Safety Data Sheet (SDS) conforms to ANSI Z400.1/Z129.1-2010 (29 CFR 1910) (US)

7011 Trodat Ideal Red

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 Red

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

Paint

Identified use

none

Company

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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, red, characteristic

OSHA Regulatory Status

This product is classified as non-hazardous in accordance to OSHA Standard 29 CFR 1910.1200.

Potential health effects

Does not contain any PBT or vPvB substances.

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>
<th>CAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 - &lt; 25</td>
<td>Glycerol</td>
<td>56-81-5</td>
</tr>
<tr>
<td>15 - &lt; 20</td>
<td>Polyethylene glycol</td>
<td>25322-68-3</td>
</tr>
<tr>
<td>5 - &lt; 10</td>
<td>3-Hydroxy-N-(o-tolyl)-4-[(2,4,5-trichlorphenyl)azo]naphthalin-2-carboxamid</td>
<td>6535-46-2</td>
</tr>
<tr>
<td>1 - &lt; 5</td>
<td>C.I. Acid Red 14 (disodium 4-hydroxy-3-[(4-sulphonatonaphthyl)azo]naphthalenesulphonate)</td>
<td>3567-69-9</td>
</tr>
<tr>
<td>&lt; 0,1</td>
<td>2-Methyl-2H-isothiazolin-3-one</td>
<td>2682-20-4</td>
</tr>
<tr>
<td>&lt; 0,1</td>
<td>Alcohol C13 iso, ethoxylated</td>
<td>9043-30-5</td>
</tr>
<tr>
<td>&lt; 0,1</td>
<td>3-iodo-2-propynyl butylcarbamate</td>
<td>55406-53-6</td>
</tr>
</tbody>
</table>

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

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

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.

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>
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<tr>
<th>Range [%]</th>
<th>Substance</th>
</tr>
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<tbody>
<tr>
<td>20 - &lt; 25</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: red
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
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>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 0,1</td>
<td>2-Methyl-2H-isothiazolin-3-one, CAS: 2682-20-4</td>
</tr>
<tr>
<td></td>
<td>LD50, dermal, Rabbit: 326 mg/kg (Lit.).</td>
</tr>
<tr>
<td></td>
<td>LD50, oral, Rat: 285 mg/kg (Lit.).</td>
</tr>
<tr>
<td></td>
<td>LC50, inhalative, Rat: 0.35 mg/l 4h (Lit.).</td>
</tr>
<tr>
<td>20 - &lt; 25</td>
<td>Glycerol, CAS: 56-81-5</td>
</tr>
<tr>
<td></td>
<td>LD50, dermal, Rabbit: &gt; 18700 mg/kg (IUCLID).</td>
</tr>
<tr>
<td></td>
<td>LD50, oral, Rat: 12600 mg/kg (IUCLID).</td>
</tr>
<tr>
<td>5 - &lt; 10</td>
<td>3-Hydroxy-N-(o-tolyl)-4-[(2,4,5-trichlorophenyl)azo]naphthalin-2-carboxamid, CAS: 6535-46-2</td>
</tr>
<tr>
<td></td>
<td>LD50, oral, Rat: &gt; 2000 mg/kg.</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.
SECTION 12: Ecological information

Toxicity

<table>
<thead>
<tr>
<th>Range [%]</th>
<th>Substance</th>
<th>LC50, (96h), Lepomis macrochirus: 12,4 mg/l (Lit.)</th>
<th>LC50, (96h), Oncorhynchus mykiss: 6,0 mg/l (Lit.)</th>
<th>EC50, (72h), Selenastrum capricornutum: 0,22 mg/l (Lit.)</th>
<th>EC50, (48h), Daphnia magna: 1,6 mg/l (Lit.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 0,1</td>
<td>2-Methyl-2H-isothiazolin-3-one, CAS: 2682-20-4</td>
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<td>Glycerol, CAS: 56-81-5</td>
<td></td>
<td></td>
<td></td>
<td></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: Ecological data of complete product are not available.
No classification on the basis of the calculation procedure of the preparation directive.

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 (40CFR 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 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
  Ingredients not listed as carcinogens.

American Conference of Governmental Industrial Hygienists - ACGIH
IARC: Not classifiable as to carcinogenicity to humans.

International Agency for Research on Cancer IARC

National Toxicology Program - NTP
Disodium 4-hydroxy-3-[(4-sulphonatonaphthyl)azo]naphthalenesulphonate (Testing Status)
Polyethylene glycol (Testing Status)
Glycerol (Testing Status)

HAP-VOC
This product does not contain HAP’s.


EC Regulations

1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC

Hazard pictograms none
Signal word none
 Hazard statements none
 Precautionary statements none
 Labelling none
 Hazard symbols none
 R-phrases none
 S-phrases none
 Special labelling none

SECTION 16: Other information

Observe employment restrictions for people

HMIS Ratings

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>REACTIVITY</th>
<th>PERSONAL PROTECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1*</td>
<td>1</td>
<td>0</td>
<td>X</td>
</tr>
</tbody>
</table>

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

NFPA Ratings

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>REACTIVITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

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

Modified position
none