

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

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

**1.1 Product identifier**

**7011 Trodat Ideal Red**

**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**

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**Safety Data Sheet** [sdb@chemiebuero.de](mailto: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.

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### SECTION 3: Composition / Information on ingredients

#### Product-type:

The product is a mixture.

| Range [%] | Substance                                                                                                                 |
|-----------|---------------------------------------------------------------------------------------------------------------------------|
| 20 - < 25 | Glycerol<br>CAS: 56-81-5, EINECS/ELINCS: 200-289-5                                                                        |
| 15 - < 20 | Polietileno glicol<br>CAS: 25322-68-3, EINECS/ELINCS: Polymer                                                             |
| 1 - < 5   | Trisodium 1-(1-naphthylazo)-2-hydroxynaphthalene-4',6,8-trisulphonate<br>CAS: 2611-82-7, EINECS/ELINCS: 220-036-2         |
| 1 - < 5   | 3-hydroxy-N-(o-tolyl)-4-[(2,4,5-trichlorophenyl)azo]naphthalene-2-carboxamide<br>CAS: 6535-46-2, EINECS/ELINCS: 229-440-3 |

#### 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

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

Risk of formation of toxic pyrolysis products.  
Carbon monoxide (CO)  
Nitrogen oxides (NOx).  
Chlorine compounds.

#### 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.

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## 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 with 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.

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 |

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## 8.2 Exposure controls

|                                                                    |                                                                                                                                                                                                                                                                                                               |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Additional advice on system design</b>                          | Ensure adequate ventilation on workstation.                                                                                                                                                                                                                                                                   |
| <b>Eye protection</b>                                              | If there is a risk of splashing:<br>Safety glasses. (EN 166:2001)                                                                                                                                                                                                                                             |
| <b>Hand protection</b>                                             | 0,4 mm: butyl rubber, > 120 min (EN 374)<br>The details concerned are recommendations. Please contact the glove supplier for further information.                                                                                                                                                             |
| <b>Skin protection</b>                                             | light protective clothing<br><br>Avoid contact with eyes and skin.<br>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>                                      | Not required under normal conditions.<br>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>                                    | red                       |
| <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/m³]</b>                     | not applicable            |
| <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

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reactions known if used as directed.

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## 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

|                                               |
|-----------------------------------------------|
| Substance                                     |
| 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>                      | Toxicological data of complete product are not available.<br>Based on the information available, the classification criteria have not been fulfilled. |
| <b>Skin corrosion/irritation</b>                          | Toxicological data of complete product are not available.<br>Based on the information available, the classification criteria have not been fulfilled. |
| <b>Respiratory or skin sensitisation</b>                  | Toxicological data of complete product are not available.<br>Based on the information available, the classification criteria have not been fulfilled. |
| <b>Specific target organ toxicity — single exposure</b>   | Toxicological data of complete product are not available.<br>Based on the information available, the classification criteria have not been fulfilled. |
| <b>Specific target organ toxicity — repeated exposure</b> | Toxicological data of complete product are not available.<br>Based on the information available, the classification criteria have not been fulfilled. |
| <b>Mutagenicity</b>                                       | Toxicological data of complete product are not available.<br>Based on the information available, the classification criteria have not been fulfilled. |
| <b>Reproduction toxicity</b>                              | Toxicological data of complete product are not available.<br>Based on the information available, the classification criteria have not been fulfilled. |
| <b>Carcinogenicity</b>                                    | Toxicological data of complete product are not available.<br>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>                                    | none                                                                                                                                                  |

# SECTION 12: Ecological information

## 12.1 Toxicity

|                                              |
|----------------------------------------------|
| Substance                                    |
| 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.    |

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## 12.2 Persistence and degradability

|                                       |                           |
|---------------------------------------|---------------------------|
| Behaviour in environment compartments | No information available. |
| Behaviour in sewage plant             | No information available. |
| Biological degradability              | 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.

|                |                                                                                                                                                          |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product</b> | Coordinate disposal with the authorities if necessary.<br>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.<br>Uncontaminated packaging may be taken for recycling. |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------|

# 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 |

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#### 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 |

#### 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

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## SECTION 15: Regulatory information

### US Regulations

|                                                                   |                                                                                                                     |
|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>National regulations</b>                                       | 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 contain one ingredient regulated under this list(40 CFR part 372.65): 3-iodo-2-propynyl butylcarbamate |
| - 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                                 | This product is not named NTP - National Toxicology Program.                                                        |
| 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                                                                                                                |

## SECTION 16: Other information

### 16.1 Ratings

#### HMIS Ratings

|                            |           |                                                                                   |
|----------------------------|-----------|-----------------------------------------------------------------------------------|
| <b>HEALTH</b>              | <b>1*</b> | 1* - Slight chronic Hazard                                                        |
| <b>FLAMMABILITY</b>        | <b>1</b>  | 1 - Slight Hazard                                                                 |
| <b>PHYSICAL HAZARD</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

|            |                                          |
|------------|------------------------------------------|
| <b>1</b>   | TOP, FLAMMABILITY: 1 - Slight Hazard     |
| <b>1 0</b> | LEFT, HEALTH: 1* - Slight chronic Hazard |
| <b>-</b>   | RIGHT, REACTIVITY: 0 - Minimal Hazard    |
|            | BOTTOM, SPECIAL NOTICE: -                |

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## 16.2 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;

## 16.3 Other information

### Classification procedure

### Modified position

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

SECTION 8 been added: Not required under normal conditions.

SECTION 8 deleted: Breathing apparatus in the event of high concentrations.

SECTION 8 been added: butyl rubber, > 120 min (EN 374)

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 been added: Toxicological data of complete product are not available.

SECTION 11 deleted: not determined

SECTION 12 been added: No information available.

SECTION 12 deleted: not determined



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