

# SAFETY DATA SHEET

In accordance with UN GHS latest edition

Product: Oxane 50% TEC (Firmenich) SDS-10770

Version:

## Section 1. Identification of the substance or the mixture and of the supplier

**1.1 Product Identifier** 

Product identifier: Oxane 50% TEC (Firmenich) SDS-10770(Contains:Triethyl citrate, cis-2-Methyl-4-propyl-1,3oxathiane)

Other identifiers: None

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

Product uses: Fragrances

## 1.3 Details of the supplier of the safety data sheet

Company name:	Perfumer's Apprentice
Company address:	170 Technology Circle Scotts Valley CA 95066 USA
Contact:	Elisabeth Hanson
E-Mail address:	regulatory@perfumersapprentice.com
Company phone:	(831)316-7137
1.4 Emergency telepho	one number
Emergency phone:	ChemTel:1(800)255-3924, 01(813)248-0585 MIS6760377

## Section 2. Hazards identification

## 2.1 Classification of the substance or mixture

	Flammable Liquid, Hazard Category 4
danger:	Acute Toxicity - Oral Category 5
	Eye Damage / Irritation Category 2B
	Specific Target Organ Toxicity (Single Exposure) Category 3
	Hazardous to the Aquatic Environment - Acute Hazard Category 3
	Hazardous to the Aquatic Environment - Long-term Hazard Category 3
	H227, Combustible liquid.
	H303, May be harmful if swallowed.
	H320, Causes eye irritation.
	H336, May cause drowsiness or dizziness.
	H402, Harmful to aquatic life.
	H412, Harmful to aquatic life with long lasting effects.
2.2 Label elements	
Signal word:	Warning
Hazard statements:	H227, Combustible liquid.
	H303, May be harmful if swallowed.



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	H336, May cause drowsiness or dizziness. H402, Harmful to aquatic life. H412, Harmful to aquatic life with long lasting effects.
Precautionary statements:	<ul> <li>P210, Keep away from heat, sparks, open flames and hot surfaces No smoking.</li> <li>P261, Avoid breathing vapour or dust.</li> <li>P264, Wash hands and other contacted skin thoroughly after handling.</li> <li>P271, Use only outdoors or in a well-ventilated area.</li> <li>P273, Avoid release to the environment.</li> <li>P280, Wear protective gloves/eye protection/face protection.</li> <li>P304/340, IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.</li> <li>P305/351/338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P312, Call a POISON CENTRE or doctor/physician if you feel unwell.</li> <li>P337/313, If eye irritation persists: Get medical advice/attention.</li> <li>P403/233/235, Store in a well-ventilated place. Keep container tightly closed. Keep cool.</li> <li>P405, Store locked up.</li> <li>P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.</li> </ul>
Pictograms:	

2.3 Other hazardsOther hazards:Hydrocarbon Concentration %: 0.0000%

## Section 3. Composition / information on ingredients

## 3.2 Mixtures

## **Contains:**

Name	CAS	%	GHS Classification
Triethyl citrate	77-93-0	50.00%	Acute Tox. 5;H303
cis-2-Methyl-4-propyl-1,3- oxathiane	59323-76-1		Flam. Liq. 4-Acute Tox. 5-Eye Irrit. 2B-Aquatic Acute 3- Aquatic Chronic 3;H227-H303-H320-H412

Substances with workplace exposure limits, not listed above:

Not Applicable



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## Section 4. First-aid measures

#### 4.1 Description of first aid measures

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 Inhalation:
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

 Fire expression
 IF IN FXED. Dimensional point is the point of t

**Eye exposure:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Skin exposure:** Remove contaminated clothes. Wash thoroughly with soap and water. Contact physician if irritation persists.

Ingestion: Rinse mouth with water and obtain medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

May be harmful if swallowed.

Causes eye irritation.

May cause drowsiness or dizziness.

4.3 Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information.

## Section 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

# 5.2 Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

## 5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

## Section 6. Accidental release measures

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

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

## 6.2 Environmental precautions:

Keep away from drains, surface and ground water, and soil.

## 6.3 Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

#### 6.4 Reference to other sections:

Also refer to sections 8 and 13.



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## Section 7. Handling and storage

#### 7.1 Precautions for safe handling:

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Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation Do not eat, drink or smoke when using this product.

#### 7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool.

### 7.3 Specific end use(s):

Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.

### Section 8. Exposure controls/personal protection

#### 8.1 Control parameters

Workplace exposure limits: Not Applicable

### **8.2 Exposure Controls**

## Eye / Skin Protection

Wear protective gloves/eye protection/face protection

## **Respiratory Protection**

Ensure adequate and ongoing ventilation is maintained in order to prevent build up of excessive vapour and to ensure occupational exposure limits are adhered to. If appropriate, and depending on your patterns and volumes of use, the following engineering controls may be required as additional protective measures: a) Isolate mixing rooms and other areas where this material is used or openly handled. Maintain these areas under negative air pressure relative to the rest of the plant. b) Employ the use of Personal protective equipment - an approved, properly fitted respirator with organic vapour cartridges or canisters and particulate filters. c) Use local exhaust ventilation around open tanks and other open sources of potential exposures in order to avoid excessive inhalation, including places where this material is openly weighed or measured. In addition, use general dilution ventilation of the work area to eliminate or reduce possible worker exposures. d) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

#### Section 9. Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Appearance:	Not determined
Odour:	Not determined
Odour threshold:	Not determined
pH:	Not determined
Melting point / freezing point:	Not determined
Initial boiling point / range:	Not determined
Flash point:	73.9 °C
Evaporation rate:	Not determined



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Flammability (solid, gas):	Not determined
Upper/lower flammability or explosive limits:	Product does not present an explosion hazard
Vapour pressure:	Not determined
Vapour density:	Not determined
Relative density:	Not determined
Solubility(ies):	Not determined
Partition coefficient: n-octanol/water:	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not determined
Explosive properties:	Not expected
Oxidising properties:	Not expected
9.2 Other information:	None available

## Section 10. Stability and reactivity

#### 10.1 Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

#### 10.2 Chemical stability:

Good stability under normal storage conditions.

## 10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

#### 10.4 Conditions to avoid:

Avoid extreme heat.

#### 10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

### 10.6 Hazardous decomposition products:

Not expected.

### Section 11. Toxicological information

### 11.1 Information on toxicological effects

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in UN GHS.

Acute Toxicity - Oral Category 5
2500
Not Applicable
Not Available



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Skin corrosion/irritation:	Based on available data the classification criteria are not met.
Serious eye damage/irritation:	Eye Damage / Irritation Category 2B
Respiratory or skin sensitisation:	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.
STOT-single exposure:	Specific Target Organ Toxicity (Single Exposure) Category 3
STOT-repeated exposure:	Based on available data the classification criteria are not met.
Aspiration hazard:	Based on available data the classification criteria are not met.

#### Information about hazardous ingredients in the mixture

Ingredient	CAS	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation	LC50 Route
Triethyl citrate	77-93-0	2500	Not available	Not available	Not available
cis-2-Methyl-4-propyl- 1,3-oxathiane	59323-76-1	2500	Not available	Not available	Not available

Refer to Sections 2 and 3 for additional information.

## Section 12. Ecological information

#### 12.1 Toxicity:

Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability:	Not available
12.3 Bioaccumulative potential:	Not available
12.4 Mobility in soil:	Not available
12.5 Other adverse effects:	Not available

## Section 13. Disposal considerations

## 13.1 Waste treatment methods:

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## Section 14. Transport information

	14.1 UN number:		14.3 Transport hazard class (es):		14.4 Packing Group:
DOT NON-BULK	Not classified	-	-	-	-



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IMDG	Not classified	-	-	-	-
ADR,RID,ADN	Not classified	-	-	-	-
ICAO TI	Not classified	-	-	-	-

#### 14.5 Environmental hazards:

1

Not environmentally hazardous for transport

14.6 Special precautions for user: None additional

## 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not classified

## Section 15. Regulatory information

None additional

## Section 16. Other information

Concentration	% Limits:
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EDI 2A=20.00% EDI 2B=20.00% EH A3=50.00% EH C3=50.00% EH C4=50.00% EDI 2A=5.00 EDI 2B=5.00 EH A3=2.00 EH C3=2.00 EH C4=2.00

# **Total Fractional Values:**

## Key to revisions:

Not applicable

## Key to abbreviations:

Abbreviation	Meaning	
Acute Tox. 5	Acute Toxicity - Oral Category 5	
Aquatic Acute 3	Hazardous to the Aquatic Environment - Acute Hazard Category 3	
Aquatic Chronic 3	Hazardous to the Aquatic Environment - Long-term Hazard Category 3	
Eye Irrit. 2B	Eye Damage / Irritation Category 2B	
Flam. Liq. 4	Flammable Liquid, Hazard Category 4	
H227	Combustible liquid.	
H303	May be harmful if swallowed.	
H320	Causes eye irritation.	
H412	Harmful to aquatic life with long lasting effects.	
Not Class.	Not classified according to GHS	
P210	Keep away from heat, sparks, open flames and hot surfaces No smoking.	
P264	Wash hands and other contacted skin thoroughly after handling.	
P273	Avoid release to the environment.	
P280	Wear protective gloves/eye protection/face protection.	
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.	



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P337/313	If eye irritation persists: Get medical advice/attention.	
P370/378	In case of fire: Use carbon dioxide, dry chemical, foam for extinction.	
P403/235	Store in a well-ventilated place. Keep cool.	
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.	

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.