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

### 1.1. Product identifier

Product form : Mixture
Trade name : SILPLATE MASS 1500
UFI : Y8P2-U0XF-S007-T3RF

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

#### 1.2.1. Relevant identified uses

Main use category : Industrial use
Use of the substance/mixture : For industrial use within high temperature applications.

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

**Manufacturer/Supplier**
Alkegen (formerly Unifrax)
Mill Lane, Rainford
UK– WA11 8LP St Helens, Merseyside
United Kingdom
T + 44 (0) 1744 88 7600 - F + 44 (0) 1744 88 9916

**Email competent person**
reachsds@alkegen.com

**Distributor**
Alkegen (formerly Unifrax)
Kleinreinsdorf 62
DE– 07989 Teichwolframsdorf
Germany
T + 49 (0) 366 24 40020 - F + 49 (0) 366 24 40099

**Distributor**
Alkegen (formerly Unifrax)
17 Rue Antoine Durafour
42420 Lorette
France
T +33 (0) 477 737 032 - F +33 (0) 477 733 991

**Distributor**
Alkegen (formerly Unifrax)
Shaftsbury Street
DE23 8XA Derby
United Kingdom
T +44 (0) 1332 331808

**Distributor**
Alkegen (formerly Unifrax)
Ruská 311, Pozorka
CZ– 417 03 Dubí 3
Czech Republic
T + 42 (0) 417 800 356 - F + 42 (0) 417 539 838

**Distributor**
Alkegen (formerly Unifrax)
Via Volonterio 19
21047 Saronno (VA)
Italy
T +39 02 967 01 808 - F +39 02 962 5721

**Distributor**
Alkegen (formerly Unifrax)
Cristobal Bordiu 20
ES– 28003 Madrid
Spain
T + 34 91 395 2279 - F + 34 91 395 2124

### 1.4. Emergency telephone number

Emergency number : Occupational Hygiene and CARE: Tel: + 44 (0) 1744 887603; Email: reachsds@alkegen.com; (8.15-17.10 h); Language : English

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Carcinogenicity (inhalation) Category 1B H350i
Full text of H- and EUH-statements: see section 16

**Adverse physicochemical, human health and environmental effects**

May cause cancer (if inhaled).

### 2.2. Label elements

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :

GHS08

Signal word (CLP) : Danger

Contains : Aluminosilicate refractory ceramic fibres

Hazard statements (CLP) : H350i - May cause cancer by inhalation.

Precautionary statements (CLP) : P201 - Obtain special instructions before use.
P280 - Wear protective gloves, eye protection, face protection.
P308+P313 - IF exposed or concerned: Get medical advice/attention.

Extra phrases : Restricted to professional users.

### 2.3. Other hazards

PBT: not relevant – no registration required
vPvB: not relevant – no registration required
Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

| Component | |
|---|---|
| Aluminosilicate refractory ceramic fibres (142844-00-6) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| ethanediol (107-21-1) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| Polycrystalline wools (PCW) (675106-31-7) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII |

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

| Component | |
|---|---|
| Aluminosilicate refractory ceramic fibres(142844-00-6) | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 |
| Polycrystalline wools (PCW)(675106-31-7) | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 |

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Comments : Silplate Mass 1500 is a thick, medium viscosity, ready-mixed coating developed to protect fibre modules, castables and refractory bricks in high temperature environments.These products are typically applied by trowel or using gunning techniques.

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| Aluminosilicate refractory ceramic fibres<br>substance listed as REACH Candidate<br>substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit<br>(Note A)(Note R) | CAS-No.: 142844-00-6<br>EC Index-No.: 650-017-00-8<br>REACH-no: 01-2119458050-50-0000 | ≥ 25 – < 50 | Carc. 1B, H350i |
| ethanediol<br>substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit | CAS-No.: 107-21-1<br>EC-No.: 203-473-3<br>EC Index-No.: 603-027-00-1<br>REACH-no: 01-2119456816-28 | ≥ 2.5 – < 5 | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight)<br>STOT RE 2, H373 |
| Polycrystalline wools (PCW)<br>substance with national workplace exposure limit(s) (GB) | CAS-No.: 675106-31-7<br>REACH-no: 01-2119456884-25-0003 | ≥ 1 – < 2.5 | Not classified |

Note A : Without prejudice to Article 17(2), the name of the substance must appear on the label in the form of one of the designations given in Part 3. In Part 3, use is sometimes made of a general description such as '... compounds' or '... salts'. In this case, the supplier is required to state on the label the correct name, due account being taken of section 1.1.1.4.

Note R : The harmonised classification as a carcinogen applies except in the case of fibres with a Length Weighted Geometric Mean Diameter (LWGMD) minus two geometric standard errors greater than 6 µm, as measured in accordance with Test method A.22 in the Annex to Commission Regulation (EC) No 440/2008 (1).

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : In all cases of doubt, or when symptoms persist, seek medical attention. IF exposed or concerned: Get medical advice/attention.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

No additional information available

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire. Water spray. Dry powder. Foam.

Unsuitable extinguishing media : Strong water jet.

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon monoxide. Carbon dioxide.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Use self-contained breathing apparatus and chemically protective clothing.

Other information : Do not allow run-off from fire fighting to enter drains or water courses. Disposal must be done according to official regulations.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Only qualified personnel equipped with suitable protective equipment may intervene.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Notify authorities if product enters sewers or public waters. Avoid sub-soil penetration. Prevent entry to sewers and public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Notify authorities if product enters sewers or public waters.

Other information : Disposal must be done according to official regulations.

### 6.4. Reference to other sections

Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Separate working clothes from town clothes. Launder separately.

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

Storage conditions : Store in a well-ventilated place. Keep cool. Store locked up.

Information about storage in one common storage facility : Keep away from food, drink and animal feeding stuffs.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

| **Aluminosilicate refractory ceramic fibres (142844-00-6)** | |
|---|---|
| **EU - Binding Occupational Exposure Limit (BOEL)** | |
| Local name | Refractory ceramic fibres which are carcinogens |
| BOEL TWA | 0.3 fibers/ml |
| Regulatory reference | DIRECTIVE (EU) 2019/130 (amending Directive 2004/37/EC) |
| **United Kingdom - Occupational Exposure Limits** | |
| Local name | Refractory ceramic fibres and special purpose fibres |

| | |
|---|---|
| WEL TWA (OEL TWA) [1] | 5 mg/m³ total inhalable dust |
| WEL TWA (OEL TWA) [2] | 0.3 fibers/ml respirable fraction |
| Remark | Carc (Capable of causing cancer and/or heritable genetic damage) |
| Recommended monitoring procedures<br><br>The UK follow MDHS 59 specific for MMVF | "Man-made mineral fibre - Airborne number concentration by phase-contrast light microscopy" and MDHS 14/3 "General methods for sampling and gravimetric analysis of respirable and inhalable dust".<br><br>WHO-EURO method: Determination of airborne fibre number concentrations; A recommended method, by phase-contrast optical microscop |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

| **ethanediol (107-21-1)** | |
|---|---|
| **EU - Indicative Occupational Exposure Limit (IOEL)** | |
| Local name | Ethylene glycol |
| IOEL TWA | 52 mg/m³ |
| IOEL TWA [ppm] | 20 ppm |
| IOEL STEL | 104 mg/m³ |
| IOEL STEL [ppm] | 40 ppm |
| Remark | Skin |
| Regulatory reference | COMMISSION DIRECTIVE 2000/39/EC |
| **United Kingdom - Occupational Exposure Limits** | |
| Local name | Ethane-1,2-diol |
| WEL TWA (OEL TWA) [1] | 10 mg/m³ particulate<br>52 mg/m³ vapour |
| WEL TWA (OEL TWA) [2] | 20 ppm vapour |
| WEL STEL (OEL STEL) | 104 mg/m³ vapour |
| WEL STEL (OEL STEL) [ppm] | 40 ppm vapour |
| Remark | Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity) |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

| **Polycrystalline wools (PCW) (675106-31-7)** | |
|---|---|
| **United Kingdom - Occupational Exposure Limits** | |
| Local name | MMMF (Machine-made mineral fibre) |
| WEL TWA (OEL TWA) [1] | 5 mg/m³ (except for refractory ceramic fibres and special purpose fibres) |
| WEL TWA (OEL TWA) [2] | 2 fibers/ml (except for refractory ceramic fibres and special purpose fibres) |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

**8.1.2. Recommended monitoring procedures**

No additional information available

**8.1.3. Air contaminants formed**

No additional information available

**8.1.4. DNEL and PNEC**

| **Aluminosilicate refractory ceramic fibres (142844-00-6)** | |
|---|---|
| **DNEL/DMEL (additional information)** | |
| long term - Local, Inhalation | 2,17 f/ml |

| **ethanediol (107-21-1)** | |
|---|---|
| **DNEL/DMEL (Workers)** | |
| Long-term - systemic effects, dermal | 106 mg/kg bodyweight/day |
| Long-term - local effects, inhalation | 35 mg/m³ |
| **DNEL/DMEL (General population)** | |
| Long-term - systemic effects, dermal | 53 mg/kg bodyweight/day |
| Long-term - local effects, inhalation | 7 mg/m³ |
| **PNEC (Water)** | |
| PNEC aqua (freshwater) | 10 mg/l |
| PNEC aqua (marine water) | 1 mg/l |
| PNEC aqua (intermittent, freshwater) | 10 mg/l |
| PNEC aqua (intermittent, marine water) | 10 mg/l |
| **PNEC (Sediment)** | |
| PNEC sediment (freshwater) | 37 mg/kg dwt |
| PNEC sediment (marine water) | 3.7 mg/kg dwt |
| **PNEC (Soil)** | |
| PNEC soil | 1.53 mg/kg dwt |
| **PNEC (STP)** | |
| PNEC sewage treatment plant | 199.5 mg/l |

**8.1.5. Control banding**

No additional information available

## 8.2. Exposure controls

**8.2.1. Appropriate engineering controls**

**Appropriate engineering controls:**
Ensure good ventilation of the work station.

**8.2.2. Personal protection equipment**

**8.2.2.1. Eye and face protection**

**Eye protection:**
In case of dust production: protective goggles. EN 166

**8.2.2.2. Skin protection**

**Skin and body protection:**
Wear suitable protective clothing. EN ISO 13688

**Hand protection:**
Leather protective gloves

**8.2.2.3. Respiratory protection**

**Respiratory protection:**
In case of insufficient ventilation, wear suitable respiratory equipment. Dust formation: dust mask. P2. EN 143

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

**Environmental exposure controls:**
Avoid release to the environment.

**Other information:**
Do not eat, drink or smoke when using this product. Avoid contact with skin and eyes. Always wash hands after handling the product.

## SECTION 9: Physical and chemical properties

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

| | | |
|---|---|---|
| Physical state | : | Solid |
| Colour | : | pink. |
| Odour | : | odourless. |
| Odour threshold | : | Not available |
| Melting point | : | > 1760 °C |
| Freezing point | : | Not applicable |
| Boiling point | : | Not available |
| Flammability | : | Not available |
| Explosive properties | : | Product is not explosive. Dust may form explosive mixture in air. |
| Oxidising properties | : | Non oxidizing. |
| Explosive limits | : | Not applicable |
| Lower explosion limit | : | Not applicable |
| Upper explosion limit | : | Not applicable |
| Flash point | : | Not applicable |
| Auto-ignition temperature | : | Not applicable |
| Decomposition temperature | : | Not available |
| pH | : | Not available |
| pH solution | : | Not available |
| Viscosity, kinematic | : | Not applicable |
| Viscosity, dynamic | : | Not applicable |
| Solubility | : | Not available |
| Partition coefficient n-octanol/water (Log Kow) | : | Not available |
| Vapour pressure | : | Not applicable |
| Vapour pressure at 50°C | : | Not available |
| Density | : | 1500 kg/m³ Moist condition |
| Relative density | : | Not available |
| Relative vapour density at 20°C | : | Not applicable |
| Particle size | : | Not available |
| Particle size distribution | : | Not available |
| Particle shape | : | Not available |
| Particle aspect ratio | : | Not available |
| Particle aggregation state | : | Not available |
| Particle agglomeration state | : | Not available |
| Particle specific surface area | : | Not available |
| Particle dustiness | : | Not available |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

| | | |
|---|---|---|
| Relative evaporation rate (butylacetate=1) | : | Not applicable |
| Other properties | : | Length weighted geometric mean diameter of fibres contained in the product: 1.4 - 3 µm |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

| **SILPLATE MASS 1500** | |
|---|---|
| ATE CLP (oral) | > 5000 mg/kg bodyweight |

| **ethanediol (107-21-1)** | |
|---|---|
| LD50 oral | ≈ 1600 mg/kg bodyweight (human (estimated value)) |

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity : May cause cancer by inhalation.
Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

| **ethanediol (107-21-1)** | |
|---|---|
| NOAEL (oral, rat, 90 days) | 150 mg/kg bodyweight/day (OECD 452 method) |
| NOAEL (dermal, rat/rabbit, 90 days) | 2200 – 4400 mg/kg bodyweight/day (OECD 410 method) |
| STOT-repeated exposure | May cause damage to organs (kidneys) through prolonged or repeated exposure (if swallowed). |

Aspiration hazard : Not classified (Not relevant)

| **SILPLATE MASS 1500** | |
|---|---|
| Viscosity, kinematic | Not applicable |

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

#### 11.2.2. Other information

Other information : Basic toxicokinetic
Exposure is predominantly by inhalation or ingestion. Man made vitreous fibres of a similar size to RCF/ASW have not been shown to migrate from the lung and/or gut and do not become located in other parts of the body When compared to many naturally occurring minerals, RCF/ASW has a low ability to persist and accumulate in the body (half-life of long fibres (> 20 µm) in 3 week rat inhalation test is approx. 60 days).

Human toxicological data
In order to determine possible human health effects following RCF exposure, the University of Cincinnati has been conducting medical surveillance studies on RCF workers in the U.S. The Institute of Occupational Medicine (IOM) has conducted medical surveillance studies on RCF workers in European manufacturing facilities.
Pulmonary morbidity studies among production workers in Europe and USA have demonstrated an absence of interstitial fibrosis and no loss in lung function was observed in the longitudinal study with RCF exposure.
A statistically significant correlation between pleural plaques and cumulative RCF exposure was evidenced in the USA longitudinal study.
The USA mortality study did not show evidence of increased lung tumour development either in the lung parenchyma or in the pleura.

Irritant Properties
Negative results have been obtained in animal studies (EU method B 4) for skin irritation. Inhalation exposures using the nose only route produce simultaneous heavy exposures to the eyes, but no reports of excess eye irritation exist. Animals exposed by inhalation similarly show no evidence of respiratory tract irritation.
Human data confirm that only mechanical irritation, resulting in itching, occurs in humans, Screening at manufacturers' plants in the UK has failed to show any human cases of skin conditions related to fibre exposure.

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short–term (acute) : Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long–term (chronic) : Not classified (Based on available data, the classification criteria are not met)
Not rapidly degradable

### 12.2. Persistence and degradability

| **Aluminosilicate refractory ceramic fibres (142844-00-6)** | |
|---|---|
| Persistence and degradability | Not applicable for inorganic substances. |

| **ethanediol (107-21-1)** | |
|---|---|
| Persistence and degradability | Readily biodegradable. |
| Biodegradation | 90 – 100 % (10 d; (OECD 301A method)) |

| **Polycrystalline wools (PCW) (675106-31-7)** | |
|---|---|
| Persistence and degradability | Not applicable. |

### 12.3. Bioaccumulative potential

| **ethanediol (107-21-1)** | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | -1.36 (Quantitative structure-activity relationship (QSAR)) |
| Bioaccumulative potential | Bioaccumulation unlikely. |

| Polycrystalline wools (PCW) (675106-31-7) | |
|---|---|
| Bioaccumulative potential | Not applicable. |

### 12.4. Mobility in soil

| ethanediol (107-21-1) | |
|---|---|
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 0 (Quantitative structure-activity relationship (QSAR)) |

| Polycrystalline wools (PCW) (675106-31-7) | |
|---|---|
| Ecology - soil | Not applicable. |

### 12.5. Results of PBT and vPvB assessment

| SILPLATE MASS 1500 |
|---|
| PBT: not relevant – no registration required |
| vPvB: not relevant – no registration required |

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Disposal must be done according to official regulations. European waste catalogue. Do not discharge into drains or the environment. Do not dispose of with domestic waste.

Product/Packaging disposal recommendations : Recycle or dispose of in compliance with current legislation.

HP Code : HP7 - “Carcinogenic:” waste which induces cancer or increases its incidence

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR | IMDG | IATA | ADN | RID |
|---|---|---|---|---|
| **14.1. UN number or ID number** | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| **14.2. UN proper shipping name** | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| **14.3. Transport hazard class(es)** | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| **14.4. Packing group** | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| **14.5. Environmental hazards** | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| No supplementary information available | | | | |

### 14.6. Special precautions for user

**Overland transport**

Not applicable

**Transport by sea**

Not applicable

**Air transport**

Not applicable

**Inland waterway transport**

Not applicable

**Rail transport**

Not applicable

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

Other information, restriction and prohibition regulations : Take note of Directive 94/33/EC on the protection of young people at work. Take note of Directive 92/85/EC on the safety and health of pregnant workers at work.

**REACH Annex XVII (Restriction List)**

| EU restriction list (REACH Annex XVII) | |
|---|---|
| **Reference code** | **Applicable on** |
| 28. | Aluminosilicate refractory ceramic fibres |
| 3(b) | ethanediol |

**REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

**REACH Candidate List (SVHC)**

Contains substance(s) listed on the REACH Candidate List in concentrations ≥ 0.1 % or SCL: Aluminosilicate refractory ceramic fibres (CAS 142844-00-6)

**PIC Regulation (Prior Informed Consent)**

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

**POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

**Ozone Regulation (1005/2009)**

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

**Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

**Drug Precursors Regulation (273/2004)**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 15.1.2. National regulations

**United Kingdom**

National regulations : Take note of Directive 94/33/EC on the protection of young people at work.
Take note of Directive 92/85/EC on the safety and health of pregnant workers at work.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

**For the following substances of this mixture a chemical safety assessment has been carried out:**
Aluminosilicate refractory ceramic fibres
Polycrystalline wools (PCW)

## SECTION 16: Other information

| **Abbreviations and acronyms:** | |
|---|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC50 | Median effective concentration |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| OECD | Organisation for Economic Co-operation and Development |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| STP | Sewage treatment plant |
| TLM | Median Tolerance Limit |
| vPvB | Very Persistent and Very Bioaccumulative |
| CAS-No. | Chemical Abstract Service number |

Data sources : European Chemicals Agency, http://echa.europa.eu/.
Other information : Occupational Hygiene: dawn.webster@alkegen.com.

| **Full text of H- and EUH-statements:** | |
|---|---|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Carc. 1B | Carcinogenicity (inhalation) Category 1B |
| H302 | Harmful if swallowed. |
| H350i | May cause cancer by inhalation. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| STOT RE 2 | Specific target organ toxicity – Repeated exposure, Category 2 |

| **Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:** | | |
|---|---|---|
| Carc. 1B | H350i | Calculation method |

KFT SDS EU 06

The information presented on this SDS (1) provides details on material identity, manufacturer/supplier information, hazard characterization and prevention, emergency response and other specialized information, (2) is considered to be accurate to the best of our knowledge, information and good faith belief as of the date of publication, (3) is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release of the material named, (4) should be read and used in conjunction with the company's relevant literature, (5) relates only to the specific material designated and may not be valid for such material used in combination with any other material or process and (6) is provided without warranty, expressed or implied, in law or in fact, of merchantability or fitness for a particular purpose. This document does not constitute a product specification and should not be relied on as such. Employers may use this SDS to supplement other information gathered by them in their efforts to assure the health and safety of their employees and the proper use of the product.