



# Safety data sheet

## 0105 Colortricx Copper

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

Date / Revised: 28.02.2011

Version: 2.1

Product: **0105 Colortricx Copper**

(ID no. 30322417/SDS\_GEN\_EU/EN)

Date of print 17.07.2013

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

#### Product identifier

#### 0105 Colortricx Copper

#### 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

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### 2. Hazards Identification

#### Label elements

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

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

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

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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.

Assessment PBT / vPvB:

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria..

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**3. Composition/Information on Ingredients****Mixtures**Chemical nature

Mica group minerals

metal oxides

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**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.

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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.

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**5. Fire-Fighting Measures****Extinguishing media**Suitable extinguishing media:  
dry powder, foamUnsuitable 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.

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**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.

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**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:

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No special precautions necessary.

**Conditions for safe storage, including any incompatibilities**

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.

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## 8. Exposure Controls/Personal Protection

**Control parameters**Components with workplace control parameters

12001-26-2: Mica-group minerals

1309-37-1: diiron trioxide

**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.

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## 9. Physical and Chemical Properties

**Information on basic physical and chemical properties**

Form: powder  
Colour: copper colour

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Odour:	odourless
pH value:	6.0 - 11.0 (water, 4 %(m))
Melting point:	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:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Upper explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Ignition temperature:	not applicable
Vapour pressure:	not applicable
Density:	3.19 g/cm <sup>3</sup> (approx. 20 °C)
Relative density:	3.19 (approx. 20 °C)
Relative vapour density (air):	not applicable
Solubility in water:	insoluble
Solubility (quantitative) :	The product has not been tested.
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**

Bulk density:	167 kg/m <sup>3</sup>
Hygroscopy:	Non-hygroscopic

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## 10. Stability and Reactivity

### Reactivity

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

### Chemical stability

The product is chemically stable.

### Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.

### Conditions to avoid

No special precautions other than good housekeeping of chemicals.

### 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.

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## 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.

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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:

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:

No data available concerning carcinogenic effects.

Reproductive toxicity

## Assessment of reproduction toxicity:

The data available for an assessment of the effect of the substance on reproduction are not sufficient for a proper evaluation.

Developmental toxicity

## Assessment of teratogenicity:

The data available for an assessment of the effect of the substance on developmental toxicity are not sufficient for a proper evaluation.

Specific target organ toxicity (single exposure)

## Assessment of STOT single:

The available information is not sufficient for evaluation.

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

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## 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.

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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 (H<sub>2</sub>O):  
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**

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria..

### **Additional information**

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



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Add. remarks environm. fate &amp; pathway:

Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

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.

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## 13. Disposal Considerations

### Waste treatment methods

Contaminated packaging:

Uncontaminated packaging can be re-used.

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

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## 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

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## 15. Regulatory Information

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

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## Chemical Safety Assessment

Chemical Safety Assessment not yet performed due to registration timelines

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## 16. Other Information

Due to the merger of Engelhard Corp. and BASFGroup 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.

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

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.