**1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY / OWNER**

* 1. **Identification of the substance / mixture**

Product's Trade Name ISOAFS-ALU.70 ECOSOFT /SONOAFS-ALU.70 ECOSOFT

**Identified uses of the substance or mixture and non-recommended uses**

**Use** Insulated aluminum flexible air duct

**Not recommended** No information available.

**Use**

* 1. **Safety information form supplier information**

**Suppliers** AFS BORU SANAYI AS

 Ivedik Organize Sanayi Bolgesi 1468. Cadde No.153 Yenimahalle / ANKARA-TURKEY

 Phone: +90 312 395 4860

**Contact person** Phone: +90 312 395 4860

**1.4. Emergency telephone number** Phone: +90 312 395 4860

National Poison Information Center (ERA): 114 Emergency Medical Services: 112 Police: 155 Gendarmerie: 156

**2 DANGEROUS DESCRIPTION**

**2.1 Classification of substance and mixture**

**Classification (27092 T.C.) NOT SUBJECT TO LABELLING**

Physical and chemical hazards -

Human health -

environment Not classified.

**Classification (T.C 28848/2013)**

*The full text for all (H) Clauses and P phrases is given in Section 16.*

**2.2. Label elements**

 **Specific marking of certain mixtures:** See section 15 for labeling according to (T.C. 27092).

**Labeling according to T.C 28848/2013:**

Warning word (CLP) : Attention

Harmony Statement (CLP) : -

Prevention Expressions (CLP): P101 - If medical advice is required, keep the package or label.

**3 COMPOSITION / INFORMATION ON INGREDIENTS**

|  |
| --- |
| **3.1. Materials**Not applicable**3.2. Mixture** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Substance or Compound** | **CONTENT** | **CAS** | **Classification** |
| Aluminium foil | %10-15 |  -  | - |
| Polyester film | %5-10 | 25038-59-9  | - |
| Bronze coated steel wire | %20-25 | - | - |
| Glass wool | %50-60 | 926-099-9 | - |
| Glue | %0-5 | - | - |

Full Text For All (H) Clauses.

About the sequence

The data were last T.C and A.B. In accordance with the regulations.

**4 FIRST AID MEASURES**

**4.1. Explanation of first aid measures**

|  |  |
| --- | --- |
| **BREATHING:** | There is no known danger. However, if the person becomes ill, remove the person immediately to the open air. If discomfort persists consult doctor |
| **SWALLOWING:** | ***Do not let it puke. Rinse mouth immediately. Contact a doctor immediately*** |
| **SKIN:** | Remove the jumped or dirty suit immediately. Prevent reuse without cleaning dirty clothes. |
| **EYES:** | Immediately wash with eyewash keeping the eyelids open. If there is an uncomfortable development, consult a doctor. Continue to rinse |

**4.2. Acute and delayed symptoms and effects**

Breathing: Irritating to upper respiratory tract.

Swallowing: Nausea, vomiting.

Skin contact: In case of long-term contact, it may cause redness, irritation and skin dryness.

Eye contact: Irritation of eyes and mucous membranes.

**4.3.** **First signs for medical intervention and special treatment**

No specific treatment is offered. Treat according to symptoms.

**5 FIRE PRECAUTIONS**

**5.1. Fire extinguisher**

 Extinguish with carbon dioxide, dry powder or water spray.

**5.2. Specific losses arising from the substance or mixture**

Special hazards

The product is not flammable, but follow the instructions below for any other reason.

**5.3. Recommendations for fire fighting teams**

-

**6 ACCIDENT PREVENTION MEASURES**

**6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective clothing as shown in section 8 of this safety data sheet. Avoid contact with skin and eyes. Provide good ventilation.

**6.2. Environmental Precautions**

Do not pour into sewer, earth or waterways.

**6.3. Methods and materials for preservation and cleaning**

Install the necessary protective device. Ventilate.

**6.4. References to other sections**

See Section 8 for personal protection. See Section 11 for additional information on damage to health. See Section 13 for the disposal of waste.

**7 HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

Read the manufacturer's recommendations and follow them. Avoid contact with skin and eyes. Do not eat, drink or smoke during use. Consider the necessary chemical hygiene measures.

**7.2. Conditions for safe storage, including disputes**

Keep away from food, beverages and animal feed. Protect from physical damage and / or rubbing. Store in a cool, well ventilated place. Store in a cool place. Do not store near heat producing places, do not expose to high temperature. Keep away from strong shocks.

**7.3. Specific end-uses**

The defined uses of this product are detailed in Section 1.2.

**8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

**8.1. Control parameters**

Does not contain substances with an exposure limit

**8.2. Exposure controls**

**Personal Protective Equipment:**

**Process Conditions:**

Eye wash area, provide safety shower.

Technical Measures:

Ensure proper ventilation. Pay attention to the exposure limits of the product and lower the risk of inhalation of dust. General and local exhaust ventilation with padding protection.

Respiratory protective measures:

Use suitable breathing protection. No need during daily handling and use.

Protection of hands:

Use gloves made of nitrile rubber, PVA or Viton. Recommended gloves should be selected in consultation with the glove dispenser. The glove material may provide information on the permeability / degradation time of the glove material.

Eye Protection:

Protection glasses / face order is recommended.

Health Precautions:

Do not eat, drink or smoke during use. Separate detached clothes and wash before using again.

Skin protection: Wear gown or protective clothing in case of contact.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

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

|  |  |
| --- | --- |
| VIEW | Round tubular aluminum inner canal, brown glass wool wrapped around the inner canal, and an aluminum-colored jacket overlaid on. The product is odorless. |
| DENSITY | N/A |
| SOLUBILITY DESCRIPTION | It is not resistant to solvent and acid. |
| VISCOSITY | N/A |
| FLASH POINT | N/A |
| BOILING POINT | N/A |
| VAPOR PRESSURE  | N/A |
| PH | N/A |

**9.2 Other informations**

No information.

**10 STABILITY AND REACTIVITY**

**10.1. Reaction**

The product is stable under normal handling and storage conditions.

**10.2. Chemical stability Avoid doing this:**

Shock and physical damage. Flammable substance contact.

**10.3. Hazardous reaction possibility** No information.

**10.4. Situations to avoid-**

**10.5. Substances to avoid**-

**10.6. Hazardous products**-

**11 TOXICOLOGY INFORMATION**

**11.1 Toxicology Information**

**Breathing**

It may irritate the respiratory system.

**Swallowing**

Ingestion may cause discomfort. Gastrointestinal complaints including nausea.

**Contact with skin**

It can cause redness and irritation for long time and frequent contact.

**Contact with eyes**

Irritating to eyes.

**12 ECOLOGICAL INFORMATION**

**12.1. Toxicity**

The substances in the product are not classified as dangerous for the environment. However, it is not possible to ignore the possibility that large quantities or frequent spills can damage the environment.

**12.2. Persistence and degradability**

There is no information on the biodegradability of the product.

**12.3. Potential for bioaccumulation**

There is no data on biological accumulation.

**12.4. Mobility in Soil**

-

**12.5. Results of PBT and vPvB evaluation**

It does not contain any components that are evaluated as PBT and vPvB.

**12.6. Other adverse effects**

Aquatic life can be dangerous.

**13 DISPOSAL INFORMATION**

**General information**

Waste should be treated as control waste. As indicated by the local waste disposal authorities, licensed wastes are disposed of in accordance with the provisions of regulation 87/12028.

**13.1. Waste treatment methods**

Dispose of garbage and waste in accordance with local regulations. Contact specialist disposal companies

**14 TRANSPORT INFORMATION**

**It is not restricted by transport and IATA regulations. It is not a dangerous product.**

**LABEL FOR TRANSPORT:**

**14.1. UN Number**

GGVS, GGVE, ADR, RID

Class :

**14.2. Proper UN transport name**

Proper Shipping name

**14.3. Transport hazard class (es)**

ADR / RID / ADN class

Class ADR / RID / ADN Class 1:

ADR Label NO.

IMDG Class

ICAO Class

Transport Labels

**14.4. Packing group**

Not applicable.

**14.5. Environmental damage** No.

**14.6. Special precautions for the user**

Not applicable.

**14.7. Public transport according to MARPOL 73/78 annex II and IBC code**

It does not fall into the category of dangerous goods according to the transport regulations.

**15 REGULATORY INFORMATION**

**Labeling (27092 T.C.) LABELING IS NOT NATURAL.**

• Regulation No. 28848 dated 11 December 2013 on the Classification, Labeling and Packing of Goods and Mixtures.

• Regulation on the Restriction and Prohibition of Hazardous Substances and Mixtures

• Regulation on health and safety precautions in chemical substances studies.

• Regulation on the Use of Personal Protective Equipment in Workplaces.

• Law No. 6331 on Occupational Health and Safety.

• Waste Management Regulation

**16 OTHER INFORMATIONS**

**Information Sources**

**This is arranged according to the information received from the GBF product owner.**

**Certificate No .: 01.131.02**

**Certificate valid from: 05.07.2017**

**Handan KAVİ - Certified Security Information Form editor**

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**New issue date 25.04.2018**

**Prepared on 25.04.2018**

**Trouble editing is 00**

Disability declaration (CLP): -

Precautionary statements (CLP): P101 - If medical advice is required, keep the package or label.

**ADDITIONAL INFO**

This GBF is valid for up to 3 years in terms of legislative requirements. After this date, the new version which has been updated according to the new classification and labeling provisions must be used.

**DISCLAIMER**

This information relates only to a specific material, and should not be used in combination with any other material or in combination with any other material. The information provided in this document is accurate and reliable as of the date indicated, at the highest level of knowledge and opinion of the company. It is the user's own responsibility to be convinced of its suitability.

This information is based on our current knowledge and is intended to define the health, safety and environmental requirements of the product. For this reason, this information should not be construed as an assurance of any property of the product.