Art Ingredients - Art Stones, Mini Art Stone, Mega Art Stones, 3D Powder Fine

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


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
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 is 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
SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
Exposure limits General maximum dust emission (ASGW)
respirable dust: 1.25 mg/ml
total inhalable dust: 10 mg/ml
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/ml 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 Version number: 1. Stones, 3D Powder Fine

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
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.