



Safety data sheet

0101 Colortricx Silver

Page: 1/10

... Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 16.11.2011

Version: 2.0

Product: **0101Colortricx Silver**

(ID no. 30322500/SDS_GEN_EU/EN)

Date of print 17.11.2011

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

Product identifier

0101 Colortricx Silver

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

Relevant identified uses: Colorants for industrial use

Details of the supplier of the safety data sheet

Powertex International
Strombeeksesteenweg 205
B 1800 Vilvoorde /Koningslo

Tel:+3223106090

Fax +3232106699

mail:powertex@me.com

Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

2. Hazards Identification

Label elements

According to Regulation (EC) No 1272/2008 [CLP]

Globally Harmonized System, EU (GHS)

The product does not require a hazard warning label in accordance with GHS criteria.

According to Directive 67/548/EEC or 1999/45/EC

EEC Directives

The product does not require a hazard warning label in accordance with EC Directives.

Classification of the substance or mixture

According to Regulation (EC) No 1272/2008 [CLP]

No need for classification according to GHS criteria for this product.

According to Directive 67/548/EEC or 1999/45/EC

Possible Hazards:

No particular hazards known.

Other hazards

According to Regulation (EC) No 1272/2008 [CLP]

Other Hazards (GHS):

No specific dangers known, if the regulations/notes for storage and handling are considered.

3. Composition/Information on Ingredients

Mixtures

Chemical nature

Mica group minerals

metal oxides

4. First-Aid Measures

Description of first aid measures

Remove contaminated clothing.

If inhaled:

If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

On skin contact:

Wash thoroughly with soap and water.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion:

Rinse mouth and then drink plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms: No significant reaction of the human body to the product known.

Indication of any immediate medical attention and special treatment needed

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures**Extinguishing media**

Suitable extinguishing media:
dry powder, foam

Unsuitable extinguishing media for safety reasons:
carbon dioxide

Special hazards arising from the substance or mixture

No particular hazards known.

Advice for fire-fighters

Further information:

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental Release Measures**Personal precautions, protective equipment and emergency procedures**

Avoid dust formation.

Environmental precautions

Do not empty into drains.

Methods and material for containment and cleaning up

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Pick up with suitable appliance and dispose of.

Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

7. Handling and Storage**Precautions for safe handling**

Breathing must be protected when large quantities are decanted without local exhaust ventilation.
Avoid contact with the skin, eyes and clothing.

Protection against fire and explosion:

No special precautions necessary.

Conditions for safe storage, including any incompatibilities

Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 16.11.2011

Version: 2.0

Product: **0101Colortrixx Silver**

(ID no. 30322500/SDS_GEN_EU/EN)

Date of print 17.11.2011

Further information on storage conditions: No special precautions necessary.

Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

8. Exposure Controls/Personal Protection

Control parameters

Components with workplace control parameters

12001-26-2: Mica-group minerals

1317-80-2: Rutile (TiO₂)

7782-42-5: graphite

Exposure controls

Personal protective equipment

Respiratory protection:

Suitable respiratory protection for lower concentrations or short-term effect: Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

Hand protection:

Chemical resistant protective gloves (EN 374)

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374):

e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

General safety and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Due to the colouring properties of the product closed work clothes should be used, to avoid stains during manipulation. Hands and/or face should be washed before breaks and at the end of the shift.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Form: powder
Colour: silver colours
Odour: odourless
Odour threshold: not determined

Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 16.11.2011

Version: 2.0

Product: **0101 Colortricx Silver**

(ID no. 30322500/SDS_GEN_EU/EN)

Date of print 17.11.2011

pH value:	7.0 - 11.0 (water, 4 %(m))
Melting temperature:	> 1,000 °C The substance / product decomposes.
Boiling point:	not applicable
Flash point:	not applicable
Evaporation rate:	The product is a non-volatile solid.
Flammability:	does not ignite
Lower explosion limit:	not applicable
Upper explosion limit:	not applicable
Ignition temperature:	not applicable
Vapour pressure:	not applicable
Density:	3.1 g/cm ³ (approx. 20 °C)
Relative density:	3.1 (approx. 20 °C)
Relative vapour density (air):	not applicable
Solubility in water:	insoluble
Solubility (quantitative) :	insoluble
Partitioning coefficient n-octanol/water (log Kow):	not applicable
Self ignition:	not self-igniting
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Viscosity, dynamic:	not applicable
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating

Other information

Self heating ability: It is not a substance capable of spontaneous heating.

Bulk density: 176 kg/m³
Hygroscopy: Non-hygroscopic
Grain size distribution: No data available.

10. Stability and Reactivity

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Chemical stability

Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 16.11.2011

Version: 2.0

Product: **0101 Colortricx Silver**

(ID no. 30322500/SDS_GEN_EU/EN)

Date of print 17.11.2011

The product is chemically stable.

Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.

Conditions to avoid

Avoid dust formation. Avoid deposition of dust. See MSDS section 7 - Handling and storage.

Incompatible materials

Substances to avoid:

No substances known that should be avoided.

Hazardous decomposition products

Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

Information on toxicological effects

Acute toxicity

Experimental/calculated data:

LD50 rat (oral): > 5,000 mg/kg

The product has not been tested. The statement has been derived from the properties of the individual components.

(by inhalation):not determined

(dermal):not determined

Irritation

Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant

The product has not been tested. The statement has been derived from the properties of the individual components.

Serious eye damage/irritation rabbit: non-irritant

The product has not been tested. The statement has been derived from the properties of the individual components.

Respiratory/Skin sensitization

Assessment of sensitization:

The chemical structure does not suggest a sensitizing effect. The product has not been tested. The statement has been derived from the properties of the individual components.

Germ cell mutagenicity

Assessment of mutagenicity:

Safety data sheet according to Regulation (EC) No. 1907/2006
Date / Revised: 16.11.2011
Product: **0101 Colortrix Silver**

Version: 2.0

(ID no. 30322500/SDS_GEN_EU/EN)

Date of print 17.11.2011

No data was available concerning mutagenic activity. The chemical structure does not suggest such an effect. The product has not been tested. The statement has been derived from the properties of the individual components.

Carcinogenicity

Assessment of carcinogenicity:

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Rutile (TiO₂)

Assessment of carcinogenicity:

IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). In long-term studies in rats in which the substance was given by inhalation, a carcinogenic effect was observed. Tumors were only observed in rats after chronic inhalative exposure to high concentrations which caused sustained lung inflammation. In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed. Dermal exposure is not expected to be carcinogenic.

Reproductive toxicity

Assessment of reproduction toxicity:

No reliable data are available concerning reproduction toxicity.

Developmental toxicity

Assessment of teratogenicity:

No reliable data was available concerning teratogenicity.

Specific target organ toxicity (single exposure)

Remarks: No data available.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

Prolonged or repeated exposure may cause pulmonary problems. The product has not been tested. The statement has been derived from the properties of the individual components.

Aspiration hazard

not applicable

12. Ecological Information

Toxicity

Assessment of aquatic toxicity:

At the present state of knowledge, no negative ecological effects are expected.

The product has not been tested. The statement has been derived from the properties of the individual components.

Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 16.11.2011

Version: 2.0

Product: **0101 Colortricx Silver**

(ID no. 30322500/SDS_GEN_EU/EN)

Date of print 17.11.2011

Toxicity to fish:
LC50 (96 h), Fish
not determined

Aquatic invertebrates:
LC50 (48 h), daphnia
not determined

Aquatic plants:
EC50 (72 h), algae
not determined

Microorganisms/Effect on activated sludge:
EC50 (0.5 h), bacteria
not determined

Chronic toxicity to fish:
No data available.

Chronic toxicity to aquatic invertebrates:
No data available.

Assessment of terrestrial toxicity:
No data available concerning terrestrial toxicity.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):
The colourant is insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plant

Bioaccumulative potential

Assessment bioaccumulation potential:
The product will not be readily bioavailable due to its consistency and insolubility in water.
The product has not been tested. The statement has been derived from the properties of the individual components.

Mobility in soil (and other compartments if available)

Assessment transport between environmental compartments:
No data available.

Results of PBT and vPvB assessment

Not applicable for inorganic substances.

Additional information

Adsorbable organically-bound halogen (AOX):
This product contains no organically-bound halogen.

Add. remarks environm. fate & pathway:
Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 16.11.2011

Version: 2.0

Product: **0101 Colortricx Silver**

(ID no. 30322500/SDS_GEN_EU/EN)

Date of print 17.11.2011

Other ecotoxicological advice:

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. The product has not been tested. The statement has been derived from the properties of the individual components.

13. Disposal Considerations

Waste treatment methods

Must be disposed of or incinerated in accordance with local regulations.

Contaminated packaging:

Uncontaminated packaging can be re-used.

Packs that cannot be cleaned should be disposed of in the same manner as the contents.

14. Transport Information

Land transport

ADR

Not classified as a dangerous good under transport regulations

RID

Not classified as a dangerous good under transport regulations

Inland waterway transport

ADN

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

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

Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 16.11.2011

Version: 2.0

Product: **0101 Colortrix Silver**

(ID no. 30322500/SDS_GEN_EU/EN)

Date of print 17.11.2011

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Chemical Safety Assessment

| Chemical Safety Assessment not yet performed due to registration timelines

16. Other Information

Due to the merger of Engelhard Corp. and BASF Group all Material Safety Data Sheets have been reassessed on the basis of consolidated information. This may have resulted in changes of the Material Safety Data Sheets. In case you have questions concerning such changes please contact us under the address mentioned in Section I.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

Vertical lines in the left hand margin indicate an amendment from the previous version.