

Safety Data Sheet for not dangerous mixtures according to 830/2015 EU Regulation

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SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers: Art Ingredients - Art Stones, Mini Art Stone, Mega Art Stones, 3D Powder Fine #963699, 963705, 963712, 964672

Type of substance: The product is an article according to REACH and not a raw material or mixture.

1.2 Relevant identified uses of the substance or mixture and uses advised against:
Mineral (Soda-Lime-Expanded glass granulate) for building materials (e. g. render, mortar, tile adhesive, lightweight concrete), fills, panels and plastics

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture: Classification according to Regulation (EC) No 1272/2008

This product is not classified according to (EC) Regulation No 1272/2008.

2.2. Label elements:

Labelling according to Regulation (EC) No 1272/2008

Art Ingredients - Art Stones, Mini Art Stone, Mega Art Stones, 3D Powder Fine (M.)

This product is not classified according to (EC) Regulation No 1272/2008.

2.3 Other hazards:

By destruction of the granules structure at improper use the dust may cause irritations at eyes and respiratory tract. Avoid contact with your eyes, skin or clothes. It does not contain PBT/vPvB materials,

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

The product is an article according to REACH and not a raw material or mixture.

Chemical description:

Non-organic, thermally expanded glass granulate on basis of post consumer glass (container glass and flat glass - soda-lime-silica glass)

Ingredient: Chemical formula typical % by weight

Silicon Dioxide SiO₂ 70-75

Sodium Oxide Na₂O 10-15

Calcium Oxide CaO 7-11

Aluminium Oxide Al₂O₃ 0,5-5

Magnesium Oxide MgO 0-5

Potassium Oxide K₂O 0-4

CAS no.: 65997-17-3

EC no./EINECS no.: 266-046-0

Index no.: Not controlled/Not regulated

Additional details: Not applicable

Art Ingredients - Art Stones, Mini Art Stone, Mega Art Stones, 3D Powder Fine Version number: 1.

SECTION 4. FIRST AID MEASURES

4.1 Description of necessary first-aid measures:

General:

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation:

Remove to fresh air immediately. If breathed in, seek medical aid.

Eye contact:

Flush eyes with plenty of running water for at least some minutes. Consult a doctor if considerable disturbances appear..

Skin contact:

Wash skin with soap and water. Disrobe soiled clothing and shoes. Consult a doctor in case of irritations.

Ingestion:

There are not known any effects. Irritations of the mouth, throat, trachea and gastro-intestinal tract are possible. Allow the casualty to rinse his or her mouth and give some water to drink, consult a doctor.

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

There are not known any typical symptoms and effects.

4.3 Indication of immediate medical attention and special treatment needed:

Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Not applicable, product is non-flammable

5.2 Special hazards arising from the substance or mixture

No special risks caused by the product or mixture.

5.3 Advice for firefighters

The extinguishing agent should be chosen according to the primary cause of fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal safety equipment. The usage of a particle filtered protective mask is indicated.

6.2 Environmental precautions

Product shouldn't get into the canalisation, because it floats on the water due to its low density, and may cause blocked pipes

6.3 Methods and materials for containment and cleaning up

Remove spillage in accordance with Section 8. Sweep or vacuum the spillage and dispose it properly.

6.4 Reference to other sections

Instructions for disposal see paragraph 13

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid formation of dust. The usage of particle filtered protective mask P2 is required if the dust concentration rises above the reference value. Avoid contact with eyes. Avoid ingestion or inhalation.

7.2 Conditions for safe storage, including any incompatibilities

Protect against humidity

7.3 Specific end uses

See section 1.2 Maximum blowing pressure for pneumatic conveyors is 0,8 bar

Art Ingredients - Art Stones, Mini Art Stone, Mega Art Version number: 1. Stones, 3D Powder Fine

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure limits General maximum dust emission (ASGW)

respirable dust: 1,25 mg/m³

total inhalable dust: 10 mg/m³

exceedance factor and category: 2 (II)

These values are reference dust values. Reference dust values vary depending on the country of application.

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice..

Personal protective equipment

Eye/face protection

Wear safety glasses with side shields to protect against eye contact.

Skin protection

Wear suitable protective gloves in order to minimize skin contact.

Body Protection

Wear general purpose work suite to protect skin from irritation.

Respiratory protection

The usage of a particle filtered protective mask P2 is required if the dust concentration rises above the reference AGW value.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

(a) Appearance: solid/powder, grain sizes 0,04 - 6 mm, Colour: creamy white

(b) Odour: Odourless

(c) Odour threshold: not determined

(d) pH: approx. 8-11 (20°C / 100g/l), pH-meter

(e) Melting point/freezing point: approx. 900°C (1650°F), published values of container glass Softening point: approx. 700°C (1292°F), DIN ISO 7884-6

(f) Initial boiling point and boiling range: Not expedient; It's a mineral product

(g) Flash point: non-combustible

(h) Evaporation rate: Not applicable

(i) Flammability (solid, gas): non-combustible

(j) Upper/lower flammability or explosive limits:

(k) Vapour pressure: Not applicable

(l) Vapour density: Not applicable

(m) Relative density: 110-650 kg/m³ depending on grain size, DIN 52110A

(n) Solubility(ies): water-insoluble

(o) Partition coefficient: n-octanol/water: Not applicable

(p) Auto-ignition temperature: Not applicable

(q) Decomposition temperature: Not applicable

(r) Viscosity: Not applicable

(s) Explosive properties: Not applicable

(t) Oxidising properties. Not applicable

Danger of dust explosion: Not applicable

9.2. Other information

No data available

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

Not reactive

10.2 Chemical stability

Stable under normal temperature and pressure conditions.

10.3 Possibility of hazardous reactions

Not applicable

Art Ingredients - Art Stones, Mini Art Stone, Mega Art Stones, 3D Powder Fine Version number: 1.

10.4 Conditions to avoid

Temperatures above 900° C, product starts to melt

10.5 Incompatible materials

Hydrofluoric acid (HF); material dissolves by generation of H₂SiF₆

10.6 Hazardous decomposition products

Not applicable

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

- (a) acute toxicity: Based on available data, the classification criteria are not met
- (b) skin corrosion/irritation: Based on available data, the classification criteria are not met
- (c) serious eye damage/irritation: Based on available data, the classification criteria are not met
- (d) respiratory or skin sensitisation: Based on available data, the classification criteria are not met
- (e) germ cell mutagenicity: Based on available data, the classification criteria are not met
- (f) carcinogenicity: Based on available data, the classification criteria are not met
- (g) reproductive toxicity: Based on available data, the classification criteria are not met
- (h) STOT-single exposure: Based on available data, the classification criteria are not met
- (i) STOT-repeated exposure: Based on available data, the classification criteria are not met
- (j) aspiration hazard: Based on available data, the classification criteria are not met

Eye contact: Irritations may appear

Ingestion: Irritations of the mouth, trachea and gastro-intestinal tract may appear

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Based on available data, the classification criteria are not met

12.2 Persistence and degradability

Biological nondegradable, as of mineral origin

12.3 Bioaccumulative potential

Not determinable, because it is not fat-soluble

12.4 Mobility in soil

Not applicable

12.5 Results of PBT and vPvB assessment

The product does not fulfill the criteria for PBT(Persistent/bioaccumulative/toxic) and vPvB (very persistent/very bioaccumulative).

12.6 Other adverse effects

Unknown

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal in accordance with federal, state and local regulation.

AVV Refuse code: 170202

Refuse description: Soda-Lime-Expanded glass granulate

AVV packing: Not applicable

SECTION 14. TRANSPORT INFORMATION

Transportation for non-hazardous goods.

14.1 ADR/RID, IMDG, IATA: UN number: Not applicable.

14.2 ADR/RID, IMDG, IATA: UN proper shipping name: Not applicable.

14.3 ADR/RID, IMDG, IATA: Transport hazard class(es): Not applicable.

14.4 ADR/RID, IMDG, IATA: Packing group: Not applicable.

14.5 Environmental hazards: No

14.6 Special precautions for user: protect against humidity; maximum blowing pressure: 0,8 bar

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

Irrelevant

Art Ingredients - Art Stones, Mini Art Stone, Mega Art Stones, 3D Powder Fine Version number: 1.

SECTION 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

According to the local regulation. For product there are no special requirements.

15.2 Chemical Safety Assessment

Not applicable. This product is excluded of the REACH-Registration obligation according to EC 1907/2006 appendix V.11

SECTION 16. OTHER INFORMATION

Abbreviations:

EK / EU European community/European union

EGK European Economic Community

DNEL Derived No Effect Level

PNEC Predicted No Effect Concentration

CLP Regulation on Classification, Labelling and Packaging of Substances and Mixtures /

CAS Chemical Abstracts Service

UN / ENSZ United Nations

ADN Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

ADR Accord européen relatif au transport international des marchandises Dangereuses par Route
RID Règlement international concernant le transport des marchandises dangereuses par chemin de fer

IMDG International Maritime Code for Dangerous Goods

MARPOL International Convention for the Prevention of Pollution From

Ships IBC Intermediate Bulk Container

IATA International Air Transport Association

ICAO International Civil Aviation Organization

PBT Persistent, Bioaccumulative, Toxic

vPvB very Persistent, very Bioaccumulative

This product Safety Data Sheet provides health, safety, and regulatory information. The information contained in this Safety Data Sheet is based on data available to us at the date of issue, and is provided in good faith, and believed to be accurate and reliable at the date of issue, however, no warranty, express or implied is provided. The product is to be used in applications consistent. For any other uses, exposures should be evaluated so that the appropriate handling practices and training programs can be established to ensure safe working conditions and operations. It is the buyer's/user's responsibility to satisfy itself that the product is suitable for the intended use, and to ensure that its activities comply with all federal, state, provincial, or local laws and regulations. Regulatory requirements are subject to change and may differ between European Member States and Nations. Individuals handling this product should be informed of the recommended safety precautions and should have access to this information.