

Trodat GmbH  
4600 Wels

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

**Product identifier** 7011 Trodat Ideal Blue

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

**Identified use** none

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**Technical information** trodat@trodat.net

**Safety Data Sheet** sdb@chemiebuero.de

## SECTION 2: Hazards identification

### Emergency Overview

**Appearance, Odor:** liquid, blue, characteristic

**OSHA Regulatory Status** This product is classified as non-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.

Range [%]	Substance
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 Blue 9 (C.I. 42090) CAS: 3844-45-9
< 1	Acid Violet 17 (C.I. 42650) CAS: 4129-84-4
< 1	Arylethylphenylpolyglykoether 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.

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**SECTION 4: First aid measures**

<b>Description of first aid measures</b>	Take off contaminated clothing and wash before reuse.
<b>Inhalation</b>	Ensure supply of fresh air. In the event of symptoms seek for medical treatment.
<b>Skin contact</b>	When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.
<b>Eye contact</b>	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.
<b>Ingestion</b>	Seek medical advice immediately. Rinse out mouth and give plenty of water to drink. Do not induce vomiting.
<b>Indication of any immediate medical attention and special treatment needed</b>	Treat symptomatically.

**SECTION 5: Fire-fighting measures**

<b>Suitable extinguishing media</b>	Extinguish blanket. Carbon dioxide. Foam.
<b>Extinguishing media that must not be used</b>	Full water jet.
<b>Special exposure hazards arising from the substance or preparation itself or combustion products</b>	Carbon monoxide (CO) Risk of formation of toxic pyrolysis products. Nitrogen oxides (NO <sub>x</sub> ). Sulphur oxides (SO <sub>x</sub> ).
<b>Special protective equipment for firefighters</b>	Use self-contained breathing apparatus.
<b>Additional information</b>	Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

**SECTION 6: Accidental release measures**

<b>Personal precautions, protective equipment and emergency procedures</b>	High risk of slipping due to leakage/spillage of product. Ensure adequate ventilation. Keep away from all sources of ignition.
<b>Environmental precautions</b>	Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater.
<b>Methods and material for containment and cleaning up</b>	Pick up with absorbent material (e.g. sand, sawdust, universal absorbent, diatomaceous earth). Dispose of absorbed material in accordance with the regulations.

**SECTION 7: Handling and storage**

<b>Precautions for safe handling</b>	Use only in well-ventilated areas.
<b>Requirements for storage rooms and vessels</b>	Keep only in original container. Prevent penetration into the ground. Provide floor with bunding.
<b>Advice on storage compatibility</b>	Do not store together with oxidizing agents.
<b>Further information on storage conditions</b>	Keep container in a well-ventilated place. Keep container tightly closed. Protect from heat/overheating.

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**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)**

Range [%]	Substance
20 - < 30	Glycerol
	CAS: 56-81-5, EINECS/ELINCS: 200-289-5
	Long-term exposure: 15 mg/m <sup>3</sup> , (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.

**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**

<b>Form</b>	liquid
<b>Color</b>	blue
<b>Odor</b>	characteristic
<b>pH-value</b>	not determined
<b>pH-value [1%]</b>	not determined
<b>Boiling point [°C]</b>	not determined
<b>Flash point [°C]</b>	> 146
<b>Flammability [°C]</b>	ca. 225
<b>Lower explosion limit</b>	not applicable
<b>Upper explosion limit</b>	not applicable
<b>Oxidizing properties</b>	no
<b>Vapour pressure/gas pressure [kPa]</b>	ca. 0,01 (20 °C)
<b>Density [g/ml]</b>	not determined
<b>Bulk density [kg/m<sup>3</sup>]</b>	not applicable
<b>Solubility in water</b>	completely miscible
<b>Partition coefficient [n-octanol/water]</b>	not determined
<b>Viscosity</b>	not determined
<b>Relative vapour density determined in air</b>	not determined
<b>Evaporation speed</b>	not determined
<b>Melting point [°C]</b>	not determined
<b>Autoignition temperature [°C]</b>	not determined
<b>Decomposition temperature [°C]</b>	not determined

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## SECTION 10: Stability and reactivity

<b>Reactivity</b>	No dangerous reactions known if used as directed.
<b>Chemical stability</b>	Stable under normal ambient conditions (ambient temperature).
<b>Possibility of hazardous reactions</b>	Reactions with oxidizing agents.
<b>Conditions to avoid</b>	See SECTION 7.2.
<b>Incompatible materials</b>	No information available.
<b>Hazardous decomposition products</b>	No hazardous decomposition products known. In the event of fire: See SECTION 5.

## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

Range [%]	Substance
< 1	Arylethylphenylpolyglykolether, CAS: 104376-75-2
	LD50, oral, Rat: >5000 mg/kg bw.
15 - < 20	2,2' -oxybisethanol, CAS: 111-46-6
	LD50, oral, Rat: 12565 mg/kg.
	LD50, dermal, Rabbit: 11890 mg/kg.
20 - < 30	Glycerol, CAS: 56-81-5
	LD50, dermal, Rabbit: > 18700 mg/kg (IUCLID).
	LD50, oral, Rat: 12600 mg/kg (IUCLID).
< 1	Acid Violet 17 (C.I. 42650), CAS: 4129-84-4
	LD50, oral, Rat: > 5000 mg/kg.

<b>Serious eye damage/irritation</b>	not determined
<b>Skin corrosion/irritation</b>	not determined
<b>Respiratory or skin sensitisation</b>	not determined
<b>Specific target organ toxicity — single exposure</b>	not determined
<b>Specific target organ toxicity — repeated exposure</b>	not determined
<b>Mutagenicity</b>	not determined
<b>Reproduction toxicity</b>	not determined
<b>Carcinogenicity</b>	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.

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## SECTION 12: Ecological information

### Toxicity

Range [%]	Substance
< 1	Arylethylphenylpolyglykoether, CAS: 104376-75-2
	LC50, (96h), Danio rerio: 17,8 mg/L.
20 - < 30	Glycerol, CAS: 56-81-5
	LC50, (24h), Carassius auratus: > 5000 mg/l.
	EC50, (72h), Bacteria: > 10000 mg/l.
	EC50, (48h), Algae: > 2900 mg/l.
	EC50, (24h), Daphnia magna: > 10000 mg/l.
< 1	Acid Violet 17 (C.I. 42650), CAS: 4129-84-4
	LC50, (96h), Leuciscus idus: 1 - 10 mg/l.
	EC50, (3h), Bacteria: > 100 mg/l (OECD 209).

**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** No classification on the basis of the calculation procedure of the preparation directive. Ecological data of complete product are not available.

## SECTION 13: Disposal considerations

<b>Product</b>	Coordinate disposal with the authorities if necessary. Disposal in an incineration plant in accordance with the regulations of the local authorities.
<b>Contaminated packaging</b>	Packaging that cannot be cleaned should be disposed of as for product. Untampered packaging may be taken for recycling.
<b>RCRA Hazard Class (40CFR 261)</b>	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

<b>Transport by land according to ADR/RID</b>	NO DANGEROUS GOODS
<b>Inland navigation (ADN)</b>	NO DANGEROUS GOODS
<b>Marine transport in accordance with IMDG</b>	NOT CLASSIFIED AS "DANGEROUS GOODS"
<b>Air transport in accordance with IATA</b>	NOT CLASSIFIED AS "DANGEROUS GOODS"
<b>DOT Road Shipment Information (49 CFR)</b>	NOT CLASSIFIED AS "DANGEROUS GOODS"

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## SECTION 15: Regulatory information

### US Regulations

<b>National regulations</b>	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
<b>American Conference of Governmental Industrial Hygienists - ACGIH</b>	Ingredients not listed as carcinogens.
<b>International Agency for Research on Cancer IARC</b>	IARC: Not classifiable as to carcinogenicity to humans.
<b>National Toxicology Program - NTP</b>	Diethylene glycol (Testing Status) Glycerol (Testing Status)
<b>HAP-VOC</b>	This product does not contain HAP's.
<b>Transport-regulations</b>	DOT-Classification, ADR (2013); IMDG-Code (2013, 36. Amdt.); IATA-DGR (2013).
<b>Other Right to Know Laws</b>	

### EC Regulations

	1967/548 (1999/45); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC
<b>Hazard pictograms</b>	none
<b>Signal word</b>	none
<b>Hazard statements</b>	none
<b>Labelling</b>	
<b>Hazard symbols</b>	none
<b>R-phrases</b>	none
<b>S-phrases</b>	none
<b>Special labelling</b>	Safety data sheet available for professional user on request.

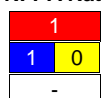
## SECTION 16: Other information

Observe employment restrictions for people none

### HMIS Ratings

<b>HEALTH</b>	<b>1*</b>	1* - Slight chronic Hazard
<b>FLAMMABILITY</b>	<b>1</b>	1 - Slight Hazard
<b>REACTIVITY</b>	<b>0</b>	0 - Minimal Hazard
<b>PERSONAL PROTECTION</b>	<b>X</b>	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: -
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Modified position none

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Key / Legende:

ACGIH = American Conference of Governmental Industrial Hygienists; CAS = Chemical Abstracts Service; CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act; CFR = Code of Federal Regulations; CPR = Controlled Products Regulations; DOT = Department of Transportation; EINCES = European Inventory of Existing Commercial Chemical Substances; EPA = Environmental Protection Agency; IARC = International Agency for Research on Cancer; IATA = International Air Transport Association; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; SARA = Superfund Amendments and Reauthorization Act; STEL = Short Term Exposure Limit; TSCA = Toxic Substances Control Act



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