



SAFETY DATA SHEET

Tilia Skärvätska TES-98



The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued 28.05.2015

1.1. Product identifier

Product name Tilia Skärvätska TES-98

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

Use of the substance/preparation Thread-cutting lubricant.

Relevant identified uses
 SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
 PC14 Metal surface treatment products, including galvanic and electroplating products,
 PROC5 Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)
 ERC4 Industrial use of processing aids in processes and products, not becoming part of articles
 ERC8A Wide dispersive indoor use of processing aids in open systems

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Company name SIMFAS AB
 Postal address Box 129
 Postcode 272 23
 City Simrishamn
 Country Sweden
 Tel + 46 414 170 90
 E-mail inga.goransson@simfas.se
 Website <http://www.simfas.se>
 Contact person Eva Lundholm

1.4. Emergency telephone number

Emergency telephone SOS Alarm:112

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

Classification according to 67/548/EEC or 1999/45/EC Xi; R36/37/38

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS] Skin Corr 1B;H314;
 STOT SE3;H335;

2.2. Label elements

Hazard Pictograms (CLP)



Composition on the label	2-aminoetanol:5 - 10 %, Trinitriumnitilotriacetat:< 0,2 %
Signal word	Danger
Hazard statements	H314 Causes severe skin burns and eye damage. H335 May cause respiratory irritation.
Precautionary statements	P280 Wear protective gloves/protective clothing/eye protection/face protection. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Child-protection	Yes
Tactile warnings	Yes

2.3. Other hazards

PBT / vPvB	Nej
Other hazards	No other hazards are known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents
2-aminoetanol	CAS no.: 141-43-5 EC no.: 205-483-3 Registration number: 01-2119486455-28	Xn; R20/21/22 C; R34 Acute tox. 4;H302; Acute tox. 4;H312; Acute tox. 4;H332; Skin Corr 1B;H314; STOT SE3;H335;	5 - 10 %
Trinitriumnitilotriacetat	CAS no.: 6064-31-3 EC no.: 226-768-6	Xn,Cancer 3; R22,R40 Xi; R36 Acute tox. 4;H302; Eye Irrit. 2;H319; Carc. 2;H351;	< 0,2 %

Substance comments	See Section 16 for the full wording of the Risk and Hazard phrases in this section. Any existing hygienic exposure limits, should they exist, are indicated in Section 8.
--------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Fresh air.
Skin contact	Wash skin with soap and water.
Eye contact	Rinse with water. Contact physician if discomfort continues.
Ingestion	DO NOT INDUCE VOMITING! Drink several glasses of water. Seek medical advice at once.

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

Acute symptoms and effects	Irritating to eyes and skin.
----------------------------	------------------------------

4.3. Indication of any immediate medical attention and special treatment needed

Other Information	No recommendation given.
-------------------	--------------------------

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Water spray, foam, dry powder or carbon dioxide.
------------------------------	--------------------------------------------------

Improper extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards Carbon dioxide (CO₂). Carbon monoxide (CO).

5.3. Advice for firefighters

Fire fighting procedures Self contained breathing apparatus and full protective clothing must be worn in case of fire. Keep run-off water out of sewers and water sources. Dike for water control.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures Observe the safety precautions listed in points 7 and 8 below.

6.2. Environmental precautions

Environmental precautionary measures Prevent spillage entering a watercourse or sewer, contaminating soil or vegetation. If this is not possible notify police and appropriate authorities immediately.

6.3. Methods and material for containment and cleaning up

Cleaning method Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

Other instructions For personal protective equipment, see Section 8 and for other advice on waste management, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling Observe good chemical hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Storage Store in closed original container at temperatures between 0°C and 40°C.

Conditions To Avoid Avoid contact with oxidising agents. Store isolated from reducing agents.

7.3. Specific end use(s)

Specific use(s) Supplemental product information is provided in the technical documentation.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure limit values

Substance	Identification	Value	TWA Year
2-aminoetanol	CAS no.: 141-43-5	8-hour TWA: 3 ppm	2011
	EC no.: 205-483-3	8-hour TWA: 8 mg/m ³	
	Registration number: 01-2119486455-28	15 min.: 6 ppm	
		15 min.: 15 mg/m ³	

Trinatriumnitriilotriacetat	CAS no.: 6064-31-3		
	EC no.: 226-768-6		

Substance	2-aminoetanol
Letter Code	H

8.2. Exposure controls

Limitation of exposure on workplace Provide adequate general and local exhaust ventilation.

Precautionary measures to prevent exposure

Technical measures to prevent exposure Provide adequate general and local exhaust ventilation.

Respiratory protection

Respiratory protection Respiratory protection must be used if air contamination exceeds acceptable

	level. Använd helmask med filter: ABEK
Hand protection	
Hand protection	Nitrile gloves are recommended.
Eye / face protection	
Eye protection	If risk of splashing, wear safety goggles or face shield.
Skin protection	
Skin protection (except hands)	Provide eyewash, quick drench.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Paste.
Colour	Yellowish.
Odour	Oil smell.
pH (as supplied)	Value: 10,5
Comments, Melting point / melting range	Not determined.
Comments, Flash point	Not determined.
Comments, Evaporation rate	Not determined.
Flammability (solid, gas)	Not determined.
Comments, Explosion limit	Not determined.
Comments, Vapour pressure	Not determined.
Comments, Vapour density	Not determined.
Specific gravity	Value: 1,0
Solubility description	Fullständigt lösligt i vatten
Solubility in fat	Not determined.
Comments, Partition coefficient: n-octanol / water	Not determined.
Comments, Decomposition temperature	Not determined.
Comments, Viscosity	Not determined.
Oxidising properties	Not determined.

9.2. Other information

Other physical and chemical properties

Comments	The values indicated do not always correspond to the product specification. Specific values are given in the technical documentation.
----------	---------------------------------------------------------------------------------------------------------------------------------------

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No dangerous reactions under correct storage and handling procedures.
------------	-----------------------------------------------------------------------

10.2. Chemical stability

Stability	Stable under the prescribed storage conditions.
-----------	-------------------------------------------------

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No recommendation given.
------------------------------------	--------------------------

10.4. Conditions to avoid

Conditions to avoid	Reducing agent - avoid contact with oxidisers.
---------------------	------------------------------------------------

10.5. Incompatible materials

Materials to avoid	Data lacking.
--------------------	---------------

10.6. Hazardous decomposition products

Hazardous decomposition products	Nitrous gases (NOx).
----------------------------------	----------------------

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological data for substances

Substance	2-aminoetanol
LD50 oral	Value: 1515 mg/kg Animal test species: Rat Test reference: OECD401
LD50 dermal	Value: 2504 mg/kg Animal test species: Rabbit Test reference: OECD402
Substance	Trinatriumnitrotriacetat
LD50 oral	Value: 1450 mg/kg Animal test species: Rat

Potential acute effects

Eye contact	Splashes may irritate.
-------------	------------------------

SECTION 12: Ecological information

12.1. Toxicity

Aquatic, comments	Not determined.
-------------------	-----------------

Toxicological data for substances

Substance	2-aminoetanol
Acute aquatic, fish	Value: 349 mg/l Method of testing: LC50 Species: Cyorinus carpio Duration: 96h
Acute aquatic, Daphnia	Value: 65 mg/l Method of testing: EC50 Duration: 48h
Substance	Trinatriumnitrotriacetat
Acute aquatic, fish	Value: 98-312 mg/l Method of testing: LC50 Duration: 96h
Acute aquatic, Daphnia	Value: 780 mg/l Method of testing: EC50 Duration: 48h

12.2. Persistence and degradability

Persistence and degradability	Not determined.
-------------------------------	-----------------

12.3. Bioaccumulative potential

Bioaccumulative potential	Not determined.
---------------------------	-----------------

12.4. Mobility in soil

Comments, Water solubility	Not determined.
----------------------------	-----------------

12.5. Results of PBT and vPvB assessment

PBT assessment results	Not determined.
------------------------	-----------------

12.6. Other adverse effects

Comments Global warming potential	Not determined
-----------------------------------	----------------

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal	Liquid components can be disposed of by incineration.
Product classified as hazardous	Yes

waste	
Packaging classified as hazardous waste	Yes
EWC waste code	EWC: 120109 machining emulsions and solutions free of halogens

SECTION 14: Transport information

14.1. UN number

Comments Not dangerous goods.

14.2. UN proper shipping name

Comments Not dangerous goods.

14.3. Transport hazard class(es)

Comments Not dangerous goods.

14.4. Packing group

Comments Not dangerous goods.

14.5. Environmental hazards

Comments Not dangerous goods.

14.6. Special precautions for user

Special safety precautions for user No recommendation given.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Additional information.

Additional information. Not relevant.

SECTION 15: Regulatory information

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

15.2. Chemical safety assessment

Chemical safety assessment performed No

SECTION 16: Other information

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]	Skin Corr 1B; H314; STOT SE3; H335;
List of relevant R-phrases (under headings 2 and 3).	R36/37/38 Irritating to eyes, respiratory system and skin. R40 Limited evidence of a carcinogenic effect. R36 Irritating to eyes. R34 Causes burns. R20/21/22 Harmful by inhalation, in contact with skin and if swallowed. R22 Harmful if swallowed.
List of relevant H-phrases (Section 2 and 3).	H302 Harmful if swallowed. H335 May cause respiratory irritation. H314 Causes severe skin burns and eye damage. H332 Harmful if inhaled. H351 Suspected of causing cancer H312 Harmful in contact with skin. H319 Causes serious eye irritation.
Information which has been added, deleted or revised	Version 1.
Version	1
Responsible for safety data sheet	SIMFAS AB
Prepared by	Eva Lundholm

