

7011 Trodat Ideal Blue

Trodat GmbH  
4600 Wels

Date printed 29.09.2016, Revision 29.09.2016

Version 02. Supersedes version: 01

Page 1 / 10

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

**1.1 Product identifier**

7011 Trodat Ideal Blue

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

**1.2.1 Relevant uses**

Paint

**1.2.2 Uses advised against**

None known.

**1.3 Details of the supplier of the safety data sheet**

**Company** Trodat GmbH  
Linzerstr. 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**

**Technical information** trodat@trodat.net  
**Safety Data Sheet** sdb@chemiebuero.de

**1.4 Emergency telephone number**

**Advisory body** +43 (0) 1 406 43 43 (24h)  
**Company** +43 (0) 7242 239 - 0 Mo-Fr 8:00 - 16:00

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

No classification.

**2.2 Label elements**

The product does not require a hazard in accordance to OSHA Standard 29 CFR 1910.1200 (HCS 2012)

**Hazard pictograms** none

**Signal word** none

**Hazard statements** none

**Precautionary statements** P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P501 Dispose of contents/container to in accordance with local/regional/national/international regulation.

**2.3 Other hazards**

**Environmental hazards** Does not contain any PBT or vPvB substances.

**Other hazards** Further hazards were not determined with the current level of knowledge.

Trodar GmbH  
4600 Wels

Date printed 29.09.2016, Revision 29.09.2016

Version 02. Supersedes version: 01

Page 2 / 10

### SECTION 3: Composition / Information on ingredients

**Product-type:**

The product is a mixture.

Range [%]	Substance
20 - < 30	Glycerol CAS: 56-81-5, EINECS/ELINCS: 200-289-5
15 - < 20	2-2'-oxybisethanol CAS: 111-46-6, EINECS/ELINCS: 203-872-2, EU-INDEX: 603-140-00-6 GHS/CLP: Acute Tox. 4: H302
1 - < 5	C.I. Pigment Blue (29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper) CAS: 147-14-8, EINECS/ELINCS: 205-685-1
1 - < 5	Acid Blue 9 (C.I. 42090) CAS: 3844-45-9, EINECS/ELINCS: 223-339-8

**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: see SECTION 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

**General information**

Take off contaminated clothing and wash before reuse.

**Inhalation**

Ensure supply of fresh air.  
In the event of symptoms seek 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.

#### 4.2 Most important symptoms and effects, both acute and delayed

Headache

#### 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**

Extinguish blanket.  
Carbon dioxide.  
Foam.

**Extinguishing media that must not be used**

Full water jet.

#### 5.2 Special hazards arising from the substance or mixture

Carbon monoxide (CO)  
Risk of formation of toxic pyrolysis products.  
Nitrogen oxides (NOx).  
Sulphur oxides (SOx).

#### 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.

Trodat GmbH  
4600 Wels

Date printed 29.09.2016, Revision 29.09.2016

Version 02. Supersedes version: 01

Page 3 / 10

## SECTION 6: Accidental release measures

### 6.1 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.  
Wear suitable protective equipment. For personal protection see SECTION 8.

### 6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).  
Do not discharge into the drains/surface waters/groundwater.

### 6.3 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.

### 6.4 Reference to other sections

See SECTION 8+13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Use only in well-ventilated areas.  
Avoid contact with eyes and skin.

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.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.  
Prevent penetration into the ground.  
Provide floor with bunding.  
  
Do not store together with oxidizing agents.  
  
Keep container in a well-ventilated place.  
Keep container tightly closed.  
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 (US)

Substance
Glycerol
CAS: 56-81-5, EINECS/ELINCS: 200-289-5
Long-term exposure: 15 mg/m <sup>3</sup> , (mist) total dust

7011 Trodat Ideal Blue

Trodar GmbH  
4600 Wels

Date printed 29.09.2016, Revision 29.09.2016

Version 02. Supersedes version: 01

Page 4 / 10

## 8.2 Exposure controls

<b>Additional advice on system design</b>	Ensure adequate ventilation on workstation. 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.
<b>Eye protection</b>	If there is a risk of splashing: Safety glasses. (EN 166:2001)
<b>Hand protection</b>	> 0,11 mm, Butyl rubber, >480 min (EN 374-1/-2/-3). The details concerned are recommendations. Please contact the glove supplier for further information.
<b>Skin protection</b>	light protective clothing  Keep out of the reach of children. Avoid contact with eyes and skin. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.
<b>Respiratory protection</b>	Breathing apparatus in the event of high concentrations. Short term: filter apparatus, combination filter A-P2.
<b>Thermal hazards</b>	not applicable
<b>Delimitation and monitoring of the environmental exposition</b>	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

<b>Form</b>	liquid
<b>Color</b>	blue
<b>Odor</b>	characteristic
<b>Odor threshold</b>	No information available.
<b>pH-value</b>	No information available.
<b>pH-value [1%]</b>	No information available.
<b>Boiling point [°C]</b>	No information available.
<b>Flash point [°C]</b>	> 146 °C / > 295 °F
<b>Flammability [°C]</b>	not applicable
<b>Lower explosion limit</b>	not applicable
<b>Upper explosion limit</b>	not applicable
<b>Oxidizing properties</b>	no
<b>Vapor pressure/gas pressure [kPa]</b>	ca. 0,01 (20 °C / 68 °F)
<b>Density [g/ml]</b>	No information available.
<b>Bulk density [kg/m<sup>3</sup>]</b>	No information available.
<b>Solubility in water</b>	completely miscible
<b>Partition coefficient [n-octanol/water]</b>	No information available.
<b>Viscosity</b>	No information available.
<b>Relative vapor density determined in air</b>	No information available.
<b>Evaporation speed</b>	No information available.
<b>Melting point [°C]</b>	No information available.
<b>Autoignition temperature [°C]</b>	No information available.
<b>Decomposition temperature [°C]</b>	No information available.

### 9.2 Other information

none

7011 Trodat Ideal Blue

Trodat GmbH  
4600 Wels

Date printed 29.09.2016, Revision 29.09.2016

Version 02. Supersedes version: 01

Page 5 / 10

**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**

Reactions with oxidizing agents.

**10.4 Conditions to avoid**

See SECTION 7.2.

**10.5 Incompatible materials**

No information available.

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.  
In the event of fire: See SECTION 5.

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity**

Product
ATE-mix, oral, > 2000 mg/kg.
Substance
C.I. Pigment Blue (29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper), CAS: 147-14-8
LD50, oral, Rat: > 5000 mg/kg (IUCLID).
2-2'-oxybisethanol, CAS: 111-46-6
LD50, oral, Rat: 12565 mg/kg.
LD50, dermal, Rabbit: 11890 mg/kg.
Glycerol, CAS: 56-81-5
LD50, dermal, Rabbit: > 18700 mg/kg (IUCLID).
LD50, oral, Rat: 12600 mg/kg (IUCLID).

<b>Serious eye damage/irritation</b>	Based on the information available, the classification criteria have not been fulfilled.
<b>Skin corrosion/irritation</b>	Based on the information available, the classification criteria have not been fulfilled.
<b>Respiratory or skin sensitisation</b>	Based on the information available, the classification criteria have not been fulfilled.
<b>Specific target organ toxicity — single exposure</b>	Based on the information available, the classification criteria have not been fulfilled.
<b>Specific target organ toxicity — repeated exposure</b>	Based on the information available, the classification criteria have not been fulfilled.
<b>Mutagenicity</b>	Based on the information available, the classification criteria have not been fulfilled.
<b>Reproduction toxicity</b>	Based on the information available, the classification criteria have not been fulfilled.
<b>Carcinogenicity</b>	Based on the information available, the classification criteria have not been fulfilled.
<b>Aspiration hazard</b>	Based on the information available, the classification criteria have not been fulfilled.
<b>General remarks</b>	Toxicological data of complete product are not available.

7011 Trodat Ideal Blue

Trodar GmbH  
4600 Wels

Date printed 29.09.2016, Revision 29.09.2016

Version 02. Supersedes version: 01

Page 6 / 10

**SECTION 12: Ecological information**

**12.1 Toxicity**

Substance
C.I. Pigment Blue (29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper), CAS: 147-14-8
LC50, (48h), <i>Oryzias latipes</i> : > 100 mg/l (IUCLID).
Glycerol, CAS: 56-81-5
LC50, (24h), <i>Carassius auratus</i> : > 5000 mg/l.
EC50, (72h), Bacteria: > 10000 mg/l.
EC50, (48h), Algae: > 2900 mg/l.
EC50, (24h), <i>Daphnia magna</i> : > 10000 mg/l.

**12.2 Persistence and degradability**

<b>Behaviour in environment compartments</b>	No information available.
<b>Behaviour in sewage plant</b>	No information available.
<b>Biological degradability</b>	No information available.

**12.3 Bioaccumulative potential**

No information available.

**12.4 Mobility in soil**

No information available.

**12.5 Results of PBT and vPvB assessment**

Based on all available information not to be classified as PBT or vPvB respectively.

**12.6 Other adverse effects**

Ecological data of complete product are not available.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

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

**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.

**Trodax GmbH**  
**4600 Wels**

Date printed 29.09.2016, Revision 29.09.2016

Version 02. Supersedes version: 01

Page 7 / 10

**SECTION 14: Transport**

**14.1 UN number**

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

DOT Road Shipment Information (49 CFR) not applicable

**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"

DOT Road Shipment Information (49 CFR) NOT CLASSIFIED AS "DANGEROUS GOODS"

**14.3 Transport hazard class(es)**

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

DOT Road Shipment Information (49 CFR) not applicable

**14.4 Packing group**

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

DOT Road Shipment Information (49 CFR) not applicable

**Trodat GmbH**  
**4600 Wels**

Date printed 29.09.2016, Revision 29.09.2016

Version 02. Supersedes version: 01

Page 8 / 10

#### 14.5 Environmental hazards

Transport by land according to ADR/RID	no
Inland navigation (ADN)	no
Marine transport in accordance with IMDG	no
Air transport in accordance with IATA	no
DOT Road Shipment Information (49 CFR)	no

#### 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

#### US Regulations

##### National regulations

29 CFR 1910.1200-HCS 2012, 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	Ingredients not listed as carcinogens.
HAP-VOC	This product does not contain HAP's.
Transport-regulations	DOT-Classification, ADR (2015); IMDG-Code (2015, 37. Amdt.); IATA-DGR (2016).

Observe employment restrictions for people none

#### 15.2 Chemical safety assessment

not applicable



Trodar GmbH  
4600 Wels

Date printed 29.09.2016, Revision 29.09.2016

Version 02. Supersedes version: 01

Page 9 / 10

## SECTION 16: Other information

**16.1 Hazard statements (SECTION 03)** H302 Harmful if swallowed.

### 16.2 Ratings

#### HMIS Ratings

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

#### NFPA Ratings

1	
1	0

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

### 16.3 Abbreviations and acronyms:

ACGIH = American Conference of Governmental Industrial Hygienists;  
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;  
CERCLA = Comprehensive Environmental Response, Compensation and Liability Act;  
CFR = Code of Federal Regulations;  
CPR = Controlled Products Regulations;  
DMEL = Derived Minimum Effect Level;  
DNEL = Derived No Effect Level;  
DOT = Department of Transportation;  
EC50 = Median effective concentration;  
EPA = Environmental Protection Agency;  
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;  
IARC = International Agency of Research on Cancer;  
IATA = International Air Transport Association;  
TSCA = Toxic Substance Control Act;  
HMIS = Hazardous Materials Identification System;  
NFPA = National Fire Protection Association;  
NIOSH = National Institute for Occupational Safety and Health;  
OSHA = Occupational Safety and Health Administration;  
LC50 = Lethal concentration, 50%;  
LD50 = Median lethal dose, 50%;  
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;  
SARA = Superfund Amendments and Reauthorization Act;  
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;

Trodat GmbH

4600 Wels

Date printed 29.09.2016, Revision 29.09.2016

Version 02. Supersedes version: 01

Page 10 / 10

#### 16.4 Other information

##### Classification procedure

##### Modified position

SECTION 15 deleted: EUH210 Safety data sheet available on request.

SECTION 2 been added: The product does not require a hazard in accordance to OSHA Standard 29 CFR 1910.1200 (HCS 2012)

SECTION 6 been added: Wear suitable protective equipment. For personal protection see SECTION 8.

SECTION 7 been added: Avoid contact with eyes and skin.

SECTION 8 been added: 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.

SECTION 8 been added: Keep out of the reach of children.

SECTION 9 been added: No information available.

SECTION 9 deleted: not determined

SECTION 11 been added: Based on the information available, the classification criteria have not been fulfilled.

SECTION 11 deleted: not determined

SECTION 12 been added: No information available.

SECTION 12 deleted: not determined

SECTION 15 been added: TRGS 510: Lagerung von Gefahrstoffen in ortsbeweglichen Behältern

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