

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

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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

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 - < 25	Glycerol CAS: 56-81-5
15 - < 20	Polyethyleneglycol CAS: 25322-68-3
5 - < 10	3-Hydroxy-N-(o-tolyl)-4-[(2,4,5-trichlorophenyl)azo]naphthalin-2-carboxamid CAS: 6535-46-2
1 - < 5	C.I. Acid Red 14 (disodium 4-hydroxy-3-[(4-sulphonatonaphthyl)azo]naphthalenesulphonate) CAS: 3567-69-9
< 0,1	2-Methyl-2H-isothiazolin-3-one CAS: 2682-20-4
< 0,1	Alcohol C13 iso, ethoxylated CAS: 9043-30-5
< 0,1	3-iodo-2-propynyl butylcarbamate CAS: 55406-53-6

Comment on component parts

No dangerous components.
Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%.

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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 with 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 with 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.

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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 - < 25	Glycerol
	CAS: 56-81-5, EINECS/ELINCS: 200-289-5
	Long-term exposure: 15 mg/m ³ , (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

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/m ³]	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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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

Range [%]	Substance
< 0,1	2-Methyl-2H-isothiazolin-3-one, CAS: 2682-20-4
	LD50, dermal, Rabbit: 326 mg/kg (Lit.).
	LD50, oral, Rat: 285 mg/kg (Lit.).
	LC50, inhalative, Rat: 0,35 mg/l 4h (Lit.).
20 - < 25	Glycerol, CAS: 56-81-5
	LD50, dermal, Rabbit: > 18700 mg/kg (IUCLID).
	LD50, oral, Rat: 12600 mg/kg (IUCLID).
5 - < 10	3-Hydroxy-N-(o-tolyl)-4-[(2,4,5-trichlorophenyl)azo]naphthalin-2-carboxamid, CAS: 6535-46-2
	LD50, oral, Rat: > 2000 mg/kg.

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.

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SECTION 12: Ecological information

Toxicity

Range [%]	Substance
< 0,1	2-Methyl-2H-isothiazolin-3-one, CAS: 2682-20-4
	LC50, (96h), <i>Lepomis macrochirus</i> : 12,4 mg/l (Lit.).
	LC50, (96h), <i>Oncorhynchus mykiss</i> : 6,0 mg/l (Lit.).
	EC50, (72h), <i>Selenastrum capricornutum</i> : 0,22 mg/l (Lit.).
20 - < 25	EC50, (48h), <i>Daphnia magna</i> : 1,6 mg/l (Lit.).
	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.

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. Untamined 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"

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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

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

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.

Transport-regulations

DOT-Classification, ADR (2013); IMDG-Code (2013, 36. Amdt.); IATA-DGR (2013).

Other Right to Know Laws

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

Hazard pictograms

none

Signal word

none

Hazard statements

none

Precautionary statements

none

Labelling

Hazard symbols

none

R-phrases

none

S-phrases

none

Special labelling

none

SECTION 16: Other information

Observe employment restrictions for people

none

HMIS Ratings

HEALTH	1*	1* - Slight chronic Hazard
FLAMMABILITY	1	1 - Slight Hazard
REACTIVITY	0	0 - Minimal Hazard
PERSONAL PROTECTION	X	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

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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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