

Safety data sheet

according to 1907/2006/EC, Article 31

Revision 03.05.2012

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

- . **Product identifier**
- . **Trade name** Efcolor
- . **Article number:** 93 700 .. / 93 701 .. / 93 702 .. / 93 703 ..
- . **Relevant identified uses of the substance or mixture and uses advised against**
- . **Application of the substance / the preparation** Powder coating material
- . **Details of the supplier of the safety data sheet**
- . **Manufacturer/Supplier:**
 EFco Produkte GmbH
 boschstraße 4
 D - 75446 Wiernsheim
 Tel.: +49 (0) 7044 5016 Fax: +49 (0) 7044 6047
 email: efco-wiernsheim@t-online.de
- . **Informing department:**
 Product safety department
- . **Emergency telephone number:**

* 2 Hazards identification

- . **Classification of the substance or mixture**
- . **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Void
- . **Information concerning particular hazards for human and environment:**
 The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- . **Classification system:**
 The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.
- . **Label elements**
- . **Labelling according to EU guidelines:**
 The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version.
 Observe the normal safety regulations when handling chemicals
- . **Special labelling of certain preparations:**
 Safety data sheet available for professional user on request.
- . **Other hazards**
- . **Results of PBT and vPvB assessment**
- . **PBT:** Not applicable.
- . **vPvB:** Not applicable.

* 3 Composition/information on ingredients

- . **Chemical characterization: Mixtures**
- . **Description:** Preparation based on epoxy/polyester
- . **Dangerous components:** Void
- . **Additional information** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- . **Description of first aid measures**
- . **General information** No special measures required.
- . **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- . **After skin contact**
 Instantly wash with water and soap and rinse thoroughly.
 If skin irritation continues, consult a doctor.
- . **After eye contact** Rinse opened eye for several minutes under running water.
- . **After swallowing** Seek immediate medical advice.
- . **Information for doctor**
- . **Most important symptoms and effects, both acute and delayed**
 No further relevant information available.

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- . **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

* 5 Firefighting measures

- . **Extinguishing media**
- . **Suitable extinguishing agents**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- . **Special hazards arising from the substance or mixture**
No further relevant information available.
- . **Advice for firefighters**
- . **Protective equipment:** Put on breathing apparatus.

6 Accidental release measures

- . **Personal precautions, protective equipment and emergency procedures**
Avoid causing dust.
Keep away from ignition sources
Ensure adequate ventilation
- . **Environmental precautions:**
Do not allow product to reach sewage system or water bodies.
- . **Methods and material for containment and cleaning up:**
Collect mechanically.
Dispose of the material collected according to regulations.
- . **Reference to other sections** See Section 13 for information on disposal.

* 7 Handling and storage

- . **Handling**
- . **Precautions for safe handling**
Thorough dedusting.
Store in cool, dry place in tightly closed containers.
Prevent formation of dust.
Take note of emission threshold.
- . **Information about protection against explosions and fires:**
A good ventilation and suction at the processing machines and at places, where dust can accumulate is very important.
Avoid dust and aerosol formation.
When processing the product, dust can form an explosive mixture with air.
- . **Conditions for safe storage, including any incompatibilities**
- . **Storage**
- . **Requirements to be met by storerooms and containers:** No special requirements.
- . **Information about storage in one common storage facility:** Not required.
- . **Further information about storage conditions:** None.
- . **Specific end use(s)** No further relevant information available.

* 8 Exposure controls/personal protection

- . **Additional information about design of technical systems:** No further data; see item 7.
- . **Control parameters**

- . **Components with critical values that require monitoring at the workplace:**

General limit for dust:

MAK (AUSTRIA)	Short-term value: 30 (E) / 12 (A) mg/m ³ Long-term value: 15 (E) / 6 (A) mg/m ³
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- . **Additional information:**
The lists that were valid during the compilation were used as basis.

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- . **Exposure controls**
- . **Personal protective equipment**
- . **Breathing equipment:**



In case of concentration of dust above the threshold value, use breathing equipment

- . **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- . **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- . **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- . **Eye protection:**



In case of formation of dust use safety glasses

- . **Body protection:** Protective work clothing.

* 9 Physical and chemical properties

- . **Information on basic physical and chemical properties**
- . **General Information**
- . **Appearance:**
 - Form:** Dustlike
 - Colour:** According to product specification
 - Smell:** Characteristic
- . **Change in condition**
 - Melting point/Melting range:** >50°C
 - Boiling point/Boiling range:** Not determined
- . **Flash point:** Not applicable
- . **Self-inflammability:** Product is not selfigniting.
- . **Danger of explosion:** Product is not explosive. However, formation of explosive air/dust mixtures is possible
- . **Critical values for explosion:**
 - Lower:** 30 - 80 g/m³ (ISO 8130-4)
- . **Density at 20°C** 1.20 - 1.70 g/cm³
- . **Solubility in / Miscibility with Water:** Insoluble
- . **Solvent content:**
 - Organic solvents:** 0.0 %
 - Solids content:** 100.0 %
- . **Other information** No further relevant information available.

10 Stability and reactivity

- . **Reactivity**
- . **Chemical stability**
- . **Conditions to be avoided:** No decomposition if used according to specifications.

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- . **Possibility of hazardous reactions** No dangerous reactions known
- . **Conditions to avoid** No further relevant information available.
- . **Incompatible materials:** No further relevant information available.
- . **Hazardous decomposition products:** In case of fire: CO₂, CO, NO_x

* 11 Toxicological information

- . **Information on toxicological effects**
- . **Acute toxicity:**
- . **Primary irritant effect:**
- . **on the skin:** No irritant effect.
- . **on the eye:** No irritant effect.
- . **Sensitization:** No sensitizing effect known.
- . **Additional toxicological information:**
The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version.
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information

- . **Toxicity**
- . **Acquatic toxicity:** No further relevant information available.
- . **Persistence and degradability** No further relevant information available.
- . **Behaviour in environmental systems:**
- . **Bioaccumulative potential** No further relevant information available.
- . **Mobility in soil** No further relevant information available.
- . **Additional ecological information:**
- . **General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- . **Results of PBT and vPvB assessment**
- . **PBT:** Not applicable.
- . **vPvB:** Not applicable.
- . **Other adverse effects** No further relevant information available.

* 13 Disposal considerations

- . **Waste treatment methods**
- . **Recommendation**



Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- . **European waste catalogue**

08 01 12	waste paint and varnish other than those mentioned in 08 01 11
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- . **Uncleaned packagings:**
- . **Recommendation:** Disposal must be made according to official regulations.

* 14 Transport information

- . **UN-Number**
- . **ADR, ADN, IMDG, IATA** Void
- . **UN proper shipping name**
- . **ADR, ADN, IMDG, IATA** Void
- . **Transport hazard class(es)**
- . **ADR, IMDG, IATA**
- . **Class** Void
- . **Label** -
- . **ADN/R Class:** Void
- . **Packing group**
- . **ADR, IMDG, IATA** Void

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- . **Environmental hazards:**
- . **Marine pollutant:** No
- . **Special precautions for user** Not applicable.
- . **Kemler Number:** -
- . **EMS Number:** -
- . **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- . **Transport/Additional information:**
- . **Number/Letter:**

* 15 Regulatory information

- . **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- . **National regulations**
- . **Water hazard class:**
Water hazard class 1 (Self-assessment): slightly hazardous for water.
- . **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

* 16 Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

If the product mentioned in this safety data sheet is mixed, blended or processed with other materials or undergoes processing, the data mentioned on this safety data sheet cannot be transposed as such to the newly manufactured material, as long as nothing else explicitly results from this.

- . **Department issuing data specification sheet:** Product safety department
- . *** Data compared to the previous version altered.**

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