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

1.1 Product identifier

TroPly Metallic Plus

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

1.2.1 Relevant uses

Plastics articles

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company Trotec Produktions- und Vertriebs GmbH
Linzer Str. 156
4600 Wels / AUSTRIA
Phone +43 (0)72 42 239-7777
Fax +43 (0) 72 42 239-7380
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

2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]

No classification.

2.1.2 Classification according to Directive 67/548/EEC or 1999/45/EC

No classification.

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

Other hazards No particular hazards known.

SECTION 3: Composition / Information on ingredients

Product-type: The product is an article.

Comment on component parts No dangerous components. 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 for medical treatment.

Inhalation not applicable
Skin contact No special measures necessary.
Eye contact not applicable
Ingestion not applicable
4.2 Most important symptoms and effects, both acute and delayed

None known.

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

- Foam, dry powder, water spray jet, carbon dioxide.
- Alcohol-resistant foam.

Extinguishing media that must not be used

- Full water jet.

5.2 Special hazards arising from the substance or mixture

In the event of fire the following can be released:

- Carbon monoxide (CO)

5.3 Advice for firefighters

- Use self-contained breathing apparatus.
- 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

- No special measures necessary.

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

- No special measures necessary if used correctly.
- The product is combustible.
- Wash hands before breaks and after work.

7.2 Conditions for safe storage, including any incompatibilities

- Keep in a well-ventilated place.
- Store in a dry place.
- Protect from heat/overheating.

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

No special measures necessary.

Eye protection

Not required under normal conditions.

Hand protection

Suitable protective gloves.

Skin protection

Not required under normal conditions.

Other

Avoid contact with eyes and skin.

Respiratory protection

Not required under normal conditions.

Thermal hazards

none

Delimitation and monitoring of the environmental exposition

No special measures necessary.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form

solid

Color

various

Odor

odourless

Odour threshold

not determined

pH-value

not applicable

pH-value [1%]

not applicable

Boiling point [°C]

not determined

Flash point [°C]

not applicable

Flammability (solid, gas) [°C]

not determined

Lower explosion limit

not applicable

Upper explosion limit

not applicable

Oxidizing properties

no

Vapour pressure/gas pressure [kPa]

not determined

Density [g/ml]

1.05 - 1.12

Bulk density [kg/m³]

not applicable

Solubility in water

virtually insoluble

Partition coefficient [n-octanol/water]

not determined

Viscosity

not applicable

Relative vapour density determined in air

not determined

Evaporation speed

not determined

Melting point [°C]

not determined

Autoignition temperature [°C]

not determined

Decomposition temperature [°C]

not determined

9.2 Other information

none

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**
Strong heating.
If product is heated above decomposition temperature toxic vapours may be released.

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**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serious eye damage/irritation</td>
<td>not determined</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>not determined</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>not determined</td>
</tr>
<tr>
<td>Specific target organ toxicity — single exposure</td>
<td>not determined</td>
</tr>
<tr>
<td>Specific target organ toxicity — repeated exposure</td>
<td>not determined</td>
</tr>
<tr>
<td>Mutagenicity</td>
<td>not determined</td>
</tr>
<tr>
<td>Reproduction toxicity</td>
<td>not determined</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>not determined</td>
</tr>
<tr>
<td>General remarks</td>
<td></td>
</tr>
</tbody>
</table>

**Toxicological data of complete product are not available.**

### SECTION 12: Ecological information

12.1 **Toxicity**

12.2 **Persistence and degradability**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Behaviour in environment compartments</td>
<td>not determined</td>
</tr>
<tr>
<td>Behaviour in sewage plant</td>
<td>Can be separated out mechanically in purification plants.</td>
</tr>
<tr>
<td>Biological degradability</td>
<td>The product is not biodegradable.</td>
</tr>
</tbody>
</table>

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

The product is insoluble in water.
Ecotoxicological data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine 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>
</tr>
</thead>
<tbody>
<tr>
<td>Disposal in an incineration plant in accordance with the regulations of the local authorities.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Waste no. (recommended)</th>
</tr>
</thead>
<tbody>
<tr>
<td>070213</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Contaminated packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contaminated packing should be disposed of as product waste.</td>
</tr>
<tr>
<td>Uncontaminated packaging may be taken for recycling.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Waste no. (recommended)</th>
</tr>
</thead>
<tbody>
<tr>
<td>150102</td>
</tr>
<tr>
<td>150101</td>
</tr>
</tbody>
</table>

SECTION 14: Transport information

14.1 UN number

See SECTION 14.2 in accordance with UN shipping name

14.2 UN proper shipping name

<table>
<thead>
<tr>
<th>Transport by land according to ADR/RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO DANGEROUS GOODS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Inland navigation (ADN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO DANGEROUS GOODS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Marine transport in accordance with IMDG</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOT CLASSIFIED AS “DANGEROUS GOODS”</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Air transport in accordance with IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOT CLASSIFIED AS “DANGEROUS GOODS”</td>
</tr>
</tbody>
</table>

14.3 Transport hazard class(es)

See SECTION 14.2 in accordance with UN shipping name

14.4 Packing group

See SECTION 14.2 in accordance with UN shipping name

14.5 Environmental hazards

See SECTION 14.2 in accordance with UN shipping name

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable
SECTION 15: Regulatory information

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

EEC-REGULATIONS
1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC

TRANSPORT-REGULATIONS

NATIONAL REGULATIONS (GB):
CHIP 3 / CHIP 4

- Observe employment restrictions for people
  none

- VOC (1999/13/CE)
  0 %

15.2 Chemical safety assessment
not applicable

SECTION 16: Other information

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
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
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
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

Modified position
none

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