SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1  Product identifier

TroCraft Eco

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

1.2.1  Relevant uses

Product or industrial design, interior finishing work, model making, toys.

1.2.2  Uses advised against

None known.

1.3  Details of the supplier of the safety data sheet

Company  
Trotec Laser GmbH  
Linzer Str. 156  
4600 Wels / AUSTRIA  
Phone +43 (0)72 42  239-7777  
Fax +43 (0) 72 42  239-7380  
Homepage www.troteclaser.com  
E-mail trotec@troteclaser.com

Address enquiries to  
Technical information  
trotec@troteclaser.com  
Safety Data Sheet  
sdb@chemiebuero.de

1.4  Emergency telephone number

Company  
+43 (0)72 42  239-7777

SECTION 2: Hazards identification

2.1  Classification of the substance or mixture [REGULATION (EC) No 1272/2008]

not determined

2.2  Label elements

This product is an article and therefore it does not require labelling according to EC directives [REACH/CLP].

2.3  Other hazards

Human health dangers  
May cause irritation of respiratory organs (powder or dust).  
Risk of mechanical irritation by dust particles (eyes, skin).

Other hazards  
The material absorbs liquid chemicals on contact and can transfer the properties of the absorbed substances.

SECTION 3: Composition / Information on ingredients

Product-type:  
The product is an article.

Comment on component parts  
No dangerous components.  
The product consists of the following components: cellulose, hemicellulose, lignin.  
Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
SECTION 4: First aid measures

4.1 Description of first aid measures

General information
In the event of symptoms seek medical treatment.

Inhalation
No special measures necessary.
In the event of symptoms seek medical treatment.

Skin contact
No special measures necessary.
Consult a doctor if skin irritation persists.

Eye contact
No special measures necessary.
If eye irritation persists: Get medical advice/attention.

Ingestion
not applicable

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media
Water.
Foam.
Dry powder.

Extinguishing media that must not be used
Full water jet.

5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.
Carbon monoxide (CO)
Carbon dioxide (CO2)

5.3 Advice for firefighters

Use self-contained breathing apparatus.
Do not inhale explosion and/or combustion gases.
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable protective equipment. For personal protection see SECTION 8.
Avoid dust formation.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up mechanically.
Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13
SECTION 7: Handling and storage

7.1 Precautions for safe handling

During mechanical processing vacuuming at processing machines is necessary.
Avoid the formation and deposition of dust.
Dust deposits that cannot be avoided must be taken up regularly.
Avoid contact with eyes and skin. Use personal protective equipment.

The product is combustible.
Dust can form an explosive mixture with air.
Wash hands before breaks and after work.
Do not eat, drink, smoke or take drugs at work.

7.2 Conditions for safe storage, including any incompatibilities

Do not store with combustible materials.
Protect from heat/overheating and from sun.
Keep away from water or from damp surroundings.
Store in a dry place.

7.3 Specific end use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (GB)
not applicable

8.2 Exposure controls

Additional advice on system design
Ensure adequate ventilation on workstation.
Pay attention to dust limit value (ACGHI-2011: 10 mg/m³ particle inhalable; 3 mg/m³ particle respirable).
Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA’s list of hazardous substances.

Eye protection
In the event of dust formation:
Tightly fitting goggles. (EN 166:2001)

Hand protection
Gloves (EN 388)
The details concerned are recommendations. Please contact the glove supplier for further information.

Skin protection
Protective clothing.

Other
Avoid contact with eyes and skin.
Do not inhale dust.

Respiratory protection
Respiratory protection in the case of dust formation.
Short term: filter apparatus, combination filter A-P2. (DIN EN 14387)

Thermal hazards
not applicable

Delimitation and monitoring of the environmental exposition
Comply with applicable environmental regulations limiting discharge to air, water and soil.
SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Boards</td>
</tr>
<tr>
<td></td>
<td>solid</td>
</tr>
<tr>
<td>Color</td>
<td>brown</td>
</tr>
<tr>
<td>Odor</td>
<td>paper</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No information available.</td>
</tr>
<tr>
<td>pH-value</td>
<td>6.5 - 7.5 (Suspension in water)</td>
</tr>
<tr>
<td>pH-value [1%]</td>
<td>No information available.</td>
</tr>
<tr>
<td>Boiling point [°C]</td>
<td>not applicable</td>
</tr>
<tr>
<td>Flash point [°C]</td>
<td>not applicable</td>
</tr>
<tr>
<td>Flammability (solid, gas) [°C]</td>
<td>No information available.</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>No information available.</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>No information available.</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>no</td>
</tr>
<tr>
<td>Vapour pressure/gas pressure [kPa]</td>
<td>not applicable</td>
</tr>
<tr>
<td>Density [g/ml]</td>
<td>1.2 - 1.3</td>
</tr>
<tr>
<td>Bulk density [kg/m³]</td>
<td>not applicable</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>swells</td>
</tr>
<tr>
<td>Partition coefficient [n-octanol/water]</td>
<td>not applicable</td>
</tr>
<tr>
<td>Viscosity</td>
<td>not applicable</td>
</tr>
<tr>
<td>Relative vapour density determined in air</td>
<td>not applicable</td>
</tr>
<tr>
<td>Evaporation speed</td>
<td>not applicable</td>
</tr>
<tr>
<td>Melting point ['°C]</td>
<td>not applicable</td>
</tr>
<tr>
<td>Autoignition temperature ['°C]</td>
<td>No information available.</td>
</tr>
<tr>
<td>Decomposition temperature ['°C]</td>
<td>&gt; 180</td>
</tr>
</tbody>
</table>

9.2 Other information

- Flammability: B2 (building material class DIN 4102)
- Flammability: F3-F4 (directive CEA)

SECTION 10: Stability and reactivity

10.1 Reactivity

- No dangerous reactions known if used as directed.

10.2 Chemical stability

- Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

- No hazardous reactions known.

10.4 Conditions to avoid

- Sensitive to moisture.
- Keep away from open flames, hot surfaces and sources of ignition.

10.5 Incompatible materials

- No information available.
10.6 Hazardous decomposition products

No dangerous reactions known if used as directed.
In the event of fire: See SECTION 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

- Serious eye damage/irritation
  Based on the available information, the classification criteria are not fulfilled.
- Skin corrosion/irritation
  Based on the available information, the classification criteria are not fulfilled.
- Respiratory or skin sensitisation
  Based on the available information, the classification criteria are not fulfilled.
- Specific target organ toxicity — single exposure
  Based on the available information, the classification criteria are not fulfilled.
- Specific target organ toxicity — repeated exposure
  Based on the available information, the classification criteria are not fulfilled.
- Mutagenicity
  Based on the available information, the classification criteria are not fulfilled.
- Reproduction toxicity
  Based on the available information, the classification criteria are not fulfilled.
- Carcinogenicity
  Based on the available information, the classification criteria are not fulfilled.
- Aspiration hazard
  Based on the available information, the classification criteria are not fulfilled.
- General remarks
  Risk of mechanical irritation. Sanding the material produces a fine dust that can trigger respiratory tract irritation and skin allergies in the event of inadequate extraction.
Toxicological data of complete product are not available.

SECTION 12: Ecological information

12.1 Toxicity

12.2 Persistence and degradability

- Behaviour in environment compartments
  No information available.
- Behaviour in sewage plant
  Can be separated out mechanically in purification plants.
- Biological degradability
  Biodegradable.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

Ecotoxicological data are not available.
SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material cannot be determined a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

<table>
<thead>
<tr>
<th>Product</th>
<th>Disposal in an incineration plant in accordance with the regulations of the local authorities.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waste no. (recommended)</td>
<td>191201</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Contaminated packaging</th>
<th>Contaminated packing should be disposed of as product waste. Uncontaminated packaging may be taken for recycling.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waste no. (recommended)</td>
<td>150102 150101</td>
</tr>
</tbody>
</table>

SECTION 14: Transport information

14.1 UN number

<table>
<thead>
<tr>
<th>Transport by land according to ADR/RID</th>
<th>not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inland navigation (ADN)</td>
<td>not applicable</td>
</tr>
<tr>
<td>Marine transport in accordance with IMDG</td>
<td>not applicable</td>
</tr>
<tr>
<td>Air transport in accordance with IATA</td>
<td>not applicable</td>
</tr>
</tbody>
</table>

14.2 UN proper shipping name

<table>
<thead>
<tr>
<th>Transport by land according to ADR/RID</th>
<th>NO DANGEROUS GOODS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inland navigation (ADN)</td>
<td>NO DANGEROUS GOODS</td>
</tr>
<tr>
<td>Marine transport in accordance with IMDG</td>
<td>NOT CLASSIFIED AS &quot;DANGEROUS GOODS&quot;</td>
</tr>
<tr>
<td>Air transport in accordance with IATA</td>
<td>NOT CLASSIFIED AS &quot;DANGEROUS GOODS&quot;</td>
</tr>
</tbody>
</table>

14.3 Transport hazard class(es)

<table>
<thead>
<tr>
<th>Transport by land according to ADR/RID</th>
<th>not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inland navigation (ADN)</td>
<td>not applicable</td>
</tr>
<tr>
<td>Marine transport in accordance with IMDG</td>
<td>not applicable</td>
</tr>
<tr>
<td>Air transport in accordance with IATA</td>
<td>not applicable</td>
</tr>
</tbody>
</table>
### 14.4 Packing group

<table>
<thead>
<tr>
<th>Packing group</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport by land according to ADR/RID</td>
<td></td>
</tr>
<tr>
<td>Inland navigation (ADN)</td>
<td></td>
</tr>
<tr>
<td>Marine transport in accordance with IMDG</td>
<td></td>
</tr>
<tr>
<td>Air transport in accordance with IATA</td>
<td></td>
</tr>
</tbody>
</table>

### 14.5 Environmental hazards

<table>
<thead>
<tr>
<th>Environmental hazards</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport by land according to ADR/RID</td>
<td>No</td>
</tr>
<tr>
<td>Inland navigation (ADN)</td>
<td>No</td>
</tr>
<tr>
<td>Marine transport in accordance with IMDG</td>
<td>No</td>
</tr>
<tr>
<td>Air transport in accordance with IATA</td>
<td>No</td>
</tr>
</tbody>
</table>

### 14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

### SECTION 15: Regulatory information

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

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>- Observe employment restrictions for people</td>
<td>None</td>
</tr>
<tr>
<td>- VOC (2010/75/CE)</td>
<td>0 %</td>
</tr>
</tbody>
</table>

#### 15.2 Chemical safety assessment

Not applicable
### 16.1 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
ATE = acute toxicity estimate  
CAS = Chemical Abstracts Service  
CLP = Classification, Labelling and Packaging  
DMEL = Derived Minimum Effect Level  
DNEL = Derived No Effect Level  
EC50 = Median effective concentration  
ECB = European Chemicals Bureau  
EEC = European Economic Community  
EINECS = European Inventory of Existing Commercial Chemical Substances  
ELINCS = European List of Notified Chemical Substances  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IC50 = Inhibition concentration, 50%  
IMDG = International Maritime Code for Dangerous Goods  
IUCLID = International Uniform Chemical Information Database  
LC50 = Lethal concentration, 50%  
LD50 = Median lethal dose  
LC0 = lethal concentration, 0%  
LOAEL = lowest-observed-adverse-effect level  
MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
NOAEL = No Observed Adverse Effect Level  
NOEC = No Observed Effect Concentration  
PBT = Persistent, Bioaccumulative and Toxic substance  
PNEC = Predicted No-Effect Concentration  
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
STP = Sewage Treatment Plant  
TLV®/TWA = Threshold limit value – time-weighted average  
TLV®STEL = Threshold limit value – short-time exposure limit  
VOC = Volatile Organic Compounds  
vPvB = very Persistent and very Bioaccumulative

### 16.2 Other information

**Classification procedure**

none

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