



Material Safety Data Sheet

PEARLESCENT BRONZE

Date: June 2015

1. Product and Supplier Description

Trade Name: Pearlescent Bronze

INCI Name: Mica, CI 77491

Supplier:

Aromantic Ltd

17 Tytler Street

Forres

Moray

IV36 1EL

Tel: 01309 696900

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

Identified uses: Cosmetic raw material.

2. Hazards Identification

2.1 Classification of the substance or mixture

- This substance is not classified as dangerous according to European Union legislation.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Precautionary statements: P260 Do not breathe dust.

Labelling (67/548/EEC or 1999/45/EC)

S-phrase(s): 22 Do not breathe dust.

2.3 Other hazards

- None known.

3. Composition and Ingredient Information

Chemical nature: Mica coated with ferric oxide.

For the full text of the H-Statements mentioned in this Section, see Section 16.

Remarks: No dangerous ingredients according to Regulation (EC) No 1907/2006

4. First Aid Measures

4.1 Description of first aid measures

After inhalation (large amount of dusts): Move to fresh air and consult a doctor in the event of any complaints.

After skin contact:

- Wash off with plenty of water.
- Remove contaminating clothing.

After eye contact: Rinse out with plenty of water.

After swallowing (large amounts): Consult a doctor if feeling unwell.

4.2 Most important symptoms and effects, both acute and delayed

- We have no description of any toxic symptoms.

4.3 Indication of any immediate medical attention and special treatment needed

- No information available.

5. Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: For this substance / mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

- Non combustible.
- Ambient fire may liberate hazardous vapours.

5.3 Advice for firefighters

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

6. Measures in case of accidental release

6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel:

- Avoid inhalation of dusts.
- Evacuate the danger area, observe emergency procedures, and consult an expert.

Advice for emergency responders: Protective equipment see Section 8.

6.2 Environment precautions

- No special precautionary measures necessary.

6.3 Methods and materials for containment and cleaning up

- Observe possible material restrictions (see Section 7.2 and 10.5).
- Take up dry.
- Dispose of properly.
- Clean up affected area.
- Avoid generation of dusts.

6.4 Reference to other sections

Indications about waste treatment: See Section 13.

7. Handling and Storage

7.1 Precautions for safe handling

- Observe label precautions.

7.2 Conditions for safe storage, including any incompatibilities

- Tightly closed.
- Dry.

Storage temperature: No restrictions.

7.3 Specific end uses

- Apart from the uses mentioned in section 1.1 no other specific uses are stipulated.

8. Exposure Controls/Personal Protection

8.1 Control parameters

8.2 Exposure controls

Engineering measures: Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

See Section 7.1

Individual protection measures:

- Protective clothing needs to be selected specifically for the workplace, depending on concentration and quantity of hazardous substance handled.
- The chemical resistance of the protective equipment should be enquired with the respective supplier.

Hygiene measures: Wash hands before breaks and at the end of workday.

Eye / Face protection: Safety glasses.

Hand protection: Not required.

Respiratory protection: Required when dust is generated.

Recommended filter type: Filter P 1 (acc. To DIN 3181) for solid particles of inert substances. The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Form: Powder.

Colour: Bronze.

Odour: Odourless.

Odour Threshold: No information available.

pH: 3.0 – 6.0 at 100 g/l 20 °C (slurry)

Melting point: No information available.

Boiling Point / Boiling range: Not applicable.

Flash Point: Not applicable.

Evaporation rate: No information available.

Flammability (solid, gas): Not applicable.
Lower explosion limits: Not applicable.
Upper explosion limits: Not applicable.
Vapour pressure: Not applicable.
Relative vapour density: Not applicable.
Relative density: 3.1 – 3.3 g/cm³ at 20 °C
Water solubility: At 20 °C insoluble.
Partition coefficient: n-octanol/water: Not applicable.
Autoignition temperature: Not applicable.
Decomposition temperature: Not applicable.
Viscosity, dynamic: Not applicable.
Explosive properties: Not classified as explosive.
Oxidizing properties: None.

9.2 Other data

Bulk density: 250 – 270 kg/m³

Particle size: 10 -60 µm

10. Stability and Reactivity

10.1 Reactivity

- See Section 10.3

10.2 Chemical stability

- The product is chemically stable under standard ambient conditions (room temperature).

10.3 Possibility of hazardous reactions

- No information available.

10.4 Conditions to avoid

- Not known to date.

10.5 Incompatible materials

- No information available.

10.6 Hazardous decomposition products

- No information available.

11. Toxicological Information

11.1 Information on toxicological effects

Specific target organ toxicity – single exposure: The substance or mixture is not classified as specific target organ toxicant, single exposure.

Specific target organ toxicity – repeated exposure: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Aspiration hazard: Based on available data the classification criteria are not met.

11.2 Further information

- Quantitative data on the toxicity of this product is not available.

Further toxicological data: The results of animal experiments using pigments of this type indicate no toxicologically relevant properties. Since the substance is poorly absorbed, no hazardous properties are to be anticipated. Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ functions. The individual test results were as follows:
Skin tolerance (rabbit): No irritant effect.

Eye irritation test (rabbit): No irritant effect.

Sensitisation test (guinea pig): No sensitising potential.

LD₅₀ (oral, rat): Not determinable.

All animals still alive after 15.000 mg/kg

Subchronic toxicity (rat): No appreciable findings up to 50 000 ppm.

Chronic toxicity (rat): 5% of the product added to the feed for a period of 2.5 years did not show any toxicological changes or carcinogenic effects in animals.

LC₅₀ (inhalational, rat): Male animals between 4.6 and 14.9 mg/l air, female animals: > 14.9 mg/l air

The product did not show any genotoxic effects in the micronucleus test carried out in rats in concentrations of up to 2000 mg/kg (limit test).

12. Ecological Information

12.1 Toxicity

- No information available.

12.2 Persistence and degradability

- No information available.

12.3 Bioaccumulative potential

- No information available.

12.4 Mobility in soil

- No information available.

12.5 Results of PBT and VPvB assessment

- PBT / VPvB assessment not available as chemical safety assessment not required / not conducted.

12.6 Other adverse effects

Additional ecological information: No ecological problems are to be expected when the product is handled and used with due care and attention.

13. Disposal Considerations

Waste treatment methods: Chemicals and packaging must be disposed of in accordance with respective local, regional and national regulations.

14. Transport Information

- Not classified as dangerous in the meaning of transport regulations.

15. Regulatory Information

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

EU regulations

Major Accident Hazard Legislation 96/82/EC: Directive 96/82/EC does not apply.

National legislation

Storage class: 10 - 13

15.2 Chemical Safety Assessment

- For this product a chemical safety assessment was not carried out.

16. Other Information

Training advice: Provide adequate information, instruction and training for operators.

Key or legend to abbreviations and acronyms used in the safety data sheet: Used abbreviations and acronyms can be looked up at www.wikipedia.org .

The information contained herein is accurate to the best of our knowledge from a variety of sources. No liability can be accepted arising out of the use, application or processing of this product. It is the users' responsibility to determine the safe conditions for use of this product.