

Material Safety Data Sheet

According to 91 / 155 EC

Product name: estheticast exact - Investment powder

Made on: 01.05.2014

Printing Date: 01.05.2014

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1. Identification of the substance/preparation and of the company/undertaking

Product details / Trade Name: estheticast exact investment powder

Manufacturer / Supplier:

dentona AG
Otto-Hahn-Str. 27
D – 44227 D o r t m u n d
Germany
Tel.: 0049 – 231 556 0
Fax : 0049 – 231 5556 30

2. Composition / Information about Ingredients

Chemical characterization:

Description: Mixture of substances listed below with non hazardous additions.

CAS Nr.: 14808-60-7

14464-46-1

Chemical formula: Mixture of SiO₂, NH₄H₂, MgO

14808-60-7 Quartz (SiO₂) SiO₂ 10-30%

14464-46-1 Cristobalite 40-70%

Hazard identification: Xn - Harmful

R-Phrases: R20/R21

Additional information:

3. Hazards Identification

Hazard Identification: Xn - Harmful

Information concerning particular hazards for human and environment:

R20 Harmful by inhalation

R36/38 Irritating to eyes and skin

Classification System:

The classification is according to the latest editions of the EU-lists, And extended by company and literature data.

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4. First-Aid Measures

General Information:

Symptoms of poisoning may even occur after several hours, therefore, medical observation for at least 48 hours after the accident.

After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persists.

After skin contact:

Immediately wash with water and soap and rinse thoroughly. Immediately rinse with water.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persists consult a doctor.

After swallowing: Rinse mouth with water. If symptoms persists consult a doctor.

5. Fire-fighting Measures

Suitable extinguishing agents:

CO₂, powder and water. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing agents: None

Protective Equipment: Mouth respiratory protective device.

Additional information:

6. Accidental Release Measures

Person related safety precautions:

Avoid dust and wear a lab coat.

Measures for environmental protection:

Do not allow to enter sewer /surface or ground water.

Measures for cleaning/collecting:

Dispose contaminated material as waste according to point 13. Ensure adequate ventilation.

Additional information:

For personal safety, see point 8.

7. Handling and Storage

Handling:

– Information for safe handling:

- Thorough dedusting
- Ensure good ventilation / exhaustion at the workplace
- Prevent formation of dust

– Information about fire and explosive protection:

Product cannot burn.

Storage:

- **Requirements to be met by storage rooms and receptacles:** Store in a dry place.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep carton/jar closed.

Storage class:

Class according to regulation on flammable liquids: Void

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8. Exposure Control and Personal Protection:

Additional information about design of technical facilities:

No further data; See point 7

Ingredients with limits values that require monitoring at the workplace:

CAS-Nr.: 14808-60-7 Quartz (SiO₂), Cristobalite

14464-46-1 Cristobalite

OEL: 0.3 mg/m³

Additional Information:

The list valid during the making were used as basis

Personal protective equipment:

- **Respiratory protection:** In case of brief exposure of low pollution use respiratory filter device. In case of intensive or longer exposure use self contained respiratory protective device.
- **Protection of hands:** Protective gloves
- **Eye protection:** Tightly sealed safety glasses
- **Lab coat:** Recommended

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with eyes or skin.

9. Physical and Chemical Properties

Appearance:

- **Form:** Solid
- **Color:** Whitish
- **Odor:** Odorless

Change in condition:

- **Melting Point/Melting Range:** Not determined
- **Boiling Point/Boiling Range:** Not determined
- **Flash Point:** Not applicable
- **Selfigniting:** Product is not selfigniting
- **Danger of Explosion:** Product does not present an explosion hazard
- **Density:** Not determined
- **Solubility in / Miscibility with water:** Insoluble

Solvent content:

Organic Solvent:	0.0%
Solids content:	100.0%

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10. Stability and Reactivity

Thermal decomposition / Conditions to be avoided:

No decomposition if used according to specifications.

Dangerous reactions: None known

Dangerous decomposition products: None known

Additional Information: No dangerous reactions known

11. Toxicological Information

Acute Toxicity:

Primary irritant effects:

- **on the skin:** Irritant to the skin and mucous membranes.
- **In the eye:** Irritating effect.

Sensitization: None known

Additional Information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful.

Irritant.

12. Ecological Information

General Information:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13. Disposal Considerations:

Product:

– **Recommendation:**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

– **Recommendation:**

Disposal must be made according to official regulations.

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14. Transportation Information

Land transport: ADR/RID (Cross Border)

ADR/RID class:

Maritime transport IMDG:

Marina pollutant: No

Transportation / Additional Information:

15. Regulatory Information.

Labeling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

Code letter and hazard designation of products: Xn – Harmful

Risk Phrases:

20 Harmful by inhalation.

36/38 Irritating to eyes and skin.

Safety Phrases:

20 Do not breathe dust

24/25 Avoid contact with skin and eyes.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

28 After contact with skin, wash immediately with plenty of water.

National regulations:

– **Classification according to VbF:** Void

– **Waterhazard class:** Water hazard class 1 (Self-assessment): Slightly hazardous for water.

– **Additional Information:**

16. Other Information.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.