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

Product identifier
7011 Trodat Ideal Violet

 Relevant identified uses of the substance or mixture and uses advised against
 Identified use
Paint

Company
Trodat GmbH
Linzstr. 156
4600 Wels / AUSTRIA
Phone +43 (0) 7242 239 - 0
Fax +43 (0) 7242 239 - 940
Homepage www.trodat.net
E-mail trodat@trodat.net

Address enquiries to
Emergency telephone number Advisory body
+43 (0) 1 406 43 43 (24h)

Emergency telephone number Company
+43 (0) 7242 239 - 0 Mo-Fr 8:00 - 16:00

Technical information
trodat@trodat.net

Safety Data Sheet
sdb@chemiebuero.de

SECTION 2: Hazards identification

Emergency Overview
Appearance, Odor:
liquid, violet, characteristic

HARMFUL TO AQUATIC ORGANISMS; MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT

OSHA Regulatory Status
This product is classified as hazardous in accordance to OSHA Standard 29 CFR 1910.1200.

Potential health effects

Potential environmental effects
Does not contain any PBT or vPvB substances.

SECTION 3: Composition / Information on ingredients

The product is a mixture.

<table>
<thead>
<tr>
<th>Range [%]</th>
<th>Substance</th>
</tr>
</thead>
</table>
| 20 - < 30| Glycerol
CAS: 56-81-5
| 15 - < 20| 2,2'-oxybisethanol
CAS: 111-46-6
| 1 - < 5 | C.I. Pigment Blue (29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper)
CAS: 147-14-8
| 1 - < 5 | Acid Violet 17 (C.I. 42650)
CAS: 4129-84-4
| < 1     | Arylethylphenylpolyglykolether
CAS: 104376-75-2
| < 1     | Alcohol C13 iso, ethoxylated
CAS: 9043-30-5

Comment on component parts
Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%.
For full text of H-statements and R-phrases: see SECTION 16.
SECTION 4: First aid measures

Description of first aid measures
Take off contaminated clothing and wash before reuse.

Inhalation
Ensure supply of fresh air.
In the event of symptoms seek for medical treatment.

Skin contact
When in contact with the skin, clean with soap and water.
Consult a doctor if skin irritation persists.

Eye contact
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

Ingestion
Seek medical advice immediately.
Rinse out mouth and give plenty of water to drink.
Do not induce vomiting.

Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5: Fire-fighting measures

Suitable extinguishing media
Extinguish blanket.
Carbon dioxide.
Foam.

Extinguishing media that must not be used
Full water jet.

Special exposure hazards arising from the substance or preparation itself or combustion products
Carbon monoxide (CO)
Risk of formation of toxic pyrolysis products.
Nitrogen oxides (NOx).
Sulphur oxides (SOx).

Special protective equipment for firefighters
Use self-contained breathing apparatus.

Additional information
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures
High risk of slipping due to leakage/spillage of product.
Ensure adequate ventilation.
Keep away from all sources of ignition.

Environmental precautions
Prevent spread over a wide area (e.g. by containment or oil barriers).
Do not discharge into the drains/surface waters/groundwater.
In case the product spills into drains/surface waters/groundwater, immediately inform the authorities.

Methods and material for containment and cleaning up
Pick up with absorbent material (e.g. sand, sawdust, universal absorbent, diatomaceous earth).
Dispose of absorbed material in accordance within the regulations.

SECTION 7: Handling and storage

Precautions for safe handling
Use only in well-ventilated areas.

Requirements for storage rooms and vessels
Keep only in original container.
Prevent penetration into the ground.
Provide floor with bunding.

Advice on storage compatibility
Do not store together with oxidizing agents.

Further information on storage conditions
Keep container in a well-ventilated place.
Keep container tightly closed.
Protect from heat/overheating.
SECTION 8: Exposure controls / personal protection

Additional advice on system design
Ensure adequate ventilation on workstation.

Ingredients with occupational exposure limits to be monitored (US)

<table>
<thead>
<tr>
<th>Range [%]</th>
<th>Substance</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 - &lt; 30</td>
<td>Glycerol</td>
</tr>
</tbody>
</table>

CAS: 56-81-5, EINECS/ELINCS: 200-289-5
Long-term exposure: 15 mg/m³, (mist) total dust

Respiratory protection
Breathing apparatus in the event of high concentrations.
Short term: filter apparatus, combination filter A-P2.

Hand protection
Butyl rubber, >480 min (EN 374).
The details concerned are recommendations. Please contact the glove supplier for further information.

Eye protection
If there is a risk of splashing:
Safety glasses.

Skin protection
light protective clothing

General protective measures
Avoid contact with eyes and skin.
Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier.

Hygiene measures
Take off contaminated clothing and wash before reuse.
Do not eat, drink or smoke when using this product.
Wash face and/or hands before break and end of work.
Use barrier skin cream.

SECTION 9: Physical and chemical properties

Form           liquid
Color          violet
Odor           characteristic
pH-value       not determined
pH-value [1%]  not determined
Boiling point [°C]  not determined
Flash point [°C]  > 146
Flammability [°C]  ca. 225
Lower explosion limit  not applicable
Upper explosion limit  not applicable
Oxidizing properties  no
Vapour pressure/gas pressure [kPa]  ca. 0.01 (20 °C)
Density [g/ml]  not determined
Bulk density [kg/m³]  not applicable
Solubility in water  completely miscible
Partition coefficient [n-octanol/water]  not determined
Viscosity  not determined
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
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4600 Wels

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SECTION 10: Stability and reactivity

Reactivity
No dangerous reactions known if used as directed.

Chemical stability
Stable under normal ambient conditions (ambient temperature).

Possibility of hazardous reactions
Reactions with oxidizing agents.

Conditions to avoid
See SECTION 7.2.

Incompatible materials
No information available.

Hazardous decomposition products
No hazardous decomposition products known.

In the event of fire: See SECTION 5.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

<table>
<thead>
<tr>
<th>Range [%]</th>
<th>Substance</th>
<th>LD50, oral, Rat: &gt; 5000 mg/kg bw.</th>
<th>LD50, oral, Rat: &gt; 5000 mg/kg (IUCLID)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 1</td>
<td>Arylethylphenylypolyglykolether, CAS: 104376-75-2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 - &lt; 5</td>
<td>C.I. Pigment Blue (29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper), CAS: 147-14-8</td>
<td></td>
<td></td>
</tr>
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<td>Acid Violet 17 (C.I. 42650), CAS: 4129-84-4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Serious eye damage/irritation
not determined

Skin corrosion/irritation
not determined

Respiratory or skin sensitisation
not determined

Specific target organ toxicity — single exposure
not determined

Specific target organ toxicity — repeated exposure
not determined

Mutagenicity
not determined

Reproduction toxicity
not determined

Carcinogenicity
not determined

General remarks
Toxicological data of complete product are not available.
No classification on the basis of the calculation procedure of the preparation directive.
The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.
Trodat GmbH
4600 Wels

SECTION 12: Ecological information

Toxicity

<table>
<thead>
<tr>
<th>Range [%]</th>
<th>Substance</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 1</td>
<td>Arylethylphenolpolyglykolether, CAS: 104376-75-2</td>
</tr>
<tr>
<td></td>
<td>LC50, (96h), Danio rerio: 17.8 mg/L.</td>
</tr>
<tr>
<td>1 - &lt; 5</td>
<td>C.I. Pigment Blue (29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper), CAS: 147-14-8</td>
</tr>
<tr>
<td></td>
<td>LC50, (48h), Oryzias latipes: &gt; 100 mg/l (IUCLID).</td>
</tr>
<tr>
<td>20 - &lt; 30</td>
<td>Glycerol, CAS: 56-81-5</td>
</tr>
<tr>
<td></td>
<td>LC50, (24h), Carassius auratus: &gt; 5000 mg/l.</td>
</tr>
<tr>
<td></td>
<td>EC50, (72h), Bacteria: &gt; 10000 mg/l.</td>
</tr>
<tr>
<td></td>
<td>EC50, (48h), Algae: &gt; 2900 mg/l.</td>
</tr>
<tr>
<td></td>
<td>EC50, (24h), Daphnia magna: &gt; 10000 mg/l.</td>
</tr>
<tr>
<td>1 - &lt; 5</td>
<td>Acid Violet 17 (C.I. 42650), CAS: 4129-84-4</td>
</tr>
<tr>
<td></td>
<td>LC50, (96h), Leuciscus idus: 1 - 10 mg/l.</td>
</tr>
<tr>
<td></td>
<td>EC50, (3h), Bacteria: &gt; 100 mg/l (OECD 209).</td>
</tr>
</tbody>
</table>

Behaviour in environment compartments: not determined
Behaviour in sewage plant: not determined
Bacteria toxicity: not determined
Biological degradability: not determined
COD: not determined
BOD 5: not determined
Other adverse effects: The product was classified on the basis of the calculation procedure of the preparation directive. Ecological data of complete product are not available.

SECTION 13: Disposal considerations

Product
Coordinate disposal with the authorities if necessary.
Disposal in an incineration plant in accordance with the regulations of the local authorities.

Contaminated packaging
Packaging that cannot be cleaned should be disposed of as for product.
Uncontaminated packaging may be taken for recycling.

RCRA Hazard Class (40 CFR 261)
Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities.

SECTION 14: Transport information

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”
DOT Road Shipment Information (49 CFR): NOT CLASSIFIED AS “DANGEROUS GOODS”
SECTION 15: Regulatory information

US Regulations

National regulations

- 29 CFR 1910.1200, ANSI Z400.1-2010, OSHA-PEL, ACGIH-TLV, NTP, IARC, SARA Title III, NFPA, TSCA, California - Prop. 65

- SARA, 302
  This product is not classified as hazardous under SARA 302.

- SARA, 311
  This product is not classified as hazardous under SARA 311.

- SARA, 313
  This product is not classified as hazardous under SARA 313.

- CA Proposition 65
  No chemical substances in this material are named on the California P65 list.

- TSCA
  All chemical substances in this material are included on or exempted from listing on the TSCA Inventory.

- FDA
  not applicable

American Conference of Governmental Industrial Hygienists - ACGIH

Ingredients not listed as carcinogens.

International Agency for Research on Cancer IARC

IARC: Not classifiable as to carcinogenicity to humans.

National Toxicology Program - NTP

Diethylene glycol (Testing Status)
Glycerol (Testing Status)

HAP-VOC

This product does not contain HAP’s.

Transport-regulations


Other Right to Know Laws

EC Regulations


Hazard pictograms

none

Signal word

none

Hazard statements

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.
P501 Dispose of contents/container to in accordance with local/regional/national/international regulation.

Labelling

Hazard symbols

none

R-phrases

R 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases

S 61: Avoid release to the environment. Refer to special instructions, safety data sheets.

Special labelling

Emergency Overview

HARMFUL TO AQUATIC ORGANISMS; MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT

SECTION 16: Other information

Observe employment restrictions for people

Observe employment restrictions for young people.

HMIS Ratings

HEALTH 1* - Slight chronic Hazard
FLAMMABILITY 1 - Slight Hazard
REACTIVITY 0 - Minimal Hazard
PERSONAL PROTECTION X - Personal protection rating to be supplied by user depending on use conditions

NFPA Ratings

TOP, FLAMMABILITY: 1 - Slight Hazard
LEFT, HEALTH: 1* - Slight chronic Hazard RIGHT, REACTIVITY: 0 - Minimal Hazard
BOTTOM, SPECIAL NOTICE: -

Modified position

none