

Safety Data Sheet (SDS)

According to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) No 2020/878

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Trade name: Aerated Concrete Granules

Synonyms: Lightweight concrete granules, AAC granules

1.2 Relevant identified uses

Uses: Lightweight aggregate, insulation fill, construction material

Uses advised against: Not intended for ingestion, inhalation of dust to be avoided

1.3 Details of the supplier

Company: Chap-yt bv

Address: Vaartkant Links 39a, 2960 Brecht, Belgium

Telephone: [Insert phone number]

Email: [Insert email address]

1.4 Emergency telephone number

[Insert local emergency number]

SECTION 2: Hazards Identification

Classification (EC 1272/2008):

- Eye Irritation, Category 2 (H319)
- Skin Irritation, Category 2 (H315)
- STOT SE 3 (H335)

Label elements:

■ ■ Signal word: Warning

H315: Causes skin irritation

H319: Causes serious eye irritation

H335: May cause respiratory irritation

Precautionary statements:

P261: Avoid breathing dust

P280: Wear protective gloves, clothing, eye protection, and FFP3 dust mask

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P302+P352: IF ON SKIN: Wash with plenty of water

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing

SECTION 3: Composition/Information on Ingredients

Mixture of:

- Calcium silicate hydrates
- Sand (silica, quartz < 10 µm fraction may be present)
- Portland cement residuals

Contains crystalline silica in bound form; respirable dust may be generated when handling.

SECTION 4: First Aid Measures

- Inhalation: Move to fresh air. Seek medical advice if symptoms persist.
- Skin contact: Wash with soap and water. Remove contaminated clothing.
- Eye contact: Rinse immediately with plenty of water for at least 15 minutes. Seek medical advice if irritation persists.
- Ingestion: Rinse mouth and drink water. Seek medical advice if unwell.

SECTION 5: Firefighting Measures

- Product is non-combustible.
- Use firefighting measures suitable for surrounding materials.

SECTION 6: Accidental Release Measures

- Avoid dust formation.
- Wear FFP3 mask, gloves, and goggles.
- Sweep or vacuum material using dust control methods.

SECTION 7: Handling and Storage

- Handle with care to prevent dust.
- Always wear FFP3 dust mask when handling or applying granules.
- Store in dry conditions. Protect from moisture.

SECTION 8: Exposure Controls/Personal Protection

Occupational exposure limit values:

- Respirable crystalline silica (quartz): 0.1 mg/m³ (8h TWA, EU)

Personal protective equipment:

- Respiratory protection: FFP3 dust mask mandatory when handling
- Hand protection: Protective gloves
- Eye protection: Safety goggles
- Skin protection: Protective clothing

SECTION 9: Physical and Chemical Properties

- Appearance: Light grey, porous granules
- Odour: None
- pH (in water): 10–12 (alkaline)
- Density: ~0.3–0.6 g/cm³
- Solubility: Insoluble in water

SECTION 10: Stability and Reactivity

- Stable under normal conditions.
- Reacts with water: alkaline reaction.

SECTION 11: Toxicological Information

- May cause skin/eye irritation.
- Prolonged inhalation of dust may cause respiratory tract irritation.
- Long-term excessive exposure to respirable crystalline silica dust can cause silicosis (not expected under normal use with dust control).

SECTION 12: Ecological Information

- Not hazardous to the environment.
- Alkaline in contact with water; avoid release into waterways in large amounts.

SECTION 13: Disposal Considerations

- Dispose of in accordance with local regulations.
- Product can often be reused or recycled as aggregate.

SECTION 14: Transport Information

- Not classified as dangerous goods.

SECTION 15: Regulatory Information

- Conforms to Regulation (EC) No 1907/2006 (REACH).

SECTION 16: Other Information

This SDS is prepared for Aerated Concrete Granules.

Additional safety measure included: Always wear an FFP3 dust mask when handling granules due to risk of dust inhalation.