

Trade name: Uvinul T150

Substance number: 273000

Version: 4 / CH

Date revised: 20.02.2024

Replaces Version: 3 / CH

Print date: 20.02.24

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

1.1. Product identifier

Uvinul T150

Item No. 27300000

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

Use of the substance/preparation

Component of cosmetic products

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)

Aquatic Chronic 4 H413

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 statements

H413 May cause long lasting harmful effects to aquatic life.

Precautionary statements ***

P273 Avoid release to the environment.

P501.3 Disposal in compliance with local and national regulations.

2.3. Other hazards

Dust can form an explosive mixture with air.

The Substance does not meet PBT-criteria. This substance does not meet the vPvB-criteria. This substance does not have endocrine disrupting properties with respect to humans. This substance does not have endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients ***

Hazardous ingredients ***

tris(2-ethylhexyl)-4,4',4''-(1,3,5-triazine-2,4,6-triyltriiimino)tribenzoate

CAS No. 88122-99-0

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EINECS no. 402-070-1
Registration no. 01-0000015187-69-0000
Concentration \geq 50 %
Classification (Regulation (EC) No. 1272/2008)
Aquatic Chronic 4 H413

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove affected person from danger area. Adhere to personal protective measures when giving first aid. Remove contaminated clothing immediately and dispose of safely. If the patient is likely to become unconscious, place and transport in stable sideways position. In any case show the physician the Safety Data Sheet.

After inhalation

Ensure supply of fresh air. Keep warm and at rest. Summon a doctor immediately.

After skin contact

Wash off immediately with soap and water.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.).

After ingestion

Rinse out mouth and give plenty of water to drink.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Dry powder, Water, Foam

5.2. Special hazards arising from the substance or mixture

Carbon monoxide (CO); Carbon dioxide (CO₂); Nitrogen oxides (NO_x)

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus.

Other information

Cool endangered containers with water spray jet. Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting 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

Avoid dust formation. Use personal protective clothing.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

For small amounts: take up with appropriate instrument and dispose. For large amounts: take up with appropriate instrument and dispose.

Trade name: Uvinul T150

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Use breathing apparatus when transferring large quantities without exhaust ventilation facilities.

Advice on protection against fire and explosion

Avoid dust formation. Take action to prevent static discharges. Keep away from sources of heat and ignition. Procure extinguisher

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

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

Storage classes

Storage class according to TRGS 510	11	Combustible solids
Storage category (Switzerland)	11/13	Other solid hazardous substances with classification/labelling hazardous

SECTION 8: Exposure controls/personal protection ***

8.2. Exposure controls

General protective and hygiene measures

Avoid contact with skin. Avoid contact with eyes. Remove contaminated, soaked clothing immediately and dispose of safely. Observe the usual precautions for handling chemicals. Keep away from food-stuffs, beverages and feed-stocks. At work do not eat, drink, smoke or take drugs. Store work clothing separately.

Respiratory protection

Breathing apparatus in the event of aerosol. Breathing apparatus in the event of vapours. Particle filter P1; FFP1 (EN 149)

Hand protection ***

The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

Appropriate Material	nitrile rubber - NBR
Material thickness	0.4 mm
Breakthrough time	> 480 min
Appropriate Material	Butyl rubber - Butyl
Material thickness	0.7 mm
Breakthrough time	> 480 min

Hand protection must comply with EN 374.

Eye protection

Safety glasses with side protection shield; Eye protection must comply with EN 166.

Body protection

apron; Boots; Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties ***

9.1. Information on basic physical and chemical properties

Physical state	Powder
Colour	white to light yellow
Odour	slight, original odour

Trade name: Uvinul T150

Substance number: 273000

Version: 4 / CH

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Melting point

Value appr. 129 °C

Upper and lower explosive limits

Lower explosion limit 1.2 to 8.4 %(V)

Flash point

Value 307 °C

Method DIN ISO 2592

Ignition temperature

Value 420 °C

Decomposition temperature

Remarks No decomposition if used as prescribed.

Viscosity ***

Remarks Not applicable

Partition coefficient n-octanol/water (log value)

log Pow > 7

Temperature 20 °C

Method EEC 84/449 A.8

Vapour pressureValue < 0.00000 hPa
06

Temperature 20 °C

Method 92/69/EEC, A.4

Density and/or relative densityValue 1.10 g/cm³

Temperature 25 °C

9.2. Other information**Solubility in water**

Value < 0.001 mg/l

Temperature 20 °C

Method OECD 105

Auto-ignition temperature

Value > 400 °C

Method 92/69/EWG, A.16

Explosive properties

evaluation no

Oxidising properties

evaluation Not oxidising

Bulk densityValue appr. 500 to 550 kg/m³

Temperature 20 °C

SECTION 10: Stability and reactivity**10.1. Reactivity**

No decomposition if stored and applied as directed.

10.2. Chemical stability

No decomposition if stored and applied as directed.

Trade name: Uvinul T150

Substance number: 273000

Version: 4 / CH

Date revised: 20.02.2024

Replaces Version: 3 / CH

Print date: 20.02.24

10.3. Possibility of hazardous reactions

danger of dust explosion

10.4. Conditions to avoid

Keep away from sources of heat and ignition. Sparks. Flames. Stable under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

No hazardous decomposition products known when handled according to prescribed instructions.

SECTION 11: Toxicological information *****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity (Components)****tris(2-ethylhexyl)-4,4',4''-(1,3,5-triazine-2,4,6-triyltriimino)tribenzoate**

Species	rat	
LD50	> 5000	mg/kg
Method	OECD 401	

Acute dermal toxicity (Components)**tris(2-ethylhexyl)-4,4',4''-(1,3,5-triazine-2,4,6-triyltriimino)tribenzoate**

Species	rat	
LD50	> 2000	mg/kg
Method	OECD 402	

Skin corrosion/irritation (Components)**tris(2-ethylhexyl)-4,4',4''-(1,3,5-triazine-2,4,6-triyltriimino)tribenzoate**

evaluation	non-irritant
Method	OECD 404

Serious eye damage/irritation (Components)**tris(2-ethylhexyl)-4,4',4''-(1,3,5-triazine-2,4,6-triyltriimino)tribenzoate**

evaluation	non-irritant
Method	OECD 405

Sensitization (Components)**tris(2-ethylhexyl)-4,4',4''-(1,3,5-triazine-2,4,6-triyltriimino)tribenzoate**

Species	guinea pig
evaluation	non-sensitizing
Method	OECD 406

Mutagenicity (Components)**tris(2-ethylhexyl)-4,4',4''-(1,3,5-triazine-2,4,6-triyltriimino)tribenzoate**

evaluation	No experimental information on genotoxicity in vitro available.
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tris(2-ethylhexyl)-4,4',4''-(1,3,5-triazine-2,4,6-triyltriimino)tribenzoate

evaluation	No experimental indications on genotoxicity in vivo found.
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Reproduction toxicity (Components)**tris(2-ethylhexyl)-4,4',4''-(1,3,5-triazine-2,4,6-triyltriimino)tribenzoate**

evaluation	Based on available data, the classification criteria are not met.
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Carcinogenicity (Components)**tris(2-ethylhexyl)-4,4',4''-(1,3,5-triazine-2,4,6-triyltriimino)tribenzoate**

Remarks	No data available
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Trade name: Uvinul T150

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Specific Target Organ Toxicity (STOT) (Components)**tris(2-ethylhexyl)-4,4',4''-(1,3,5-triazine-2,4,6-triyltriimino)tribenzoate**

Remarks Based on available data, the classification criteria are not met.

11.2 Information on other hazards**Endocrine disrupting properties with respect to humans**

This substance does not have endocrine disrupting properties with respect to humans.

SECTION 12: Ecological information *****12.1. Toxicity****Fish toxicity (Components)****tris(2-ethylhexyl)-4,4',4''-(1,3,5-triazine-2,4,6-triyltriimino)tribenzoate**

Species	zebra fish (Brachydanio rerio)	
LC50	> 1000	mg/l
Method	OECD 203	

Daphnia toxicity (Components)**tris(2-ethylhexyl)-4,4',4''-(1,3,5-triazine-2,4,6-triyltriimino)tribenzoate**

Species	Daphnia magna	
EC50	> 500	mg/l
Remarks	The details of the toxic effect relate to the nominal concentration.	

Bacteria toxicity (Components)**tris(2-ethylhexyl)-4,4',4''-(1,3,5-triazine-2,4,6-triyltriimino)tribenzoate**

Species	activated sludge	
EC50	> 10000	mg/l
Duration of exposure	16	h
Method	DIN 38412 Part 8	
Remarks	The details of the toxic effect relate to the nominal concentration.	

12.2. Persistence and degradability**Biodegradability**

Remarks The product is not readily biodegradable according to OECD criteria but is inherently biodegradable.

Remarks The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.

Remarks The product is only slightly biodegradable in view of the desired stability.

Biodegradability (Components)**tris(2-ethylhexyl)-4,4',4''-(1,3,5-triazine-2,4,6-triyltriimino)tribenzoate**

evaluation Slightly biodegradable

12.3. Bioaccumulative potential**Partition coefficient n-octanol/water (log value)**

log Pow	> 7	
Temperature	20	°C
Method	EEC 84/449 A.8	

Octanol/water partition coefficient (log Pow) (Components)**tris(2-ethylhexyl)-4,4',4''-(1,3,5-triazine-2,4,6-triyltriimino)tribenzoate**

Remarks Not relevant

12.4. Mobility in soil**Mobility in soil (Components)**

Trade name: Uvinul T150

Substance number: 273000

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Replaces Version: 3 / CH

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tris(2-ethylhexyl)-4,4',4''-(1,3,5-triazine-2,4,6-triyltriimino)tribenzoate
Adsorbs on soil.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment ***

The Substance does not meet PBT-criteria.

This substance does not meet the vPvB-criteria.

12.6 Endocrine disrupting properties

Endocrine disrupting properties with respect to the environment

This substance does not have endocrine disrupting properties with respect to non-target organisms.

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

Disposal in compliance with local and national regulations.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

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 1

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

SECTION 16: Other information

Hazard statements listed in Chapter 3

H413 May cause long lasting harmful effects to aquatic life.

CLP categories listed in Chapter 3

Aquatic Chronic 4 Hazardous to the aquatic environment, chronic, Category 4

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.