

Trade name: Carbonis detergens tinct

Substance number: 251601

Version: 4 / CH

Date revised: 14.04.2021

Replaces Version: 3 / CH

Print date: 14.04.21

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

1.1. Product identifier

Carbonis detergens tinct

Item No. 25160100

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

Use of the substance/preparation

Active pharmaceutical substance, Medicinal product

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible

for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

| | |
|-------------------|--------|
| Flam. Liq. 2 | H225 |
| Skin Sens. 1 | H317 |
| Muta. 1B | H340 |
| Carc. 1A | H350 |
| Repr. 1B | H360FD |
| Aquatic Chronic 3 | H412 |

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms ***



Signal word

Danger

Hazard statements ***

H225 Highly flammable liquid and vapour.

H317 May cause an allergic skin reaction.

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H340 May cause genetic defects.
 H350 May cause cancer.
 H360FD May damage fertility. May damage the unborn child.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements ***

P201 Obtain special instructions before use.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P308+P313 IF exposed or concerned: Get medicinal advice/attention.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains *** Tar, coal, high-temp.

Supplemental information**Further supplemental information *****

Restricted to professional users

Other information ***

Not for supply to the general public in Switzerland

SECTION 3: Composition/information on ingredients *****Hazardous ingredients *******Tar, coal, high-temp.**

| | | | | | |
|--|-------------------|---|----|--|------|
| CAS No. | 65996-89-6 | | | | |
| EINECS no. | 266-024-0 | | | | |
| Registration no. | EXCEMPT | | | | |
| Concentration | >= 10 | < | 25 | | % |
| Classification (Regulation (EC) No. 1272/2008) | Skin Sens. 1 | | | | H317 |
| | Muta. 1B | | | | H340 |
| | Repr. 1B | | | | H360 |
| | Aquatic Chronic 2 | | | | H411 |
| | Carc. 1A | | | | H350 |

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note H

Further ingredients *****ethanol**

| | | | | | |
|--|--------------|----|----|--|------|
| CAS No. | 64-17-5 | | | | |
| EINECS no. | 200-578-6 | | | | |
| Concentration | | >= | 50 | | % |
| Advice: [4] | | | | | |
| Classification (Regulation (EC) No. 1272/2008) | Flam. Liq. 2 | | | | H225 |

water

| | | | | | |
|---------------|-----------|---|----|--|---|
| CAS No. | 7732-18-5 | | | | |
| EINECS no. | 231-791-2 | | | | |
| Concentration | >= 25 | < | 50 | | % |
| Advice: [4] | | | | | |

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methanol

CAS No. 67-56-1
EINECS no. 200-659-6
Registration no. 01-2119433307-44-XXXX
Concentration < 1 %
Advice: [4]
Classification (Regulation (EC) No. 1272/2008)

| | |
|--------------|------|
| Flam. Liq. 2 | H225 |
| Acute Tox. 3 | H301 |
| Acute Tox. 3 | H311 |
| Acute Tox. 3 | H331 |
| STOT SE 1 | H370 |

Concentration limits (Regulation (EC) No. 1272/2008)

| | | |
|-----------|------|-----------|
| STOT SE 1 | H370 | >= 10 |
| STOT SE 2 | H371 | >= 3 < 10 |

Note

[4] Voluntary information

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

If you feel unwell, seek medical advice (show the label where possible). Take off contaminated clothing and shoes immediately.

After inhalation

Ensure supply of fresh air. Seek medical advice immediately.

After skin contact

Wash immediately with plenty of water for several minutes. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an oculist.

After ingestion

Let plenty of water be drunk in small gulps. Administer activated charcoal. If swallowed, seek medical advice immediately and show this container or label.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Extinguishing measures to suit surroundings, Water spray jet, Carbon dioxide, Foam, Dry chemical extinguisher

5.2. Special hazards arising from the substance or mixture

Development of toxic gases; The product is combustible.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation. Remove persons to safety. Keep away sources of ignition.

6.2. Environmental precautions

Do not discharge into surface waters/groundwater. Advise water authority if spillage has entered water course or drainage system.

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6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder). Send in suitable containers for recovery or disposal.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Keep away from heat and sources of ignition.

7.2. Conditions for safe storage, including any incompatibilities**Storage classes**

| | | |
|-------------------------------------|---|------------------|
| Storage class according to TRGS 510 | 3 | Flammable liquid |
| Storage category (Switzerland) | 3 | Flammable liquid |

Further information on storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place.

SECTION 8: Exposure controls/personal protection *****8.1. Control parameters****Exposure limit values *******ethanol**

| | | | | |
|---------------------------|------|-------------------|------|--------|
| List | SUVA | | | |
| Type | MAK | | | |
| Value | 960 | mg/m ³ | 500 | ppm(V) |
| Short term exposure limit | 1920 | mg/m ³ | 1000 | ppm(V) |

Pregnancy group: S; Remarks: SSc; OAW, FormalKT HU; INRS, NIOSH

8.2. Exposure controls**Respiratory protection**

necessary; Do not breathe vapours, dust or aerosol. Provide adequate ventilation.

Hand protection

Protective gloves

Eye protection

Safety glasses with side protection shield

Body protection

Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Initial boiling point and boiling range**

| | | |
|--------|-----------------|----|
| Value | > 78 | °C |
| Source | Estimated value | |

Flash point

| | | | | |
|--------|-----------------|----|----|----|
| Value | appr. 21 | to | 22 | °C |
| Source | Estimated value | | | |

Vapour pressure

| | | |
|--------|-----------------|-----|
| Value | < 5.8 | kPa |
| Source | Estimated value | |

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Density

| | |
|---------|--|
| Value | 0.904 |
| Remarks | Relative Density according specification |

SECTION 10: Stability and reactivity**10.4. Conditions to avoid**

Keep away from sources of heat and ignition.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity (Components)****ethanol**

| | | | |
|---------|--|------|-------|
| Species | rat | | |
| LD50 | | 7060 | mg/kg |
| Source | Toxicology and Applied Pharmacology. Vol. 16, Pg. 718, 1970. | | |

ethanol

| | | | |
|---------|-----|-------|-------|
| Species | rat | | |
| LD50 | | 10470 | mg/kg |

Tar, coal, high-temp.

| | | | |
|---------|-----|------|-------|
| Species | rat | | |
| LD50 | > | 2000 | mg/kg |

methanol

| | | | |
|---------|-------|-----|-------|
| Species | Human | | |
| LDLo | | 143 | mg/kg |
| Source | RTECS | | |

Acute dermal toxicity (Components)**ethanol**

| | | | |
|---------|--------|-------|-------|
| Species | rabbit | | |
| LD50 | | 15800 | mg/kg |

methanol

| | | | |
|---------|------------------------------|-------|-------|
| Species | rabbit | | |
| LD50 | | 17100 | mg/kg |
| Source | Merck KGaA Safety Data Sheet | | |

Acute inhalative toxicity (Components)**ethanol**

| | | | |
|----------------------|--------|-------|-------------------|
| Species | rat | | |
| LC50 | | 30000 | mg/m ³ |
| Duration of exposure | | 4 | h |
| Administration/Form | Vapors | | |

methanol

| | | | |
|----------------------|--------|--------|------|
| Species | rat | | |
| LC50 | | 131.25 | mg/l |
| Duration of exposure | | 4 | h |
| Administration/Form | Vapors | | |
| Source | ECHA | | |

Skin corrosion/irritation

| | |
|---------|---|
| Remarks | Irritating effects on the skin and mucous membrane. |
|---------|---|

Skin corrosion/irritation (Components)**ethanol**

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evaluation non-irritant

methanol

Species rabbit
Remarks No effect of irritation known.
Source ECHA

methanol

Remarks Repeated and prolonged skin contact may lead to defatting and irritation of the skin.

Serious eye damage/irritation

Remarks Irritates the eyes.

Serious eye damage/irritation (Components)**ethanol**

evaluation irritant

methanol

Species rabbit
Method OECD 405
Remarks None

Sensitization (Components)**Tar, coal, high-temp.**

Remarks May cause sensitization by skin contact.

Tar, coal, high-temp.

evaluation May cause allergic skin reactions.

methanol

Species guinea pig
Method OECD 406
Remarks No sensitization effect known.
Source Maximierungstest (GMPT)

Subacute, subchronic, chronic toxicity (Components)**methanol**

Remarks No data available.

methanol

NOAEL

Mutagenicity (Components)**ethanol**

evaluation No mutagenicity in the Ames-test.

Tar, coal, high-temp.

evaluation May cause genetic defects.

methanol

Species Salmonella typhimurium
evaluation No mutagenicity in the Ames-test.
Method OECD 471
Remarks negative

methanol

Remarks negative on animals

Reproduction toxicity (Components)**Tar, coal, high-temp.**

evaluation May damage the unborn child.

methanol

Species Rats (male/female)
Dose 1.33 mg/l

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evaluation No negative effects
Source Safety Data Sheet Supplier

Carcinogenicity

Remarks May cause cancer.

Carcinogenicity (Components)**Tar, coal, high-temp.**

evaluation Can cause cancer.

methanol

Remarks negative on animals

Specific Target Organ Toxicity (STOT) (Components)**methanol****Single exposure**

evaluation Causes damage to organs.
Route of exposure oral
Organs: Eyes
Species Human

methanol

Route of exposure inhalative
Species rat
NOAEL 0.13 mg/l
Duration of exposure 365 d
Method OECD 453
Source Merck KGaA Safety Data Sheet

methanol

Route of exposure inhalative
Species Rats (male/female)
LOAEL 1.3 mg/l
Duration of exposure 365 d
Method OECD 453
Source Merck KGaA Safety Data Sheet

Experience in practice

May be harmful by inhalation, ingestion, skin adsorption.

Other information

By appropriate use of the product no health damage is known.

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity (Components)****Tar, coal, high-temp.**

Species zebra fish (Brachydanio rerio)
LL50 > 250 mg/l

methanol

Species Bluegill (Lepomis macrochirus)
LC50 15400 mg/l
Duration of exposure 96 h
Source (EPA 600/3-75/009)

Daphnia toxicity (Components)**Tar, coal, high-temp.**

Species Daphnia magna

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| | | | |
|----------------------|-----|---|------|
| EL50 | 2.8 | | mg/l |
| Duration of exposure | 48 | h | |

methanol

| | | | |
|----------------------|---------------|---|------|
| Species | Daphnia magna | | |
| EC50 | > 10000 | | mg/l |
| Duration of exposure | 48 | h | |
| Source | IUCLID | | |

methanol

| | | | |
|----------------------|---------------|---|------|
| Species | Daphnia magna | | |
| EC50 | > 1000 | | mg/l |
| Duration of exposure | 48 | h | |
| Method | OECD 202 | | |

Algae toxicity (Components)**Tar, coal, high-temp.**

| | | | |
|----------------------|----|---|------|
| EL50 | 36 | | mg/l |
| Duration of exposure | 72 | h | |

methanol

| | | | |
|----------------------|---------------------------------|---|------|
| Species | Pseudokirchneriella subcapitata | | |
| EC50 | 22000 | | mg/l |
| Duration of exposure | 96 | h | |
| Method | OECD 201 | | |
| Source | Merck KGaA Safety Data Sheet | | |

Bacteria toxicity (Components)**methanol**

| | | | |
|----------------------|------------------------------|---|------|
| Species | activated sludge | | |
| IC50 | > 1000 | | mg/l |
| Duration of exposure | 3 | h | |
| Method | OECD 209 | | |
| Source | Merck KGaA Safety Data Sheet | | |

12.2. Persistence and degradability**Biodegradability (Components)****ethanol**

| | |
|------------|-----------------------|
| evaluation | Readily biodegradable |
|------------|-----------------------|

Tar, coal, high-temp.

| | |
|------------|----------------|
| evaluation | not degradable |
|------------|----------------|

Ready degradability (Components)**methanol**

| | | | |
|------------------|------------------------------|---|---|
| Value | 99 | | % |
| Duration of test | 30 | d | |
| Method | OECD 301D | | |
| Source | Merck KGaA Safety Data Sheet | | |

methanol

| | | | |
|------------------|----------------------------|---|---|
| Value | 95 | | % |
| Duration of test | 20 | d | |
| Source | Safety Data Sheet Supplier | | |

Chemical oxygen demand (COD) (Components)**ethanol**

| | | | | |
|-------|------|----|------|------|
| Value | 0.93 | to | 1.67 | mg/g |
|-------|------|----|------|------|

methanol

| | | | | |
|-------|------|--|--|------|
| Value | 1.42 | | | mg/g |
|-------|------|--|--|------|

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Source IUCLID

Biochemical oxygen demand (BOD5) (Components)**methanol**

Value 600 to 1120 mg/g

Duration of test 5 d

Source IUCLID

12.3. Bioaccumulative potential**Octanol/water partition coefficient (log Pow) (Components)****methanol**

log Pow -0.77

Bioconcentration factor (BCF) (Components)**ethanol**

BCF 0.66

methanol

BCF < 10

12.4. Mobility in soil**Mobility in soil (Components)****Tar, coal, high-temp.**

Immobile

12.6. Other adverse effects**General information / ecology**

Do not allow to enter soil, waterways or waste water canal.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Dispose of as unused product.

SECTION 14: Transport information ***

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| | Land transport ADR/RID *** | Marine transport IMDG/GGVSee *** | Air transport ICAO/IATA *** |
|----------------------------------|---|--|---|
| Tunnel restriction code | D/E | | |
| 14.1. UN number | 1993 | 1993 | 1993 |
| 14.2. UN proper shipping name | FLAMMABLE LIQUID, N.O.S. (ethanol) | FLAMMABLE LIQUID, N.O.S. (ethanol) | FLAMMABLE LIQUID, N.O.S. (ethanol) |
| 14.3. Transport hazard class(es) | 3 | 3 | 3 |
| Label |  |  |  |
| 14.4. Packing group | II | II | II |
| Special provision | 640D | | |
| Limited Quantity | 1 I | | |
| Transport category | 2 | | |

SECTION 15: Regulatory information ***

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

Water Hazard Class (Germany) ***

Water Hazard Class (Germany) WGK 3

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

SECTION 16: Other information

Hazard statements listed in Chapter 3

H317 May cause an allergic skin reaction.
 H340 May cause genetic defects.
 H350 May cause cancer.
 H360 May damage fertility or the unborn child.
 H411 Toxic to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Aquatic Chronic 2 Hazardous to the aquatic environment, chronic, Category 2
 Carc. 1A Carcinogenicity, Category 1A
 Muta. 1B Germ cell mutagenicity, Category 1B
 Repr. 1B Reproductive toxicity, Category 1B
 Skin Sens. 1 Skin sensitization, Category 1

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
 This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.

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