



Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

Date 15.11.2015

Version 2.7

BLACK MATT MINERAL PIGMENT

1. Identification of the substance/preparation and the company

Trade name: Black matt mineral pigment (26)
 Utilization: Raw material for cosmetic products
 Supplier company: **Elemental SRL**, Piata Cazarmii no.15, 410188-Oradea, jud.Bihor, Romania
 identification: Tel/Fax: +40259-436.755, office@elemental.eu
 Emergency: Tel: +40259-436.755

2. Hazards Identification

- Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008: GHS02



Self-heat. 2 - H252 Self-heating in large quantities; may catch fire.

- Label elements
- Labelling according to Regulation (EC) No 1272/2008
- Hazard pictograms
- Signal word: Warning
- Hazard statements: H252 Self-heating in large quantities; may catch fire.
- Precautionary statements

P235+P410 Keep cool. Protect from sunlight. P280 Wear protective gloves/protective clothing/eye protection/face protection. P413 Store bulk masses greater than 20 kg at temperatures not exceeding 20°C. P407 Maintain air gap between stacks/pallets. P420 Store away from other materials.

- Information concerning particular hazards for human and environment: Prevent formation of dust.
- GHS label elements: H252 Self-heating in large quantities; may catch fire.

- Prevention:

P235+P410 Keep cool. Protect from sunlight.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P413 Store bulk masses greater than 20 kg at temperatures not exceeding 20°C.

P407 Maintain air gap between stacks/pallets.

P420 Store away from other materials.

- Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

3. Composition / Information on ingredients

INCI-name: iron oxides CI 77499
 CAS-number: 1317-61-9
 EINECS-number: 215-277-5

4. First Aid

- General information: Immediately remove any clothing soiled by the product.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.



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- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.

5. Fire-fighting Measures

Suitable extinguishing media: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam

Protective equipment: Wear fully protective suit. Do not smoke. Wear positive pressure self-contained breathing equipment & protective clothing. Respiratory and eye protection required for fire crews when exposed to smoke or fumes.

6. Accidental release measures:

- Personal precautions, protective equipment and emergency procedures

Wear protective clothing.

- Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

- Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to chapter 13.

Pick up mechanically.

7. Handling and Storage

- Handling:

- Precautions for safe handling

Store in cool, dry place in tightly closed receptacles. Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care. Prevent formation of dust. Wear suitable respiratory protective device when decanting larger quantities without extractor facilities.

- Information about fire - and explosion protection:

Protect against electrostatic charges.

- Storage:

- Requirements to be met by storerooms and receptacles: Store only in unopened original receptacles.

- Information about storage in one common storage facility: Not required.

- Further information about storage conditions: T°: <25°C. After opening, product must be rechecked every year

Protect from exposure to the light. Caution when reopening receptacles with broken seal. Open receptacle only under localized extractor facilities. Protect from humidity and water. Finely divided powder may lead to dust cloud formation which may be an explosion hazard. Exposure to temperatures greater than (140°F) (60°C) may cause this product to become unstable and autooxidize generating sufficient heat to cause combustibles, including the product container, to ignite. If required or necessary, the product may be quenched with water to stop the reaction. The oxidized material will be a light brown ferric oxide.

8. Exposure Controls and Personal Protection

- Ingredients with limit values that require monitoring at the workplace:

French : Total Dust: 10 mg/m³/8h - Alveolar Dust: 5 mg/m³/8h

- Additional information:

The lists valid during the making were used as basis.



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- Personal protective equipment
- General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuffs, beverages and feed.
- Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.
- Recommended filter device for short term use: Filter P3
- Protection of hands: Protective gloves
- Material of gloves: Nitrile rubber, NBR
- Eye protection: Safety glasses
- Body protection: Use protective suit.

9. Physical and Chemical Properties

Appearance:	powder
Colour:	black
Odour:	none
Melting point:	> 1000 °C
Solubility:	insoluble in water, insoluble in vegetable oil, insoluble in paraffin oil
Additional information:	Don't heat above 60°C to keep the colour. Can be subject to a slow oxidize reaction when stored at temperature above 60°C.

10. Stability and Reactivity

- Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.
- Dangerous decomposition products:
No dangerous decomposition products known.

11. Toxicological Information

- Information on toxicological effects
- Acute toxicity:
- LD/LC50 values relevant for classification:
Oral, LD50: > 5000 mg/kg (rat)*
- Primary irritant effect:
- on the skin: no irritation effect*
- on the eye: no irritation effect*
- Additional toxicological information:
* according to data published in literature

12. Ecological Information

- Toxicity
- Aquatic toxicity: 1317-61-9 Cl 77499 poison, LC 0/48h : > 1000 mg/l * bacteria, EC 0/24h : > 1000 mg/l *
- Persistence and degradability: No further relevant information available.
- Behaviour in sewage processing plants: The product can be mechanically separated.
- Additional ecological information:
- General notes: according to data published in literature



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13. Disposal Considerations

- Waste treatment methods
- 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. Packaging may be reused or recycled after cleaning.

14. Transport Information

- Land transport ADR/RID (cross-border)
ADR/RID class: 4.2 (S4) Substances liable to spontaneous combustion. Danger code (Kemler): 40
UN-Number: 3190
Packaging group: III
Hazard label: 4.2



UN proper shipping name: 3190 SELF-HEATING SOLID, INORGANIC, N.O.S. (BLACK IRON OXIDE)
Excepted quantities (EQ): E1
Limited quantities (LQ) LQ0
Transport category 3
Tunnel restriction code E
Remarks: Qty maxi : 400 kg

- Maritime transport IMDG:
IMDG Class: 4.2
UN Number: 3190
Label 4.2



Packaging group: III
EMS Number: F-A,S-J
Proper shipping name: SELF-HEATING SOLID, INORGANIC, N.O.S. (BLACK IRON OXIDE)
Remarks: Qty maxi : 400 kg

- Air transport ICAO-TI and IATA-DGR:
ICAO/IATA Class: 4.2
UN/ID Number: 3190
Label 4.2



Packaging group: III
Proper shipping name: SELF-HEATING SOLID, INORGANIC, N.O.S. (BLACK IRON OXIDE)
Goods - Pack. / Qty. max.: 100 /
Passag. - Pack./Qty max.: 25 /
• UN "Model Regulation":
UN 3190 SELF-HEATING SOLID,

15. Additional Regulatory Information



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EU Classification: Not subject to classification according to CLP Regulation (EC) No. 1272/2008.
Not subject to classification according to Directive 67/548/EC or Directive
Assessment of material safety: An assessment has not been executed.

16. Other Information

Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

VCI: Verband der chemischen Industrie, Deutschland (German chemical industry association)

CAS: Chemical Abstracts Service (division of the American Chemical Society)

Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.