

Trodat 7011/7012 Black

Trodat GmbH  
4600 Wels

Date printed 26.08.2021, Revision 23.07.2021

Version 04. Supersedes version: 03

Page 1 / 14

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

### 1.1 Product identifier

**Trodat 7011/7012 Black**

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

#### 1.2.1 Relevant uses

Stamp colour

#### 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

**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

**Human health dangers** Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation.

**Environmental hazards** This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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

## SECTION 3: Composition / Information on ingredients

### 3.1 Substances

not applicable

## Trodat 7011/7012 Black

Trodat GmbH  
4600 Wels

Date printed 26.08.2021, Revision 23.07.2021

Version 04. Supersedes version: 03

Page 2 / 14

**3.2 Mixtures**

The product is a mixture.

Range [%]	Substance
40 - 50	Glycerol
	CAS: 56-81-5
10 - 15	Polyethylene glycol
	CAS: 25322-68-3
1 - < 15	Carbon black
	CAS: 1333-86-4
1 - 2	2,2'-(methylimino)diethanol
	CAS: 105-59-9

**Comment on component parts**

All chemical substances in this material are included on or exempted from listing on the IECSC Inventory.  
Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%.  
For full text of H-statements: see SECTION 16.

**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**

None known.

**4.3 Indication of any immediate medical attention and special treatment needed**Treat symptomatically.  
Forward this sheet to the doctor.**SECTION 5: Fire-fighting measures****5.1 Extinguishing media****Suitable extinguishing media**Dry powder.  
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).  
Sulphur oxides (SOx).

Trodax GmbH  
4600 Wels

Date printed 26.08.2021, Revision 23.07.2021

Version 04. Supersedes version: 03

Page 3 / 14

### 5.3 Advice for firefighters

Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Keep away from all sources of ignition.

High risk of slipping due to leakage/spillage of product.

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.

Avoid contact with eyes and skin.

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

Trodax GmbH  
4600 Wels

Date printed 26.08.2021, Revision 23.07.2021

Version 04. Supersedes version: 03

Page 4 / 14

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Ingredients with occupational exposure limits to be monitored (US)

Substance
Carbon black
CAS: 1333-86-4
Long-term exposure: 3,5 mg/m <sup>3</sup> , OSHA
Glycerol
CAS: 56-81-5
Long-term exposure: 15 mg/m <sup>3</sup> , (mist) total dust

#### DNEL

Substance
Carbon black, CAS: 1333-86-4
Industrial, inhalative, Long-term - local effects, 0,5 mg/m <sup>3</sup>

#### PNEC

Substance
Carbon black, CAS: 1333-86-4
seawater, 0,1 mg/L
freshwater, 1 mg/L

### 8.2 Exposure controls

<b>Additional advice on system design</b>	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.
<b>Eye protection</b>	If there is a risk of splashing: Safety glasses. (EN 166:2001)
<b>Hand protection</b>	> 0,11 mm, Butyl rubber, >480 min (EN 374-1/-2/-3). The details concerned are recommendations. Please contact the glove supplier for further information.
<b>Skin protection</b>	light protective clothing  Avoid contact with eyes and skin. 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. 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.
<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.

Trodat GmbH  
4600 Wels

Date printed 26.08.2021, Revision 23.07.2021

Version 04. Supersedes version: 03

Page 5 / 14

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Physical state	liquid
Color	black
Odor	characteristic
Odor threshold	No information available.
pH-value	No information available.
pH-value [1%]	No information available.
Boiling point [°C]	No information available.
Flash point [°C]	> 93°C / > 199°F
Flammability [°C]	No information available.
Lower explosion limit	No information available.
Upper explosion limit	No information available.
Oxidizing properties	no
Vapor pressure/gas pressure [kPa]	No information available.
Density [g/cm <sup>3</sup> ]	No information available.
Relative density	No information available.
Bulk density [kg/m <sup>3</sup> ]	not applicable
Solubility in water	completely miscible
Solubility other solvents	No information available.
Partition coefficient [n-octanol/water]	not applicable
Kinematic viscosity	No information available.
Relative vapour density	No information available.
Evaporation speed	No information available.
Melting point [°C]	No information available.
Auto-ignition temperature	No information available.
Decomposition temperature [°C]	No information available.
Particle characteristics	not applicable

**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 normal ambient conditions (ambient temperature).

**10.3 Possibility of hazardous reactions**

Reactions with oxidizing agents.

**10.4 Conditions to avoid**

Strong heating.

**10.5 Incompatible materials**

No information available.

**Trodat GmbH**

**4600 Wels**

Date printed 26.08.2021, Revision 23.07.2021

Version 04. Supersedes version: 03

Page 6 / 14

#### **10.6 Hazardous decomposition products**

No dangerous reactions known if used as directed.

In the event of fire: See SECTION 5.

Trodar GmbH  
4600 Wels

Date printed 26.08.2021, Revision 23.07.2021

Version 04. Supersedes version: 03

Page 7 / 14

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

**Acute oral toxicity**

Product
Based on the information available, the classification criteria have not been fulfilled.
Substance
2,2'-(methylimino)diethanol, CAS: 105-59-9
LD50, oral, Rat, 4780 mg/kg (IUCLID)
Glycerol, CAS: 56-81-5
LD50, oral, Rat, 12600 mg/kg
Polyethylene glycol, CAS: 25322-68-3
LD50, oral, Rat, > 15000 mg/kg
Carbon black, CAS: 1333-86-4
LD50, oral, Rat, > 8000 mg/kg (OECD 401)

**Acute dermal toxicity**

Product
Based on the information available, the classification criteria have not been fulfilled.
Substance
2,2'-(methylimino)diethanol, CAS: 105-59-9
LD50, dermal, Rabbit, > 5990 mg/kg (IUCLID)
Glycerol, CAS: 56-81-5
LD50, dermal, Rabbit, > 10000 mg/kg
Polyethylene glycol, CAS: 25322-68-3
LD50, dermal, Rabbit, > 20000 mg/kg

**Acute inhalational toxicity**

Product
Based on the information available, the classification criteria have not been fulfilled.
Substance
Glycerol, CAS: 56-81-5
LC50, inhalative, Rat, > 570 mg/m <sup>3</sup> 1h

**Serious eye damage/irritation**

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

Substance
2,2'-(methylimino)diethanol, CAS: 105-59-9
irritant
Glycerol, CAS: 56-81-5
non-irritating
Polyethylene glycol, CAS: 25322-68-3
no adverse effect observed

**Skin corrosion/irritation**

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

Substance
-----------

Trodar 7011/7012 Black

Trodar GmbH  
4600 Wels

Date printed 26.08.2021, Revision 23.07.2021 Version 04. Supersedes version: 03 Page 8 / 14

2,2'-(methylimino)diethanol, CAS: 105-59-9
no adverse effect observed
Glycerol, CAS: 56-81-5
non-irritating
Polyethylene glycol, CAS: 25322-68-3
no adverse effect observed

**Respiratory or skin sensitisation** Based on the information available, the classification criteria have not been fulfilled.

Substance
2,2'-(methylimino)diethanol, CAS: 105-59-9
dermal, no adverse effect observed
Glycerol, CAS: 56-81-5
inhalative, no adverse effect observed
dermal, no adverse effect observed
Polyethylene glycol, CAS: 25322-68-3
no adverse effect observed

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

Substance
2,2'-(methylimino)diethanol, CAS: 105-59-9
no adverse effect observed
Polyethylene glycol, CAS: 25322-68-3
no adverse effect observed

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

Substance
2,2'-(methylimino)diethanol, CAS: 105-59-9
NOAEL, dermal, Rat, 1000 mg/kg bw/d (Effect on developmental toxicity), no adverse effect observed
NOAEL, oral, Rat, 300 mg/kg bw/d (Effect on developmental toxicity), no adverse effect observed
NOAEL, oral, Rat, 300 mg/kg bw/d (Effect on fertility), adverse effect observed
Polyethylene glycol, CAS: 25322-68-3
NOAEL, oral, Rat, 5000 mg/kg bw/d (Effect on fertility), no adverse effect observed
NOAEL, oral, Rat, 5699 mg/kg bw/d (Effect on fertility), no adverse effect observed

**Carcinogenicity** Carbon black is classified as IARC 2B. Printing inks are not classifiable as to their carcinogenicity to humans (IARC Group 3).  
Based on the information available, the classification criteria have not been fulfilled.

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

**General remarks** Toxicological data of complete product are not available.

Trodar GmbH  
4600 Wels

Date printed 26.08.2021, Revision 23.07.2021

Version 04. Supersedes version: 03

Page 9 / 14

## SECTION 12: Ecological information

### 12.1 Toxicity

Substance
2,2'-(methylimino)diethanol, CAS: 105-59-9
LC50, (96h), <i>Leuciscus idus</i> , > 1000 - 2200 mg/l (IUCLID)
EC50, (72h), <i>Scenedesmus subspicatus</i> , 37 mg/l (IUCLID)
EC50, (48h), <i>Daphnia magna</i> , 332 mg/l (IUCLID)
Glycerol, CAS: 56-81-5
LC50, (24h), fish, > 5000 mg/l
EC50, (16h), <i>Pseudomonas putida</i> , > 10000 mg/l
EC50, (24h), <i>Daphnia magna</i> , > 10000 mg/l
Polyethylene glycol, CAS: 25322-68-3
LC50, (96h), fish, 87209 mg/l
EC50, (48h), <i>Daphnia magna</i> , 53484 mg/l
Carbon black, CAS: 1333-86-4
EC50, (72h), <i>Scenedesmus subspicatus</i> , > 10000 mg/l (OECD 201)
EC50, (24h), <i>Daphnia magna</i> , > 5600 mg/l (OECD 202)
LC0, (96h), <i>Brachidanio rerio</i> , 1000 mg/l (OECD 203)

### 12.2 Persistence and degradability

<b>Behaviour in environment compartments</b>	No information available.
<b>Behaviour in sewage plant</b>	No information available.
<b>Biological degradability</b>	CAS 56-81-5: The product is readily biodegradable. CAS 25322-68-3: The product is readily biodegradable. CAS 105-59-9: The product is readily biodegradable.

### 12.3 Bioaccumulative potential

No information available.

### 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 Endocrine disrupting properties

No information available.

### 12.7 Other adverse effects

Ecological data of complete product are not available.

Trodax 7011/7012 Black

Trodax GmbH  
4600 Wels

Date printed 26.08.2021, Revision 23.07.2021

Version 04. Supersedes version: 03

Page 10 / 14

### 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 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

#### 14.2 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"

Trodax 7011/7012 Black

Trodax GmbH  
4600 Wels

Date printed 26.08.2021, Revision 23.07.2021

Version 04. Supersedes version: 03

Page 11 / 14

#### 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

Trodar 7011/7012 Black

Trodar GmbH  
4600 Wels

Date printed 26.08.2021, Revision 23.07.2021

Version 04. Supersedes version: 03

Page 12 / 14

## 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 is not classified as hazardous under SARA 302.

##### - SARA, 311

This product is not classified as hazardous under SARA 311.

##### - SARA, 313

< 1% Phenoxy ethanol (CAS 122-99-6), listed as Glycol ethers.

##### - CA Proposition 65



WARNING: This product can expose you to chemicals including "Carbon Black (airborne, unbound particles of respirable size)", which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

##### - 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

Carbon Black - A4: Not classifiable as a human carcinogen.

##### International Agency for Research on Cancer IARC

IARC: Group 2B carcinogen Carbon Black

##### 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

< 1% Phenoxy ethanol (CAS 122-99-6), listed as Glycol ethers.

##### Transport-regulations

DOT-Classification, ADR (2021); IMDG-Code (2021, 40. Amdt.); IATA-DGR (2021)

### 15.2 Chemical safety assessment

not applicable

Trodax GmbH

4600 Wels

Date printed 26.08.2021, Revision 23.07.2021

Version 04. Supersedes version: 03

Page 13 / 14

## 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;

### 16.2 Ratings

Trodax GmbH  
4600 Wels

Date printed 26.08.2021, Revision 23.07.2021

Version 04. Supersedes version: 03

Page 14 / 14

**NFPA Ratings**



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

**HMIS Ratings**

HEALTH	1*
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X

1\* - Slight chronic 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**

none



Copyright: Chemiebüro®

