

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/23/2023

Reviewed on 06/23/2023

1 Identification

- **Product identifier**
- **Trade name:** **HEINIGER TROPFOELER**
- **Application of the substance / the mixture**
Only for proper handling.
Clipping Oil
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Heiniger AG
Industrieweg 8
CH-3360 Herzogenbuchsee
Tel. +41 (0)62 956 9200
Fax: +41 (62) 956 92 81
- **Information department:** kontakt@heiniger.com
- **Emergency telephone number:**
USA + Kanada: 1 800 424 9300 (Chemtrec Chemical Manufacturers Association, Arlington, VA 22209)

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified, according to the Globally Harmonized System (GHS).

-
- **Label elements**
 - **GHS label elements** Void
 - **Hazard pictograms** Void
 - **Signal word** Void
 - **Hazard statements** Void
 - **Classification system:**
 - **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 64742-55-8 EINECS: 265-158-7 Index number: 649-468-00-3	Distillates (petroleum), hydrotreated light paraffinic Aspiration Hazard 1, H304	25-50%
CAS: 128-39-2 EINECS: 204-884-0	2,6-di-tert-butylphenol Skin Corrosion 1A, H314; Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≥0.1-<0.25%

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Additional information:

Note L: The classification as carcinogen does not apply because the mixture (or substance) contains less than 3% dimethyl sulfoxide extract (DMSO), measured according to IP 346.

4 First-aid measures

Description of first aid measures

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Remove residues with soap and water.
Remove contaminated clothing immediately.
- **After eye contact:**
Rinse opened eye for several minutes under running water.
Consult a physician if irritation develops.
- **After swallowing:**
Do not induce vomiting. Do not take in resorption stimulating agents.
Consult a physician who will decide on need and method of emptying the stomach.
- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture**
In case of fire carbon, sulphur and nitrogen oxides can be formed.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Protective Action Criteria for Chemicals**

PAC-1:

122-39-4	diphenylamine	30 mg/m ³
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PAC-2:

122-39-4	diphenylamine	180 mg/m ³
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PAC-3:

122-39-4	diphenylamine	220 mg/m ³
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Reference to other sections

- No dangerous substances are released.
- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

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7 Handling and storage

- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** Do not heat above flash point.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
The recommended storage temperature is (deg.C): $\leq 50^{\circ}\text{C}$
- **Storage class:** 10
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Additional information about design of technical systems:** No further data; see section 7.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
- **Breathing equipment:**
Not necessary if room is well-ventilated.
Respiratory protection if formation of aerosol or mist: use mask with filter type A2, A2/P2 or ABEK.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling.
- **Body protection:** Protective work clothing

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Color:** Amber colored
- **Odor:** Characteristic
- **Odor threshold:** Not determined.
- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** Undetermined.

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· Flammability (solid, gaseous):	Not applicable.
· Explosion limits:	
· Lower:	0.6 Vol %
· Upper:	7 Vol %
· Flash point:	>200 °C (>392 °F)
· Decomposition temperature:	Not determined.
· pH-value:	Not determined.
· Viscosity:	
· Kinematic:	22 mm ² /s @ 40 °C (71.6 mm ² /s @ 104 °F)
· Consistency	
· Dynamic:	Not determined.
· Solubility in / Miscibility with	
· Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Vapor pressure:	Not determined.
· Vapor pressure:	
· Density at 20 °C (68 °F):	0.862 g/cm ³ (7.193 lbs/gal) (ASTM D 4052)
· Relative density	Not determined.
· Vapor density	Not determined.

· Other information	
· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Danger of explosion:	Product does not present an explosion hazard.
· Solvent separation test	
· VOC content:	0.00 % 0.0 g/l / 0.00 lb/gal
· VOC (EU)	0.00 %
· Change in condition	
· Evaporation rate	Not determined.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.

LD/LC50 values that are relevant for classification:

64742-55-8 Distillates (petroleum), hydrotreated light paraffinic

Oral	LD50	5,000 mg/kg (rat)
	LOAEL	125 mg/kg/24h (rat)
Dermal	LD50	2,000-5,000 mg/kg (rabbit)
	NOAEL	150 mg/kg/24h (mouse)

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Inhalative		30-2,000 mg/kg/24h (rat)
		1,000 mg/kg/24h (rabbit)
	LOAEL	100 mg/kg/24h (mouse)
	LC50 / 4h	2.18-5.53 mg/l (rat)
	NOEL	220 mg/m ³ (rat)
	NOAEL	980 mg/m ³ (rat)
128-39-2 2,6-di-tert-butylphenol		
Oral	LD50	5,000 mg/kg (rat)
	NOEL	15 mg/kg/24h (rat)
	NOAEL	100 mg/kg/24h (rat)

- **on the skin:** Based on available data, the classification criteria are not met.
- **on the eye:** Based on available data, the classification criteria are not met.
- **Sensitization:** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **Specific target organ toxicity - single exposure**
Based on available data, the classification criteria are not met.
- **Specific target organ toxicity - repeated exposure**
Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

122-39-4 diphenylamine

2B

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

64742-55-8 Distillates (petroleum), hydrotreated light paraffinic

LL50	10,000 mg/l/96h (aquatic invertebrates)
	100 mg/l/96h (fish)
	>100 mg/l/96h (Pimephales promelas) (OECD 203)
LL50	10,000 mg/l/72h (aquatic invertebrates)
LL50	10,000 mg/l/48h (aquatic invertebrates)
EL50	10,000 mg/l/48h (aquatic invertebrates)
NOEL	>100 mg/l/72h (Pseudokirchnerella subcapitata) (OECD 201)

128-39-2 2,6-di-tert-butylphenol

LC50	1.4 mg/l/96h (fish)
LC50	0.23 mg/l/21d (aquatic invertebrates)
LC50	0.45 mg/l/48h (aquatic invertebrates)
LC50	1 mg/l/14d (fish)
LC50	1.1 mg/l/7d (fish)
LC50	0.59 mg/l/24h (aquatic invertebrates)

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EC50	1.7-2.3 mg/l/24h (algae / cyanobacteria)
EC50	1.2-3.9 mg/l/96h (algae / cyanobacteria)
EC50	1.4-3.6 mg/l/72h (algae / cyanobacteria)
EC50	0.14 mg/l/21d (aquatic invertebrates)
EC50	1.7-3.5 mg/l/48h (algae / cyanobacteria)
NOEC	0.035 mg/l/21d (aquatic invertebrates)
NOEC	0.64-2.1 mg/l/96h (algae / cyanobacteria)
NOEC	0.3 mg/l/14d (fish)
LOEC	0.086 mg/kg/28d (aquatic invertebrates)

· **Persistence and degradability** No further relevant information available.

· **Bioaccumulative potential**

64742-55-8 Distillates (petroleum), hydrotreated light paraffinic

Partition coefficient	>3.5 [---] (log Kow) (Bioaccumulation)
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128-39-2 2,6-di-tert-butylphenol

Partition coefficient	4.48-4.92 [---] (log Kow) (Bioaccumulation)
Biologische Abbaubarkeit	<50 % (28d) (Biodegradability) (BIOWIN v4.10)

· **Mobility in soil** No further relevant information available.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects**

· **Additional ecological information:**

· **General notes:**

Water hazard class 1 (according to Appendix 1 AwSV): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Contact waste processors for recycling information.

Return product and/or partially emptied container in original packaging to the point of sale or hand it over to a collection point for special waste.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **UN-Number**

· **DOT, ADR/RID/ADN, ADN, IMDG, IATA** Void

· **UN proper shipping name**

· **DOT, ADR/RID/ADN, ADN, IMDG, IATA** Void

· **Transport hazard class(es)**

· **DOT, ADR/RID/ADN, ADN, IMDG, IATA**

· **Class** Void

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- | | |
|--|-----------------|
| · Packing group | |
| · DOT, ADR/RID/ADN, IMDG, IATA | Void |
| · Environmental hazards: | |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | Void |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.
- **Sara**

· Section 355 (extremely hazardous substances):
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None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):
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122-39-4 | diphenylamine

· TSCA (Toxic Substances Control Act):

64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic	ACTIVE
64742-55-8	Distillates (petroleum), hydrotreated light paraffinic	ACTIVE
128-39-2	2,6-di-tert-butylphenol	ACTIVE
10254-57-6	Methylene-bis-(dibutyldithiocarbamate)	ACTIVE
8042-47-5	White mineral oil (petroleum)	ACTIVE
80939-62-4	Amine, C11-14-branched alkyl, Monoxy and dibutyl phosphate	ACTIVE
122-39-4	diphenylamine	ACTIVE

· Hazardous Air Pollutants

None of the ingredients is listed.

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:
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None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:
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None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Carcinogenic categories

· EPA (Environmental Protection Agency)
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None of the ingredients is listed.

· TLV (Threshold Limit Value)

122-39-4 | diphenylamine A4

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

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· **Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

The classification of the mixture was carried out by calculation in accordance with the rules laid down in Annex I of Regulation (EC) No 1272/2008.

No special training instructions to ensure protection of human health and environment are required.

· **Date of preparation / last revision** 06/23/2023

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Skin Corrosion 1A: Skin corrosion/irritation – Category 1A

Aspiration Hazard 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

· * **Data compared to the previous version altered.**