES PURSUANT TO COMMUNITY PROVISIONS BUT WHICH ARE NOT COVERED BY THE DIRECTIVE 67/548/EEC (SEE ALSO POINT 8.)

With regard to the physical condition of the product (foam, elastomeric) there is no relevance of ingredients having threshold limits of dust (aluminium hydroxide, PVC).

2.3 ADDITIONAL INFORMATION

It is a product in accordance with § 3 No. 5 Chemikaliengesetz (German legislation) and Annex VII to Directive 1999/45/EC.

3. Hazards identification

3.1 HAZARDS IDENTIFICATION

No special hazards have to be mentioned.

3.2 CRITICAL HAZARDS TO MAN

No special hazards have to be mentioned.

3.3 CRITICAL HAZARDS TO THE ENVIRONMENT

The product is water-insoluble.

4. First aid measures

4.1 GENERAL INFORMATION

None.

4.2 AFTER INHALATION

under normal circumstances any dust created when the material is cut would not be airborne

4.3 AFTER CONTACT WITH SKIN

Not harmful.

4.4 AFTER CONTACT WITH EYES

Not harmful. If dust particles lodge in the eye seek medical attention for their removal.

4.5 AFTER INGESTION

if swallowed DO NOT induce vomiting. Obtain professional medical attention.

4.6 HINTS FOR THE PHYSICIAN

Symptoms n.av.
Hazards n.av.
Treatment n.av.



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5. Fire-fighting measures

- 5.1** SUITABLE EXTINGUISHING MEDIA
Water, water spray, CO₂, foam, powder
- 5.2** EXTINGUISHING MEDIA WHICH MUST NOT BE USED FOR SAFETY REASONS
The product has flame-retardant effects.
Co-ordinate fire-fighting measures to the fire surroundings.
- 5.3** SPECIAL EXPOSURE HAZARDS ARISING FROM THE SUBSTANCE OR PREPARATION ITSELF, COMBUSTION PRODUCTS, RESULTING GASES
Material is stable under normal conditions. In the event of a prolonged fire, as with all organic materials, there will be obnoxious and toxic fumes.
- 5.3** SPECIAL PROTECTIVE EQUIPEMENT FOR FIREFIGHTERS
Use self contained breathing apparatus.
- 5.4** FURTHER INFORMATION
Do not inhale explosion and combustion gases.

6. Accidental release measures

- 6.1** PERSONAL PRECAUTIONS
Not hazardous.
- 6.2** ENVIRONMENTAL PRECAUTIONS
Not hazardous however good practice is to avoid discharge into drains water courses or soil.
- 6.3** METHODS FOR CLEANING UP / TAKING UP
Pick up mechanically and dispose in accordance with local regulations.
- 6.4** ADDITIONAL INFORMATION
None.

7. Handling and storage (National measures see points 15. and 16.)

- 7.1** HANDLING
Advice on safe handling
No potential hazard, for lifting blocks use mechanical handling devices. Avoid formation of respirable particles when cutting.
- 7.2** STORAGE
Requirements for storage rooms and vessels
Keep container dry in a well-ventilated place.
Advice on storage compatibility
Keep away from strong acids and oxidising agents.
Further information on storage conditions
Store in a cool, dry place raised off floor.
Storage class (for Germany only)
LGK 13 (noncombustible solid) according to VCI-Lagerklassenkonzept.
- 7.3** SPECIFIC USE (S)
Insulation of tubes, insulation of tanks (industrial works), air-conditionings, heatings and sanitations.

8. Exposure controls / personal protection

8.1 EXPOSURE LIMIT VALUES (FOR GERMANY ONLY)

CAS number	identification	threshold limits	remarks
n.ap.	n.ap.	n.ap.	n.ap.

Remark: With regard to the physical condition of the product (foam, elastomeric) there is no relevance of ingredients having threshold limits of dust (aluminium hydroxide).

8.2 EXPOSURE CONTROLS (OCCUPATIONAL EXPOSURE CONTROLS / ENVIRONMENTAL EXPOSURE CONTROLS)



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See section 7.

Personal protective equipment

Respiratory protection:

local exhaust ventilation system fitted onto to cutting machinery .
Is advisable or wear a dust mask.

Hand protection:

practice good hygiene – wash hands with soap and water after use

Eye protection:

no specific recommendations

Body protection:

n.ap.

General protective measures and hygiene measures:

Wash hands before breaks and after work.

9. Physical and chemical properties

9.1 GENERAL INFORMATION

Physical state: flexible sheet or block of open cell structure foam in various thickness'

Colour: black

Odour: characteristic

pH (as supplied):

n.ap.v

of an aqueous solution:

7,0 (aqueous extraction)

Boiling point / boiling range (°C):

n.ap.

Melting point / melting range (°C):

n.ap.

Thermal decomposition (°C):

> 400

Flash point (°C), c.c.:

n.ap.

Flammability (solid, gas):

n.ap.

Autoflammability:

n.ap.

Ignition temperature (°C):

n.ap.

Oxidising properties:

n.ap.

Explosive properties:

n.ap.

Lower explosion limit:

n.ap.

Upper explosion limit: n.ap.

Vapour pressure:

n.ap.

Density / Bulk density:

200 - 280 kg/m³

Solubility in water:

insoluble

Soluble in:

n.ap.

Partition coefficient n-octanol/water:

n.ap.

Viscosity:

n.ap.

Solvent content:

n.ap.

10. Stability and reactivity

10.1 STABILITY

Stable under recommended storage conditions.

10.2 CONDITIONS TO AVOID / MATERIALS TO AVOID

Heat/heat sources, naked flames, sparks.

Strong acids and alkalise.

10.3 HAZARDOUS REACTION

No dangerous reactions known.

10.4 HAZARDOUS DECOMPOSITION PRODUCTS

No hazardous decomposition products known.

10.5 ADDITIONAL INFORMATION:

None.

11. Toxicological information

11.1 TOXICOLOGICAL EXAMINATION

Acute oral toxicity / acute dermal toxicity / acute inhalation toxicity

LD50 rat, oral

(mg/kg)

n.av.

LD50 rat, dermal

(mg/kg)

n.av.

LC50 rat, inhalation

(mg/l/4h)

n.av.

Irritant effect

Irritant effect on skin

n.av.



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Irritant effect on eyes	n.av.
Sensitisation	n.av.
Subacute toxicity / Sub-chronic toxicity	
Chronic toxicity	n.av.
Mutagenicity / Teratogenicity / Carcinogenicity	n.ap.
Further information	None.
11.2 EXPERIENCES MADE IN PRACTICE	
No toxicological data available on the material as prepared.	
According to experience, the product is considered to be harmless to health if handled and stored in the correct manner.	
11.3 GENERAL REMARKS	None.

12. Ecological information

12.1 ECOTOXICITY

Aquatic toxicity

LC50 (fish) n.av.

EC50 (daphnia) n.av.

IC50 (algae) n.av.

Behaviour in sewage works: The product has to be removed mechanically (trash rack).

12.2 MOBILITY

The product has not been tested.

12.3 DATA ON ELIMINATION (PERSISTENCE AND DEGRADABILITY)

The product has not been tested. The product is water-insoluble.

12.4 BIOACCUMULATIVE POTENTIAL

The product has not been tested.

12.5 OTHER ADVERSE EFFECTS

Ozone depletion potential n.av.

Photochemical ozone creation potential n.av.

AOX-hint Not to apply.

12.6 FURTHER INFORMATION

Chemical oxygen demand (COD) n.av.

Biochemical oxygen demand (BOD5) n.av.

The product is water-insoluble.

Contains according to the formulation following heavy metals and compounds of the Directives 76/464/EEC and 80/68/EEC:

List I: organic phosphorous compounds, organic halogen compounds

ADDITIONAL ECOLOGICAL INFORMATION

No ecological data available on the material as prepared.

13. Disposal considerations

13.1 PRODUCT / UNUSED PRODUCT	Waste disposal corresponding to European Waste Catalogue. Wastes must be classified with respect to their origin and depending on specific processing steps. The waste codes mentioned as follows are only constituted as our recommendations. Referring to the particular case they should be completed or revised.
Waste type	Construction and demolition wastes
Waste notation	Insulation materials and asbestos-containing construction materials
EC waste code	17 06 04 insulation materials other than those mentioned in 17 06 01 and 17 06 03
Disposal operations	D 10 Incineration on land
Recovery operations	R 3 Recycling/reclamation of organic substances which are not used as solvents
	R 5 Recycling/reclamation of other inorganic materials



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13.2 CONTAMINATED PACKAGING

Recommendation

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Remove residues mechanically.

Recommended cleansing agent

Disposal Product

Uncontaminated product may be returned to manufacturer for recycling or disposed as non-hazardous waste under local authority regulations.

14. Transport information

14.1 LAND TRANSPORT ADR / RID / GGVSE

UN-No.:

Name of the good:

Class:

Classification code:

Packing group:

Danger labels:

Remark: No special precautions required

14.2 MARINE TRANSPORT IMDG

UN-No.:

Proper Shipping Name:

Class:

Subsidiary Risk:

Packing group:

EmS:

Remark: No special precautions required

14.3 AIR TRANSPORT IATA-DGR

UN/ID-No.:

Proper Shipping Name:

Class:

Subsidiary Risk:

Hazard Labels:

Packing group:

Remark: No special precautions required

15. Regulatory information

15.1 LABELLING IN ACCORDANCE WITH DIRECTIVE EC

Symbol(s) of danger: n.ap.

Indication(s) of danger: n.ap.

Hazardous component(s) to be indicated on label: n.ap.

R-phrases: n.ap.

S-phrases: n.ap.

Special labelling for certain preparations: n.ap.

15.2 NATIONAL MEASURES (FOR GERMANY ONLY)

Restriction of occupation: n.ap.

Major-accident Regulation: n.ap.

Regulation on clean air (TA Luft): n.ap.

Fire and explosion hazards: n.ap.

Water hazard class:

not hazardous to water in accordance with VwVwS
The Federal State Enactment for Facilities to Handle
Water Endangering Substances (German VAWs-
Anlagen-Verordnung) has to be observed

National Regulations

Regulation of Inflammable Liquids (VBF)

Not Applicable

Emission Control Act (ta-luft)

Not Applicable

Water Pollution Classification

Not Applicable



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16. Other information

THIS INFORMATION IS BASED ON OUR PRESENT STATE OF KNOWLEDGE.
IT SHOULD NOT THEREFORE BE CONSTRUED AS GUARANTEEING SPECIFIC PROPERTIES OF THE PRODUCTS AS
DESCRIBED OR THEIR SUITABILITY FOR A PARTICULAR APPLICATION.

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