

# Voluntary Safety Data Sheet

according to Regulation (EC) No 1907/2006, (EC) No 1272/2008 and (EC) No 453/2010

This product does not require a safety data sheet according to Article 31 of the REACH Regulation.

Created on: 05.07.2021

Revised on:

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Version: 2.0

Replaces version: 01/2014

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

### 1.1 Product identifier:

**General designation:** aspha-min®

**Index No:** not applicable

**CS No:** not applicable

**CAS No:** not applicable

**REACH No:** not applicable, exempt from registration according to Art. 2, Para. 7b in connection with Annex V No. 7

**Other designation:** zeolite

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

Main areas of application: **Temperature or viscosity reduction in the production of asphalt**

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

#### Manufacturer / Supplier:

MHI Naturstein & Baustoffservice GmbH  
Main-Kinzig-Straße 30  
63607 Wächtersbach (Germany)  
E-mail: [info@aspha-min.com](mailto:info@aspha-min.com)

#### Contact for technical information:

MHI Naturstein & Baustoffservice GmbH  
E-mail: [info@aspha-min.com](mailto:info@aspha-min.com)  
Phone: +49 (0)6053 6189-0  
Fax: +49 (0)6053 6189-14

### 1.4 Emergency Telephone number:

As no acute effects are known and no special first aid measures are required: not relevant

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture:

not applicable:

Dust may be generated when handling this substance.

The product should be handled carefully to avoid dust formation.

Classification according to Directive 67/548/EWG or Directive 1999/45/EC (substances or mixtures):

Not applicable, no classification

### 2.2 Label elements

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

Labelling and classification not applicable.

### 2.3 Other hazards

As a matter of principle, chemicals pose special dangers. They should therefore only be handled qualified personnel and in compliance with occupational health and safety regulations.

The product is an inorganic substance and does not fulfil the criteria of a PBT or VPBT substance.

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## SECTION 3. Composition/information on ingredients

### 3.1 Substances:

**General designation:** Sodium aluminium silicate  
**INDEX No:** not applicable  
**EC No:** 215-238-8  
**CAS No:** 1318-02-1  
**Proportion:** 80%

#### **Impurities, stabilising additives and individual components**

**Substance name:** Water  
**EC No:** 7732-18-5  
**Proportion:** 20%

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

No special first aid measures required.

#### Following inhalation:

Fresh air supply; consult a doctor in case of complaints.

#### Following skin contact:

Wash off with soap and water.

#### Following eye contact:

Rinse opened eye under running water. If eye irritation persists consult a medical specialist.

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

No acute and delayed symptoms and effects were observed.

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

No specific emergency measures or special treatments required.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media: any, depending on the environment

Unsuitable: not applicable

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

None

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## 5.3 Advice for fire-fighters

None specific fire-fighting measures required.

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## SECTION 6: Accidental release measures

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

Avoiding dust generation, ensuring adequate ventilation or respiratory protection when exceeding of the occupational exposure limits according to TRGS 900.

### 6.2 Environmental precautions

No special measures required.

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

Pick up mechanically, dry or wet If possible, do not sweep dry.

### 6.4 Reference to other sections

See sections 8 and 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid dust formation, ensure adequate ventilation or respiratory protection.

Advice on safe handling: Do not eat, drink or smoke at workplaces. Wash hands before breaks or at the end of work. If necessary, remove soiled clothing and PSA before going to break and dining rooms.

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

Avoid dust formation.

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## 7.3 Specific end uses

The regulations of TRGS 559 "Mineral Dust" in the currently valid version apply.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### 8.1.1 Occupational exposure limit values and / or biological limit values Occupational exposure limit values (AGW) Germany

Substance name: general dust  
Value: 1.25 mg/m<sup>3</sup> (A) alveolar fraction; 10 mg/m<sup>3</sup> (E) inhalable fraction  
Monitoring procedure: according to TRGS 900

#### 8.1.2 DNEL and PNEC values

Not a substance subject to registration under Reach, therefore no data available

#### 8.1.3 Control banding (e.g. ILO, EMKG)

No control banding available

## 8.2 Exposure controls

### 8.2.1 Suitable technical control equipment.

Avoid dust generation, use enclosed equipment if possible, carry out workplace measurements, implement organisational measures such as cordoning off dust-intensive areas.

### 8.2.2 Individual protective measures - personal protective equipment

#### Eye / Face protection

Safety glasses recommended.

#### Body protection

No specific measures required.

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## Hand and skin protection

Appropriate protective measures such as gloves or protective cream are recommended for workers suffering from dermatitis or sensitive skin. Wear protective clothing. Wash hands before breaks and at the end of work.

## Respiratory protection

In case of dust generation use e.g. particle filtering half mask or particle filter P1 to P3.

### 8.2.3 Environmental exposure controls:

Do not allow to enter sewage, drains, soil, ground water or bodies of water. In case of release of large quantities, inform competent authorities. Avoid dust formation when handling.

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## SECTION 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

**State of aggregation:** Powder or fine granules

**Colour:** white

**Odour:** odourless

**Odour threshold:** none

**pH value:** approx. 12

**Melting point/freezing point:** > 1200° C

**Initial boiling point and boiling range:** > 1200° C

**Flash point:** not relevant

**Evaporation rate:** not relevant

**Flammability (solid, gas):** not relevant

**Upper/lower flammability or explosion limits:** not relevant

**Vapour pressure:** not relevant

**Vapour density:** approx. 0.5-0.6 g/cm<sup>3</sup>

**Relative density:** 2 t/m<sup>3</sup>

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<b>Solubility(ies) in water:</b>	aspha-min® is not soluble in water
<b>Particle size distribution:</b>	Powder: 3.5 µm; fine granules: 380 µm
<b>Auto-ignition temperature:</b>	not relevant
<b>Decomposition temperature:</b>	not relevant
<b>Viscosity:</b>	not relevant
<b>Explosive properties:</b>	not relevant
<b>Oxidising properties:</b>	not relevant

## 9.2 Other information:

No new information.

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity:

Inert, non-reactive

### 10.2 Chemical stability:

Chemically stable under normal ambient conditions and under the temperature and pressure conditions expected during storage and handling.

### 10.3 Possibility of hazardous reactions

No dangerous reactions known.

### 10.4 Conditions to avoid:

Not relevant.

### 10.5 Incompatible materials:

Do not store together with acids, provide alkali-resistant floor.

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## 10.6 Hazardous decomposition products:

Not relevant.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

For mixtures to the following effects

#### Acute toxicity

Based on available data, the classification criteria are not met.

#### Skin corrosion/irritation

Based on available data, the classification criteria are not met.

#### Eye damage/irritation

Based on available data, the classification criteria are not met.

#### Skin sensitization

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Based on available data, the classification criteria are not met.

#### Reproductive toxicity

Based on available data, the classification criteria are not met.

#### Specific target organ toxicity (single exposure)

Based on available data, the classification criteria are not met.



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## Specific target organ toxicity (repeated exposure)

Based on available data, the classification criteria are not met.

## Aspiration hazard

Based on available data, the classification criteria are not met.

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## SECTION 12: Ecological information

### 12.1 Toxicity:

Not relevant

### 12.2 Persistence and degradability

Not relevant

### 12.3 Bioaccumulative potential

Not relevant

### 12.4 Mobility in soil

Negligible

### 12.5 Results of PBT and vPvB assessment

Not relevant

### 12.6 Endocrine disrupting properties

No harmful effects known.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

aspha-min® can be disposed of together with household waste in compliance with the necessary technical regulations after consultation with the disposal company and the responsible authorities.

#### Treatment of contaminated packaging

Feed cleaned packaging into the local recycling system.

#### Waste code according to the List of Wastes Ordinance (AVV)

01 04 10

#### Special precautions

No special precautions necessary.

#### Relevant EU or other regulations

Not relevant

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## SECTION 14: Transport information

### 14.1 UN number or ID number

Not relevant, the product is not a dangerous good in the sense of the transport regulations.

### 14.2 UN Proper shipping name

#### ADR / RID:

Not relevant, the product is not a dangerous good in the sense of the transport regulations.

#### IMDG-Code / ICAO-TI / IATA-DGR

Not relevant, the product is not a dangerous good in the sense of the transport regulations.

### 14.3 Transport hazard class(es)

Not relevant, the product is not a dangerous good in the sense of the transport regulations.

### 14.4 Packing group

Not relevant

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## 14.5 Environmental hazards

ADR / RID / IMDG-Code / ICAO-TI / IATA-DGR: NO  
Marine Pollutant: NO

## 14.6 Special precautions for user

None

## 14.7 Carriage in bulk according to Annex II of MARPOL 73/78 and the IBC-Code

Pollution category (X, Y or Z): not relevant  
Type of vessel (1, 2 or 3): not relevant

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## SECTION 15: Regulatory information

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

National regulations e.g.

**Water hazard class:**

WGK 1, slightly hazardous to water, classification by Commission for the Evaluation of Substances Hazardous to Water (KBWS), identification no. 805

**Technical Instructions on Air Quality (TA Luft)**

**Ordinance on Protection against Hazardous Substances**

**TRGS 402 "Determining and assessing the hazards of activities involving hazardous substances: Inhalation exposure"**

**TRGS 500 "Protective measures"**

**TRGS 559 "Mineral dust"**

**TRGS 900 "Occupational exposure limit values"**

Other relevant regulations

### 15.2 Chemical Safety Assessment

The product is exempted from the REACH registration obligation according to Art. 2, Para. 7b in connection with Annex V No. 7 excluded.

A chemical safety assessment is not required.

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## SECTION 16: Other information

### 16.1 Other information

#### References and data sources

Mineral dust, brochure of the StBG (now BGRCI). [www.bgrci.de](http://www.bgrci.de)

#### Methods according to Article 9 of Regulation (EC) No 1272/2008 for the assessment of information used for the purposes of classification

The product is not a mixture.

#### Wording of R-phrases, hazard statements, safety advisories and/or precautionary statements referring to the substances listed in Section 2 to 15 is referred to

not applicable

#### Training for workers

Workers should be informed about the contents of TRGS 559 "Mineral Dust".

#### CLP labelling of mixtures (until 2015 as voluntary information in addition to the label according to Directive 1999/45/EC)

not applicable

#### Materials from other suppliers

If materials not manufactured or supplied by MHI Naturstein & Baustoffservice GmbH are used in conjunction with or instead of materials manufactured or supplied by MHI Naturstein & Baustoffservice GmbH, the purchaser of such materials is responsible for requesting from the manufacturer or supplier of the materials concerned all necessary information on these or other materials, e.g. on technical data and other product properties.

Long-term exposure to high levels of dust can lead to the development of chronic inflammation in the respiratory tract.

#### Liability

This information reflects the state of knowledge of MHI Naturstein & Baustoffservice GmbH at the time of compiling the information correctly and reliably. However, no responsibility, guarantee or warranty is assumed for the accuracy, reliability or completeness of the information given here. It is the responsibility of the user to satisfy himself of the suitability and completeness of the information for his particular application.