Trodat Premium Maxlight Ink Violet



Trodat GmbH 4600 Wels

Date printed 21.07.2020, Revision 21.07.2020

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

1.1 Product identifier

Trodat Premium Maxlight Ink Violet

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

1.2.1 Relevant uses

Ink

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

Eye Dam. 1: H318 Causes serious eye damage. Skin Sens. 1: H317 May cause an allergic skin reaction.

Skin Irrit. 2: H315 Causes skin irritation. Acute Tox. 4: H332 Harmful if inhaled.

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2.2 Label elements

The product is classified as hazardous in accordance to OSHA Standard 29 CFR 1910.1200

(HCS 2012)

Hazard pictograms

(FE)

Signal word DANGER

Hazard statements H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H315 Causes skin irritation. H332 Harmful if inhaled.

Precautionary statements P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children. P261 Avoid breathing vapors/spray. P264 Wash hands thoroughly after handling.

P270 Do no eat, drink or smoke when using this product. P280 Wear protective gloves/eye protection/face protection. P302+P352 IF ON SKIN: Wash with plenty of water/soap.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/doctor.

P362+P364 Take off contaminated clothing and wash it before reuse.

P501 Dispose of contents/container to in accordance with local/regional/national/international

regulation.

2.3 Other hazards

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

SECTION 3: Composition / Information on ingredients

3.1 Substances

The product is a mixture.

3.2 Mixtures

Range [%]	Substance
25 - 30	(Z)-N-metil-N-(1-oxo-9-octadecenil)glicina
	CAS: 110-25-8
20 - 30	2-Ethylhexane-1,3-diol
	CAS: 94-96-2
15 - 20	Rosin ester
3 - 5	Solvent Violet 8
	CAS: 52080-58-7

Comment on component parts None

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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.

Remove the victim into fresh air and keep him calm. In the event of symptoms seek medical treatment.

Skin contact In case of contact with skin wash off immediately with water.

If skin irritation or rash occurs: Get medical advice/attention.

Eye contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing.
Consult a doctor immediately.

Ingestion Consult a doctor 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

No information available.

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 foam, dry powder, water spray jet, carbon dioxide

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.

Not combusted hydrocarbons. Carbon monoxide (CO) Carbon dioxide (CO2) Nitrogen oxides (NOx).

5.3 Advice for firefighters

Use self-contained breathing apparatus.

Cool containers at risk with water spray jet.

Collect contaminated firefighting water separately, must not be discharged into the drains. Fire residues and contaminated firefighting water must be disposed of in accordance within

the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

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.

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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 formation of aerosols.

Avoid contact with eyes and skin. Use personal protective equipment. Keep away from open flames, hot surfaces and sources of ignition.

Do not eat, drink, smoke or take drugs at work. Wash face and/or hands before break and end of work.

Use barrier skin cream.

Take off contaminated clothing and wash before reuse.

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 and from sun. Keep in a cool place. Store in a dry place.

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)

not applicable

8.2 Exposure controls

Additional advice on system design

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.

Eye protection Tightly fitting goggles. (EN 166:2001)

Hand protection The details concerned are recommendations. Please contact the glove supplier for further

information

0,7 mm: Butyl rubber, >480 min (EN 374-1/-2/-3).

Skin protection Protective clothing (EN 340)

Avoid contact with eyes and skin. Do not breathe vapor/spray.

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.

Respiratory protection In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear

appropriate respiratory protection.

Short term: filter apparatus, combination filter A-P2.

Thermal hazards not applicable

Delimitation and monitoring of the

environmental exposition

Protect the environment by applying appropriate control measures to prevent or limit

emissions.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form Viscous liquid
Color violet

Color viole
Odor mild

Odor threshold

pH-value

No information available.

pH-value [1%]

No information available.

No information available.

No information available.

Flash point [°C] not applicable
Flammability [°C] not applicable
Lower explosion limit not applicable
Upper explosion limit not applicable

Oxidizing properties no

Vapor pressure/gas pressure [kPa] No information available.

Density [g/ml] No information available.

Bulk density [kg/m³] not applicable

Solubility in water soluble

Partition coefficient [n-octanol/water] No information available.

Viscosity No information available.

Relative vapor density determined in No information available.

air

Evaporation speed No information available.

Melting point [°C] No information available.

Autoignition temperature [°C] not self-igniting

Decomposition temperature [°C] No information available.

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Reactions with strong oxidizing agents.

10.4 Conditions to avoid

Strong heating.

Keep away from open flames, hot surfaces and sources of ignition.

10.5 Incompatible materials

See SECTION 10.3.

10.6 Hazardous decomposition products

No dangerous reactions known if used as directed. In the event of fire: See SECTION 5.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product

ATE-mix, inhalativ (mist), 4,57 - 5,48 mg/l/4h.

Substance

2-Ethylhexane-1,3-diol, CAS: 94-96-2

LD50, oral, Rat: > 2000 mg/kg.

LD50, dermal, Rabbit: > 2000 mg/kg.

(Z)-N-metil-N-(1-oxo-9-octadecenil)glicina, CAS: 110-25-8

LD50, oral, Rat: >2000 mg/kg bw.

LC50, inhalative, Rat: 1,37 mg/L (4h)

Serious eye damage/irritation Risk of serious damage to eyes.

Calculation method

Skin corrosion/irritation Irritan

Calculation method

Respiratory or skin sensitisation May cause an allergic skin reaction.

Calculation method

Specific target organ toxicity —

single exposure

Based on the information available, the classification criteria have not been fulfilled.

Specific target organ toxicity —

repeated exposure

Based on the information available, the classification criteria have not been fulfilled.

Mutagenicity
Reproduction toxicity

Based on the information available, the classification criteria have not been fulfilled. Based on the information available, the classification criteria have not been fulfilled. Based on the information available, the classification criteria have not been fulfilled. Based on the information available, the classification criteria have not been fulfilled.

Aspiration hazard General remarks

Carcinogenicity

May cause respiratory tract irritation.

Toxicological data of complete product are not available.

SECTION 12: Ecological information

12.1 Toxicity

Substance

2-Ethylhexane-1,3-diol, CAS: 94-96-2

EC50, (24h), Daphnia magna: 811 mg/l

LC0, (48h), Leuciscus idus: > 1000 mg/l.

EC10, Pseudomonas putida: 1300 mg/l (18 h).

(Z)-N-metil-N-(1-oxo-9-octadecenil)glicina, CAS: 110-25-8

LC50, (96h), Danio rerio: 1 - 10 mg/L

EC50, (48h), Daphnia magna: 0,68 mg/L

12.2 Persistence and degradability

Behaviour in environment

No information available.

compartments

No information available.

Behaviour in sewage plant Biological degradability

No information available.

12.3 Bioaccumulative potential

CAS 94-96-2: log Pow: 1,6 (Lit.)

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12.4 Mobility in soil

Spillages may penetrate the soil causing ground water contamination.

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.

Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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

14.1 UN number

Transport by land according to

ADR/RID

3082

Inland navigation (ADN) 3082

Marine transport in accordance with

IMDG

3082

Air transport in accordance with IATA 3082

DOT Road Shipment Information (49 3082

CFR)

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14.2 UN proper shipping name

Transport by land according to ADR/RID

Environmentally hazardous substance, liquid, n.o.s. ((Z)-N-methyl-N-(oxo-9octadecenyl)glycin)

- Classification Code

- Label



- ADR LQ

- ADR 1.1.3.6 (8.6)

Transport category (tunnel restriction code) 3 (-)

Inland navigation (ADN)

Environmentally hazardous substance, liquid, n.o.s. ((Z)-N-methyl-N-(oxo-9-

octadecenyl)glycin)

- Classification Code

M6

- Label



Marine transport in accordance with

IMDG

Environmentally hazardous substance, liquid, n.o.s. ((Z)-N-methyl-N-(oxo-9octadecenyl)glycin)

- EMS F-A, S-F

- Label





- IMDG LQ

Air transport in accordance with IATA Environmentally hazardous substance, liquid, n.o.s. ((Z)-N-methyl-N-(oxo-9octadecenyl)glycin)

- Label





DOT Road Shipment Information (49 CFR)

UN/NA 3082 Environmentally hazardous substance, liquid, n.o.s. ((Z)-N-methyl-N-(oxo-9octadecenyl)glycin) 9 III

- Label





14.3 Transport hazard class(es)

Transport by land according to

ADR/RID

9

Inland navigation (ADN)

9

Marine transport in accordance with

IMDG

Air transport in accordance with IATA 9

DOT Road Shipment Information (49 9

CFR)

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14.4 Packing group

Transport by land according to Ш

ADR/RID

Inland navigation (ADN) Ш

Marine transport in accordance with

IMDG

Air transport in accordance with IATA III

DOT Road Shipment Information (49 III CFR)

14.5 Environmental hazards

Transport by land according to ADR/RID

yes

Inland navigation (ADN) yes

Marine transport in accordance with MARINE POLLUTANT

IMDG

Air transport in accordance with IATA yes

DOT Road Shipment Information (49 yes CFR)

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

No information available.

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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

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 does not contain any ingredients regulated under this list.

- SARA, 311 Serious eye damage Skin Sensitization

Acute toxicity (inhalativ)

Skin Irritation

- SARA, 313 This product does not contain any ingredients regulated under this list.

No chemical substances in this material are named on the California P65 list. - CA Proposition 65

- TSCA All chemical substances in this material are included on or exempted from listing on the TSCA

Inventory.

- FDA No information available.

American Conference of

Governmental Industrial Hygienists -

ACGIH

No component of this product present at levels greater than or equal to 0.1% is identified as a

carcinogen or potential carcino-gen by ACGIH.

Cancer IARC

International Agency for Research on No component of this product present at levels greater than or equal to 0.1% is identified as

probable, possible or confirmed human carcinogen by IARC.

National Toxicology Program - NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a

known or anticipated carcinogen by NTP.

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

Transport-regulations DOT-Classification, ADR (2019); IMDG-Code (2019, 39. Amdt.); IATA-DGR (2020)

15.2 Chemical safety assessment

For this product a chemical safety assessment has not been carried out.

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SECTION 16: Other information

16.1 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;

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16.2 Ratings

NFPA Ratings



TOP, FLAMMABILITY: 1 - Slight Hazard LEFT, HEALTH: 2 - Moderate Hazard RIGHT, REACTIVITY: 0 - Minimal Hazard BOTTOM, SPECIAL NOTICE: -

HMIS Ratings



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

PERSONAL PROTECTION:

- A Safety Glasses
- B Safety Glasses and Gloves
- C Safety Glasses, Gloves and Protection Apron
- D Face Shield, Gloves and Protection Apron
- E Safety Glasses, Gloves and Dust Respirator
- F Safety Glasses, Gloves, Protection Apron and Dust Respirator
- G Safety Glasses, Gloves and Vapor Respirator.
- H Splash Goggles, Gloves, Protection Apron and Vapor Respirator.
- I Safety Glasses, Gloves, Dust Respirator and Vapor Respirator.
- J Splash Goggles, Gloves, Protection Apron, Dust Respirator and Vapor Respirator.
- K Airline Mask or Hood, Gloves, Full Suit and Boots.
- X Personal protection rating to be supplied by user depending on use conditions

Modified position

SECTION 2 been added: Acute Tox. 4

SECTION 2 deleted: H302+H312 Harmful if swallowed or in contact with skin.

SECTION 2 been added: P261 Avoid breathing vapors/spray.

SECTION 2 been added: P280 Wear protective gloves/eye protection/face protection.

SECTION 2 deleted: P280 Wear eye protection/face protection.

SECTION 2 deleted: [x] % of the mixture consists of ingredient(s) of unknown toxicity.

SECTION 2 been added: H317 May cause an allergic skin reaction.

SECTION 2 been added: Skin Sens. 1

SECTION 2 been added: H315 Causes skin irritation.

SECTION 2 been added: Skin Irrit. 2

SECTION 2 been added: H332 Harmful if inhaled.

SECTION 2 deleted: Acute Tox. 4

SECTION 4 been added: If skin irritation or rash occurs: Get medical advice/attention.

SECTION 8 been added: In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection.

SECTION 11 been added: May cause an allergic skin reaction.

SECTION 11 been added: Irritant

SECTION 11 been added: Calculation method

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

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

SECTION 11 deleted: May cause skin irritation SECTION 11 been added: Calculation method

SECTION 12 been added: Spillages may penetrate the soil causing ground water

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SECTION 14 been added: Environmentally hazardous substance, liquid, n.o.s. ((Z)-N-methyl-N-(oxo-9-octadecenyl)glycin)

SECTION 14 deleted: not classified as "Dangerous Goods"

SECTION 14 deleted: not classified as "Dangerous Goods"

SECTION 14 been added: Environmentally hazardous substance, liquid, n.o.s. ((Z)-N-methyl-N-(oxo-9-octadecenyl)glycin)

SECTION 14 deleted: no dangerous goods

SECTION 14 been added: Environmentally hazardous substance, liquid, n.o.s. ((Z)-N-methyl-N-(oxo-9-octadecenyl)glycin)

SECTION 14 been added: Environmentally hazardous substance, liquid, n.o.s. ((Z)-N-methyl-N-(oxo-9-octadecenyl)glycin)

SECTION 14 deleted: not classified as "Dangerous Goods"

SECTION 15 been added: - SECTION 15 been added: -

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