OMEGA-SIL

This PSI replaces the MSDS. Product is not hazardous according to CLP, see section 2.1. Please observe the general information about this PSI in section 16. “Other Information”.

1. Identification of the Substance / Mixture and of the Company / Undertaking

1.1 Product Identifier

Commercial product name: OMEGA-SIL
REACH registration number: 01-2119491173-xxxx

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Use: Functional filler.
Use advised against: None.

1.3 Details of the Supplier of the Product Safety Information

Company designation: OMEGA MINERALS Germany GmbH
Rugenbarg 63a
22848 Norderstedt
Germany
E-mail (competent person): info@osthoffomegagroup.com

1.4 Emergency Telephone Number

Emergency telephone number: +49 40 528707-0
Mobile: +491776784633

2. Hazards Identification

2.1 Classification of the Substance or Mixture

Classification according to: Regulation (EC) No. 1272/2008
Not classified according to CLP.

2.2 Labelling Elements

Labelling according to: Regulation (EC) No. 1272/2008
Not subject to labelling.

2.3 Other Hazards

Other hazards: None.

3. Composition / Information on Ingredients

3.1 Chemical Characterization

EC name: Ashes (residues), coal.
Synonyms: Fly ash, coal fly ash.
EC no.: 931-322-8.
Purity: 100% (UVCB). Substance is UVCB-substance composed of glassy/amorphous material and mineral phases. Its chemical composition is preferably analyzed as elements and reported as the mass percent of each equivalent oxide, e.g. SiO$_2$, Al$_2$O$_3$, Fe$_2$O$_3$, CaO.
4. First Aid Measures

4.1 Description of First Aid Measures

If inhaled No specific measures required.
In case of skin contact Wash with water (if irritation persists, seek medical advice).
In case of eye contact Rinse with water (if irritation persists, seek medical advice).
If swallowed Drink plenty of water (upon discomfort, seek medical advice).
Information for the physician No allergic reactions known, the substance is mineral dust.
Acute or delayed symptoms and/or effects Might cause mechanical irritations of skin and/or eyes.

4.2 Indication of any Immediate Medical Attention and Special Treatment Needed

Immediate medical attention None.

5. Fire Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media The product is not combustible. Choose extinguishing media suitable for surrounding fire.

5.2 Special Hazards Arising from the Substance or Mixture

Special hazards None.

5.3 Advice for Fire Fighters

Additional information Not required.

6. Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions Avoid generation of dust. Refer to section 8.

6.2 Environmental Precautions

Environmental precautions Avoid generation of dust. Refer to section 8.

6.3 Methods and Materials for Containment and Cleaning Up

Spillage Sweep up substance, store and dispose in suitable containers. Generation of dust can be avoided by using an approved industrial vacuum cleaner.

6.4 Reference to Other Sections

Personal precautions See section 8.
Disposal See section 13.

7. Handling and Storage

7.1 Precautions for Safe Handling

Advice on safe handling Avoid generation of dust. Do not eat, drink and/or smoke in workplace. Wear suitable protective clothing (e.g. protective goggles, gloves). Avoid long or repeated skin contact. Wash hands after work.

7.2 Conditions for Safe Storage, Including any Incompatibilities

Storage space and container requirements No special requirements are necessary.
Storage specifications No special requirements are necessary.

7.3 Specific End Uses

Information on end uses None.
8. Exposure Controls / Personal Protection

8.1 Dust Exposure Control
General dust limit Observe general threshold limit for dust.

8.2 Limitation and Monitoring of Exposures
Appropriate Engineering Controls:
For closed cycles Provide de-dusting equipment.
For semi-closed and open cycles Provide de-dusting equipment and/or sufficient ventilation or moistening of the ash.

Recommended Individual Protective Measures:
Eye / face protection Wear protective goggles in case of dust generation.
Skin / hand protection The use of protective gloves is recommended in case of skin contact.
Respiratory protection In case of dust generation the use of a dust mask type P1 or FFP is recommended.

9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties
Physical state Solid.
Form Fine powder.
Colour Greyish brown to black.
Odour Odourless.
Density (g/cm³) 2.0 – 2.6
Bulk density (g/cm³) 0.8 – 1.2
pH value (10%, 20°C) < 12.5
Water solubility (g/L) 0.7 – 1.4

9.2 Other Information
Further information All other parameters as given in Annex 2 of REACH regulation are evaluated as not applicable for ashes (residues), coal.

10. Stability and Reactivity

10.1 Reactivity
Reactivity No reactivity hazards.

10.2 Chemical Stability
Chemical stability Stable under normal conditions.

10.3 Possibility of Hazardous Reactions
Hazardous reactions Not applicable as material is not hazardous and no reactivity hazards are to be expected.

10.4 Conditions to Avoid
Conditions to avoid No special requirements.

10.5 Incompatible Materials
Materials to avoid No incompatible materials known.

10.6 Hazardous Decomposition Materials
Hazardous decomposition products Not applicable as material has no hazardous properties.
11. Toxicological Information

11.1 Potential Health Effects
Potential hazards to health
The substance is not classified as hazardous.

11.2 Acute Toxicity, Oral, Inhalation, Dermal
Acute toxicity
No acute toxicity.

11.3 Irritation: Skin, Eye
Irritation
Not irritating.

11.4 Corrosivity
Corrosivity
Not corrosive.

11.5 Sensisation
Sensisation
Not sensitising.

11.6 Repeated Dose Toxicity
Toxicity
No repeated toxicity.

11.7 Mutagenicity
Mutagenicity
Not mutagen.

11.8 Carcinogenicity
Carcinogenicity
No carcinogenic effects are known.

11.9 Toxicity to Reproduction
Toxicity to reproduction
No reproduction toxicity.

11.10 Additional Information
Further information
For more detailed information to toxicological aspects, see Chemical Safety Report (CSR).

12. Ecological Information

12.1 Toxicity
Toxicity
The substance is classified as non-hazardous. No aquatic toxicity. No toxicity in sewage treatment plants.

12.2 Persistence and Degradability
Degradability
Not applicable: inorganic substance. Neither photo- or chemical degradation, nor biodegradation is expected.

12.3 Bioaccumulative Potential
Bioaccumulation
Not applicable: inorganic substance. Significant bioaccumulation is not expected.

12.4 Mobility in Soil
Mobility
Moderately mobile in soil. An adsorption to soil particles is possible. Leaching of main compounds (SiO₂, Al₂O₃) is not expected.

12.5 Results of PBT and vPvB Assessment
Results of assessment
No PBT and/or vPvB properties.

12.6 Other Adverse Effects
Further Information
No other adverse effects are known. Due to the CLP system the substance has not to be labelled as dangerous for the environment. For more detailed information to toxicological aspects, see Chemical Safety Report (CSR).
13. Disposal Considerations

13.1 Waste Treatment Methods

Disposal considerations: Ashes (residues), coal have to be disposed of by national regulations for non-hazardous wastes; no further special treatment methods are necessary.

Waste codes:
- 10 Wastes from thermal processes.
- 10 01 Wastes from power stations and other combustion plants (except 19).
- 10 01 02 Coal fly ash.
- 10 01 17 Fly ash from co-incineration other than those mentioned in 10 01 16.

14. Transport Information

14.1 Transport Information

UN
- Land transport ADR/RID-GGVSEB: Not a dangerous good according to the regulations.
- Marine transport IMDG/GGVsee: Not a dangerous good according to the regulations.
- Air transport ICAO/IATA: Not a dangerous good according to the regulations.

15. Regulatory Information

15.1 Safety, Health and Environmental Regulations / Legislations Specific for the Substance or Mixture

VwVws: German “Administrative Regulation on the Classification of Substances Hazardous to Waters into Water Hazard Classes”.

15.2 Chemical Safety Assessment

Safety assessment: Ashes (residues), coal do not require any labelling. Not classified as PBT and/or vBvP substances.

15.3 Water Pollution Class

Water hazard: WGK 1 “German Water Hazard Classification” (slightly hazardous to water) - self assessment according to Annex 3 VwVws.
16. Other Information

16.1 General Information

According to Chapter 1.5.2 of the UN Globally Harmonised System of classification and labelling of chemicals (GHS), Article 58 (2)(a), and Article 59(2)(b) of (EC) No 1272/2008 (CLP), which amends REACH article 31(1), safety data sheets are only required for substances and mixtures that meet the harmonised criteria for physical, health or environmental hazards.

Since the product does not meet these criteria, a safety data sheet is not issued.

In order to communicate relevant HSE information, this Product Safety Information (PSI) is provided instead.

REACH article 31(7) requires relevant exposure scenarios from the Chemical Safety Report (CSR) to be placed into the annex to the Safety Data Sheet. According to REACH Annex I, section 0, subsection 0.6. no. 4 and 5 however, exposure scenarios are only required for hazard-classified substances or preparations.

Since the product is not hazard-classified, there is no requirement for exposure scenarios.

16.2 Legal Disclaimer

The information given in this PSI is to the best of OMEGA MINERALS’ knowledge and believed accurate and reliable as of the data indicated. However, no representation, warranty or guarantee is made to its accuracy, reliability or completeness. It is the user’s responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

16.3 Reasons for Amendments

Harmonisation of version number.

This Product Safety Information sheet replaces the Version 02 from 25.09.2013.