

Safety data sheet

according to Regulation (EC) No 1907/2006 (REACH)

Aurum stones / nuggets (all sizes)
Status 08.2018

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

1.1 Product identifier

Designation: **Aurum stones / nuggets (all sizes)**

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

Description/use: **Insulation, construction, absorbent material, horticulture**

1.3. details of the supplier providing the safety data sheet.

Company name: **edelundstein GmbH**
Address: **Einsteinstraße 12**
Location and country: **33104 Paderborn**
GERMANY
Tel. : +49 5254 / 933 07 31
Fax: +49 5254 / 933 07 33

E-mail of the competent person,
the information required for the safety data sheet
responsible is: **info@edel-und-stein.com**

1.4. emergency number

For urgent information / technical information contact: **Dr Felix Ferlemann +49 170 / 736 29 24.**

SECTION 2: Potential hazards

2.1 Classification of the substance or mixture

The product is classified as non-hazardous according to the regulations under Regulation (EC) 1272/2008 (CPL).

2.2 Marking elements

Hazard labelling according to Regulation (EC) 1272/2008 (CPL):

The product does not have to be labelled according to EC directives or the respective national laws.

2.3 Other hazards

Repeated inhalation of larger amounts of dust over a longer period of time increases the risk of lung diseases. There is a risk of mechanical introduction of foreign bodies into the eye (irritation).

2.3.1 Results of the PBT and vPvB assessment

PBT / vPvB: **Does not meet the classification criteria according to Regulation (EC) No 1907/2006 Annex XIII.**

SECTION 3: Composition / information on ingredients

3.1 Chemical characterisation

Name: **Aurum Stones / Nuggets**
CAS No.: **93763-70-3**
Aluminium-iron-magnesium-silicate

3.2 Hazardous ingredients

No hazardous ingredients.

SECTION 4: First aid measures

If a doctor is consulted, please present this product safety information sheet.

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4.1 Description of first aid measures

General information:

If in doubt, or if symptoms persist, consult a doctor. Present product safety information sheet.

After inhalation:

Provide fresh air. Dust from throat and nose area should be removed quickly. Consult a doctor if symptoms such as malaise, coughing or persistent irritation occur.

In case of skin contact:

Rinse with plenty of water. Consult a doctor in case of skin complaints.

After eye contact:

Do not rub eyes dry, because additional corneal damage is possible due to the mechanical stress. If necessary, remove the contact lens and immediately rinse the eye under running water for at least 15 minutes with the eyelid open to remove all particles. If possible, use isotonic eye rinsing solution (0.9 % NaCl). Always consult an occupational physician or ophthalmologist.

After ingestion:

If conscious, rinse mouth and drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation of the material dust may aggravate existing respiratory diseases or impairments, such as asthma or emphysema. Contact with the material may aggravate existing skin or eye diseases.

4.3. indications for immediate medical help or special treatment

Symptomatic treatment.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Aurum stones / nuggets are not flammable or explosive when delivered. Extinguishing agents and fire-fighting measures must be adapted to the surrounding fire.

Unsuitable extinguishing media:

none

5.2 Special hazards arising from the substance or mixture

No fire-relevant hazard.

5.3 Advice for fire fighting

No special measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protective clothing (see point 8.2.1.)
Observe instructions for safe handling according to point 7.1.
An emergency plan is not required.

6.2 Environmental protection measures

The product is not classified as environmentally hazardous. Spillage on water systems should be avoided.

6.3 Methods and material for containment and cleaning up

If possible, clean up the spillage using dry or wet methods.

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Dry material:

If possible, use dry methods for cleaning that do not generate dust, e.g. industrial Hoover with suitable filter, or moisten and remove by wet method. If dust is generated during dry cleaning, it is essential to use personal protective equipment.

Wet material:

Take up the damp material mechanically and dispose of it according to point 13.

6.4 Reference to other sections

See protective measures section 7 and 8.

SECTION 7: Handling and storage

7.1 Protective measures

Measures for safe handling:

Avoid dust formation.

Please follow the recommendations under point 8.

Do not compress empty bags or only compress them in a clean oversack.

Measures to prevent fires:

The product is not flammable.

7.2 Conditions for safe storage taking into account incompatibilities

VCI storage class 13 (non-flammable solids)

Always store in the original container. Packaged material should be stored in unopened bags on the floor under dry conditions.

SECTION 8: Exposure controls / Personal protective equipment

8.1 Exposure limit values

General dust limit:

A-dust: 3 mg / m³ (alveolar)

E-dust: 10 mg / m³ (inhalable)

8.2 Exposure controls and monitoring

8.2.1 Occupational exposure controls and monitoring

General protective and hygienic measures:

Avoid contact with skin and eyes. Do not eat, drink or smoke while working. Wash hands before breaks and at the end of work and shower if necessary to remove adhering dust. Clean contaminated clothing, shoes, watches, etc. before reuse.



Respiratory protection:

If exposure limits are exceeded, use particle filtering half mask FFP1 (white).
(see leaflet BGR 190).



Hand protection:

Wear protective gloves.



Eye protection:

In case of dust formation, use tightly fitting safety goggles according to DIN EN 166.

Skin protection:

Use skin protection through skin protection plan according to BRG 197. Use skin care products especially after work.

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Body protection:

Wear closed long-sleeved protective clothing and tight footwear.

8.2.2 Limitation and monitoring of environmental exposure

According to the existing technology.

SECTION 9: Physical and chemical properties

9.1. information on the basic physical and chemical properties

Aggregate state	solid (granules)
Odourless	
Colour	Golden yellow / Beige
pH value at 20 °C	6,5 - 7,5
Average particle size	5 µm - 3 cm (depending on grain size)
Melting range:	> 1000 °C
Bulk density (T=20 °C)	60-160 kg / m ³ (depending on grain size)

All other physico-chemical parameters according to Annex II of Regulation (EC) No 1907 / 2006 are not relevant.

SECTION 10: Stability and reactivity

10.1 Reactivity

The product is stable when stored and handled according to instructions.

10.2 Chemical stability

The product is stable when stored and handled according to instructions.

10.3 Possibility of hazardous reactions

The product is stable when stored and handled according to instructions.

10.4 Conditions to avoid

Humidity and moisture during storage can lead to the formation of lumps and loss of product quality.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

Does not decompose in the intended use.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

The product does not meet the criteria for classification as dangerous according to Regulation (EC) No 1272 / 2008 (CPL).

Eye contact:

Direct contact can cause damage to the cornea due to the mechanical action.

Skin contact:

May have a skin and mucous membrane irritant effect.

Ingestion:

Ingestion of larger quantities may cause irritation of the gastrointestinal tract.

Inhalation:

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Exposure to dust can irritate the respiratory tract (throat, lungs). Coughing, sneezing and shortness of breath may result if exposure is above the occupational exposure limit. Inhalation of dust may aggravate existing diseases or impairments of the respiratory system, such as asthma or emphysema.

SECTION 12: Environmental information

12.1 Persistence and degradability

Aurum stones / nuggets are inorganic or mineral material. The methods for determining biodegradability are not applicable to organic substances.

12.2 Bioaccumulative potential

Not applicable as the material is inorganic.

12.3 Mobility in soil

Not applicable as the material is mineral.

12.4 Results of the PBT and vPvB assessment

Not applicable as the material is inorganic.

12.5 Other adverse effects

The product does not meet the criteria for classification as dangerous for the environment according to Regulation (EC) No 1272 / 2008 (CPL).

SECTION 13: Disposal instructions

13.1 Waste treatment processes

Disposal of residues:

Continue to use if possible, avoiding exposure to dust. No special measures necessary except those described in the local regulations for the disposal of non-hazardous goods. Uncontaminated material can also be incorporated into the soil as a soil loosener. Do not dispose of waste via sewers / waste water.

Uncleaned packaging:

Empty packaging completely and send for recycling. Otherwise dispose of according to waste code AVV: 15 01 01 (paper waste and cardboard packaging).

SECTION 14: Transport information

Not subject to international dangerous goods regulations (IMDG, ICAO / IATA, ADN, ADR / RID).
Therefore, no classification / labelling is required.

SECTION 15: Legislation

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

Specific national regulations must be taken into account.

Water hazard class:

LOD (not hazardous to water) (self-classification)

15.2 Chemical Safety Assessment

This safety data sheet has been prepared in accordance with (EC) No 1907 / 2006 (REACH) and (EC) No 1272 / 2008 (CPL).
Conclusion of the CSA: non-hazardous.

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SECTION 16: Other information

16.1 General information

According to Chapter 1.5.2 of the Globally Harmonised System of Classification, Labelling and Packaging of Chemicals (GHS), Article 58 (2) (a) and Article 59 (2) (b) of Regulation (EC) No 1272/2008 (CPL), which supplements Article 31 (1) of the REACH Regulation, safety data sheets are only mandatory for substances and/or mixtures that meet the criteria for physical, health and/or environmental hazards.

Article 31 (7) of the REACH Regulation requires that relevant exposure scenarios from the Chemical Safety Report (CSR) are listed in the annex of the Safety Data Sheet. According to the REACH Regulation (Annex I, Section 0, Subsection 0.6 Nos. 4 and 5) only exposure scenarios for dangerously classified substances and / or mixtures have to be listed. As the material is classified as non-hazardous, no exposure scenarios are listed.

16.2 Legal notice

The information in this safety data sheet contains the requirements for the safe handling of this substance and corresponds to the best of our knowledge at the time of preparation. We make no representation, warranty or assurance as to its accuracy, reliability or completeness. It is the responsibility of the customer to verify the information for adequacy and completeness for their specific uses.