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

1.1 Product identifier
   TroPly und TroPly Metallic

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
   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

   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

<table>
<thead>
<tr>
<th>Additional advice on system design</th>
<th>No special measures necessary.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye protection</td>
<td>Not required under normal conditions.</td>
</tr>
<tr>
<td>Hand protection</td>
<td>Suitable protective gloves.</td>
</tr>
<tr>
<td>Skin protection</td>
<td>Not required under normal conditions.</td>
</tr>
<tr>
<td>Other</td>
<td>Avoid contact with eyes and skin.</td>
</tr>
<tr>
<td>Respiratory protection</td>
<td>Not required under normal conditions.</td>
</tr>
<tr>
<td>Thermal hazards</td>
<td>none</td>
</tr>
<tr>
<td>Delimitation and monitoring of the environmental exposition</td>
<td>No special measures necessary.</td>
</tr>
</tbody>
</table>

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>solid</td>
</tr>
<tr>
<td>Color</td>
<td>various</td>
</tr>
<tr>
<td>Odor</td>
<td>odourless</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>not determined</td>
</tr>
<tr>
<td>pH-value</td>
<td>not applicable</td>
</tr>
<tr>
<td>pH-value [1%]</td>
<td>not applicable</td>
</tr>
<tr>
<td>Boiling point [°C]</td>
<td>not determined</td>
</tr>
<tr>
<td>Flash point [°C]</td>
<td>not applicable</td>
</tr>
<tr>
<td>Flammability (solid, gas) [°C]</td>
<td>not determined</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>not applicable</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>not applicable</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>no</td>
</tr>
<tr>
<td>Vapour pressure/gas pressure [kPa]</td>
<td>not determined</td>
</tr>
<tr>
<td>Density [g/ml]</td>
<td>1.05 - 1.12</td>
</tr>
<tr>
<td>Bulk density [kg/m³]</td>
<td>not applicable</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>virtually insoluble</td>
</tr>
<tr>
<td>Partition coefficient [n-octanol/water]</td>
<td>not determined</td>
</tr>
<tr>
<td>Viscosity</td>
<td>not applicable</td>
</tr>
<tr>
<td>Relative vapour density determined in air</td>
<td>not determined</td>
</tr>
<tr>
<td>Evaporation speed</td>
<td>not determined</td>
</tr>
<tr>
<td>Melting point [°C]</td>
<td>not determined</td>
</tr>
<tr>
<td>Autoignition temperature [°C]</td>
<td>not determined</td>
</tr>
<tr>
<td>Decomposition temperature [°C]</td>
<td>not determined</td>
</tr>
</tbody>
</table>

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>Toxicological effect</th>
<th>Determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serious eye damage/irritation</td>
<td>not determined</td>
</tr>
<tr>
<td>Skin corrosion/irritiation</td>
<td>not determined</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>not determined</td>
</tr>
<tr>
<td>Specific target organ toxicity —</td>
<td></td>
</tr>
<tr>
<td>single exposure</td>
<td>not determined</td>
</tr>
<tr>
<td>Specific target organ toxicity —</td>
<td></td>
</tr>
<tr>
<td>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>Environmental compartment</th>
<th>Determination</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.

Product

Disposal in an incineration plant in accordance with the regulations of the local authorities.

Waste no. (recommended) 070213

Contaminated packaging

Contaminated packing should be disposed of as product waste.
Uncontaminated packaging may be taken for recycling.

Waste no. (recommended) 150102
150101

SECTION 14: Transport information

14.1 UN number

See SECTION 14.2 in accordance with UN shipping name

14.2 UN proper shipping name

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS “DANGEROUS GOODS”

Air transport in accordance with IATA NOT CLASSIFIED AS “DANGEROUS GOODS”

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

EEC-REGULATIONS

TRANSPORT-REGULATIONS


CHIP 3/ CHIP 4
- Observe employment restrictions for people
- 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 internacional 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
none

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