

PRODUCT SAFETY INFORMATION SHEET (ACCORDING TO 1907/2006/EC)

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

- 1. Product name:** art.nr.0017 **F6316**
Iron oxide black : PBk11-77499
- REACH registration number:** 01-2119457646-28-0035
- 2. Use of the substance/preparation:** Colorants (pigment), inorganic
Uses advised against: Do not use for household purpose
- 3. Supplier/Manufacturer:**
Powertex International
Strombeeksesteenweg 205
1800 Vilvoorde
Belgique +32 23106090
- www.powertex.be**
info@powertex.be
- 4. Emergency telephone number:** B.I.G. Geel : 0032 14 58 45 45

2. HAZARDS IDENTIFICATION

- 1. Classification of substance/mixture:**
According to regulation EC N°1272/2008: Not a hazardous substance or mixture.
According to directive 67/548/EEC: Not a hazardous substance or mixture.
According to directive 1999/45/EC: Not a hazardous substance or mixture.
- 2. Label elements according to regulation EC n°1272/2008 (CLP):**

Signal word:
Pictogram:

Hazardous components which must be listed on the label:

None.

Hazard statements:

Precautionary statements:

Additional labeling:

None.

3. Other hazards:

No further relevant information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Product definition (REACH): Mono-constituent substance

Chemical characterization:

Component	CAS n°	EINECS n°	Conc. %	GHS class
Fe3O4	1317-61-9	215-277-5	>90%	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

4. FIRST AID MEASURES

1. Description of first aid measures:

- General advice:** In case of accident of feeling unwell, seek medical advice immediately and show PSIS.
- Inhalation:** Move exposed person to fresh air. Get medical attention if irritation/discomfort occurs.
- Ingestion:** Rinse mouth thoroughly with water and drink plenty of water. Get medical attention if irritation/discomfort occurs.
- Skin contact:** Wash skin thoroughly with water and soap. Get medical attention if irritation/discomfort occurs.
- Eye contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Continue to rinse for at least 10 minutes. Get medical attention if irritation/discomfort occurs.

2. Most important symptoms and effects, both acute and delayed:

No further relevant information available.

3. Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

5. FIRE-FIGHTING MEASURES

- 1. Extinguishing media:** In case of fire, use water spray, foam, powder or CO₂, according the surrounding area.
- 2. Special hazards arising from the substance or mixture:**
No further relevant information available.
- 3. Advice for firefighters:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

- 1. Personal precautions, protective equipment and emergency procedures: (personnel protection see section 8)**
Ensure adequate ventilation. Avoid formation of dust. Wear protective equipment and clothing.
- 2. Environmental precautions:**
Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- 3. Methods and materials for containment and cleaning up:**
Vacuum or sweep up material and place in a designated, labeled waste container.
Dispose of via a licensed waste disposal contractor.

7. HANDLING AND STORAGE

1. Precautions for safe handling: (personnel protection see section 8)

Advice on safe handling:

No special measures required. Avoid handling which leads to dust formation.

Advice on protection against fire and explosion:

Avoid dust formation. No special measures required.

2. Conditions for safe storage, including any incompatibilities:

Requirements for storage areas and containers:

No special measures required. Store in tightly closed container in a dry, cool and well-ventilated place.

Advice on common storage:

No restrictions on storage with other products.

Further information about storage conditions:

Store in dry conditions.

3. Specific end uses:

No further relevant information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

1. Control parameters:

Ingredients with limit values that require monitoring at workplace: Not available.

Component	CAS n°	Value type	Control parameter	Remarks
Fe3O4	1317-61-9	4 mg/m ³	respirable dust	
Fe3O4	1309-37-1	10 mg/m ³	inhalable dust	

2. Exposure controls:

Personal protection equipment:

Respiratory protection: Dust-protection mask P2 in case of insufficient ventilation.

Hand protection: Protective gloves.

Eye protection: Safety glasses with side-shields.

Skin/ body protection: Wear appropriate protective clothing to prevent repeated or prolonged skin contact.

Hygiene measures: Good personal hygiene practices are always advisable, when working with chemicals.

Environmental exposure controls:

No special environmental precautions required.

9. PHYSICAL AND CHEMICAL PROPERTIES

1. Information on basic physical properties:

General appearance

Physical state: Solid. [powders]

Colour: Black

Odour: Faint odour

Melting point: >1000°C

Boiling point: -

Therm. decomposition:-

pH: 5 - 8 [Conc. (% w/w): 5%]

Density : -

Relative density:

Bulk density:

Solubility: Insoluble in the following materials: cold water

Flash point: -

Flammability: -

Self-igniting: Product is not self-igniting

Ignition temperature: -

Explosion risk: No explosion hazard.

Explosion level:

Lower: -

Upper: -

2. Other information:

No further relevant information available.

10. STABILITY AND REACTIVITY

- 1. Reactivity:** Stable under normal storage conditions.
2. Chemical stability: No decomposition if stored and applied under normal conditions.
3. Possibility of hazardous reactions: No dangerous reactions known.
4. Conditions to avoid: None under normal processing.
5. Incompatible materials: No data available.
6. Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

- Acute oral toxicity:** Fe₃O₄ - LD₅₀(oral,rat): >2000 mg/kg
Acute inhalation toxicity: - - - -
Acute dermal toxicity: No data available.
Skin corrosion/irritation: According classification criteria of EU, not considered as irritating.
Serious eye damage/irritation: According classification criteria of EU, not considered as irritating.
Respiratory or skin sensitization: No data available.
Further information: No further relevant information available.

12. ECOLOGICAL INFORMATION

1. Toxicity:

Aquatic toxicity: LC₅₀, 96u (Fish) >10000 mg/l , EC₅₀, 48u (Daphnia) >10000 mg/l

- 2. Persistence and degradability:** No data available
3. Bioaccumulative potential: No data available
4. Mobility in soil: No data available
5. Results of PTB and vPvB assessment:
PTB: No data available
vPvB: No data available

13. DISPOSAL CONSIDERATIONS

1. Waste treatment methods:

- Product:** Dispose in accordance with all applicable local and national regulations.
Contaminated packaging: Dispose in accordance with all applicable local and national regulations.

14. TRANSPORT INFORMATION

1. UN number:

ADR: Not dangerous goods.
IMDG: Not dangerous goods.
IATA: Not dangerous goods.

2. UN proper shipping name:

ADR: Not dangerous goods.
IMDG: Not dangerous goods.
IATA: Not dangerous goods.

3. Transport hazards class:

ADR: Not dangerous goods.
IMDG: Not dangerous goods.
IATA: Not dangerous goods.

4. Packing group:

ADR: Not dangerous goods.
IMDG: Not dangerous goods.
IATA: Not dangerous goods.

5. Environmental hazards:

ADR: Not dangerous goods.
IMDG: Not dangerous goods.
IATA: Not dangerous goods.

6. Special precautions for user:

Not dangerous goods.

7. Transport in bulk according to Annex II of MARPOL73/78 and IBC Code:

Not applicable.

Note: ADR: European Agreement International Carriage of Dangerous Goods by Road
IMDG: International Marine Code for Dangerous Goods
IATA: International Air Transport Association

15. REGULATORY INFORMATION

1. Safety, health and environmental regulations/legislation specific for the substance or mixture:

Datasheet according to Regulation EC n° 1907/2006 (RACH)
Classification according EC Regulation 1272/2008 (CLP)
Labeling (EU-GHS)

2. Chemical Safety Assessment: Not applicable.

16. OTHER INFORMATION

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The data given here is based on current knowledge and experience. The purpose of this Product Safety Information Sheet is to describe the products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties or performance and shall not establish a legally valid contract.