



SAFETY DATA SHEET

Tilia Skärvätska EMT



SDS according to Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex II-EU

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

Date issued 26.05.2015

1.1. Product identifier

Product name Tilia Skärvätska EMT

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

Use of the substance/preparation Cutting fluid.

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 eva.lundholm@lyckeby.com
 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

CLP Classification, Comments The mixture does not meet the criteria for classification according to the CLP Regulation 1272/2008 / EC

2.2. Label elements

Composition on the label Trietanolamin:5 - 10 %, Polyalkaner:1 - 5 %
 Hazard statements EUH 210 Safety data sheet available on request.
 Child-protection No
 Tactile warnings No

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents
Trietanolamin	CAS no.: 102-71-6 EC no.: 203-049-8		5 - 10 %
Polyalkaner	CAS no.: 17832-45-6	R52/53 Aquatic Chronic 3;H412;	1 - 5 %
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.
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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.
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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
Trietanolamin	CAS no.: 102-71-6	8-hour TWA: 0,8 ppm	2011
	EC no.: 203-049-8	H	
		8-hour TWA: 5 mg/m ³	
		15 min.: 1,6 ppm	
		15 min.: 10 mg/m ³	

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 hjälm med filter: A

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	Liquid.
Colour	Light brown.
Odour	Oil smell.
pH (as supplied)	Value: 9
Comments, Melting point / melting range	Not determined.
Comments, Boiling point / boiling 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	Completely soluble in water.

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.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No dangerous reactions under correct storage and handling procedures.
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10.2. Chemical stability

Stability	Stable under the prescribed storage conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No recommendation given.
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10.4. Conditions to avoid

Conditions to avoid	Reducing agent - avoid contact with oxidisers.
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10.5. Incompatible materials

Materials to avoid	Data lacking.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Nitrous gases (NOx).
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological Information:

Other toxicological data	Based on available data the classification criteria are not met.
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Toxicological data for substances

Substance	Trietanolamin
LD50 oral	Value: > 5000 mg/kg Animal test species: Rat
Acute toxicity	Inhalation: Vapour may irritate respiratory system or lungs. Skin: Liquid may irritate the skin. Eye: Splashes may irritate. Ingestion: May cause discomfort if swallowed.

Potential acute effects

Eye contact	Splashes may irritate.
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SECTION 12: Ecological information

12.1. Toxicity

Toxicological data for substances

Substance	Trietanolamin
Acute aquatic, algae	Value: 216 mg/l Duration: 72h Test reference: IC50
Acute aquatic, Daphnia	Value: > 2500 mg/l Duration: 48h

	Test reference: LC50
Substance	Polyalkaner
Acute aquatic, fish	Value: 100 mg/l Method of testing: LC50 Species: Karp(Cyprianus carpio) Duration: 96h
Acute aquatic, algae	Value: 2,2 mg/l Method of testing: EbC50 Species: Scenedesmus capricornutum Duration: 72h
Acute aquatic, Daphnia	Value: 100 mg/l Method of testing: EC50 Species: Magna Duration: 48h
Biodegradability	Value: 21 Test period: OECD 301B

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 waste No

Packaging classified as hazardous waste No

EWC waste code EWC: 07 WASTES FROM ORGANIC CHEMICAL PROCESSES

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**

Legislation and regulations The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).

15.2. Chemical safety assessment

Chemical safety assessment performed No

SECTION 16: Other information

List of relevant R-phrases (under headings 2 and 3). R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

List of relevant H-phrases (Section 2 and 3). H412 Harmful to aquatic life with long lasting effects.

Information which has been added, deleted or revised Version 1.

Version 1

Responsible for safety data sheet SIMFAS AB

Prepared by Eva Lundholm