

SAFETY DATA SHEET

Tilia Kallavfettning

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Trade name

Tilia Kallavfettning

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

Relevant identified uses of the substance or mixture

Degreasing

Relevant identified uses of the substance or mixture (REACH)

Uses advised against

1.3. Details of the supplier of the safety data sheet

Company and address

SimFAS Sweden AB

Box 129

SE-272 23 Simrishamn

Sweden

+46 (0) 414 170 90

www.simfas.se

Contact person

Inga Göransson

E-mail

info@simfas.se

SDS date

2020-01-13

SDS Version

1.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 "First aid measures".

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Eye Dam. 1; H318, Causes serious eye damage.

2.2. Label elements

Hazard pictogram(s)



Signal word

Danger

Hazard statement(s)

Causes serious eye damage.

Safety statement(s)

General

Prevention

P280, Wear eye protection.

According to EC-Regulation 2015/830

Response

P305+P351+P338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage

Disposal

Hazardous substances

Alcohols, C9-11, ethoxylated

Tetrasodium ethylenediaminetetraacetate

2.3. Other hazards

Additional labelling

Not applicable

SECTION 3: Composition/information on ingredients

3.1 Substances

3.2 Mixtures

Product/Ingredient name	Identifiers	% w/w	Classification	Note
(2-methoxymethylethoxy)propanol	CAS No.: 34590-94-8 EC No.: 252-104-2 REACH No.: 01-2119450011-60-xxxx Index No.:	10-15%		EU
Alcohols, C9-11, ethoxylated	CAS No.: 68439-46-3 EC No.: 614-482-0 REACH No.: Index No.:	1-3%	Eye Dam. 1, H318	
Tetrasodium ethylenediaminetetraacetate	CAS No.: 64-02-8 EC No.: 200-573-9 REACH No.: 01-2119486762-27-xxxx Index No.:	1-3%	Acute Tox. 4, H302 Eye Dam. 1, H318 Acute Tox. 4, H332 STOT RE 2, H373	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

EU: European occupational exposure limit

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Bring the person into fresh air and stay with him/her.

Skin contact

According to EC-Regulation 2015/830

Immediately remove contaminated clothing and shoes. Ensure that skin, which has been exposed to the material, is washed thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact

Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing.

Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

Burns

Not applicable

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

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

IF exposed or concerned:

Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Not applicable

5.2. Special hazards arising from the substance or mixture

Fire will result in dense black smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Nitrogen oxides.

Carbon oxides.

Some metal oxides.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances.

Avoid inhalation of vapours from spilled material.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

6.3. Methods and material for containment and cleaning up

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

According to EC-Regulation 2015/830

See section on "Disposal considerations" in regard of handling of waste.
 See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section on 'Exposure controls/personal protection' for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original container.

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Storage temperature

0 °C – 40 °C

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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 (2-methoxymethylethoxy)propanol
 Long term exposure limit (8 hours): 50 ppm
 Long term exposure limit (8 hours): 308 mg/m³

Annotations:

Sk: Can be absorbed through the skin and lead to systemic toxicity.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.

DNEL

Product/Ingredient name	DNEL	Route of exposure	Duration	Source	Remarks
(2-methoxymethylethoxy)propanol	1.67	Oral	Long term – Systemic effects		- General population
(2-methoxymethylethoxy)propanol	310	Inhalation	Long term – Systemic effects		- Workers
(2-methoxymethylethoxy)propanol	37.2	Inhalation	Long term – Systemic effects		- General population
(2-methoxymethylethoxy)propanol	65	Dermal	Long term – Systemic effects		- Workers
(2-methoxymethylethoxy)propanol	15	Dermal	Long term – Systemic effects		- General population

PNEC

Product/Ingredient	PNEC	Route of	Duration of	Source	Remarks
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According to EC-Regulation 2015/830

name	exposure	Exposure
(2-methoxymethylethoxy)propanol 190	Water	No data available
(2-methoxymethylethoxy)propanol 2.74	Soil	No data available
(2-methoxymethylethoxy)propanol 19	Freshwater	No data available
(2-methoxymethylethoxy)propanol 70.2	Freshwater sediment	No data available
(2-methoxymethylethoxy)propanol 1.9	Marine water	No data available
(2-methoxymethylethoxy)propanol 7.02	Marine water sediment	No data available
(2-methoxymethylethoxy)propanol 4168	Sewage Treatment Plant	No data available
Tetrasodium ethylenediaminetetraacetate 2.86	Freshwater	No data available
Tetrasodium ethylenediaminetetraacetate 0.286	Marine water	No data available

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations

Smoking, eating and drinking are not allowed in the work premises

Exposure scenarios

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk management measures in these shall be complied with.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

Airborne gas and dust concentrations must be kept at a minimum and below current limit values (see above). Installation of an exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -showers are clearly marked.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

Measures to avoid environmental exposure

No specific requirements

Individual protection measures, such as personal protective equipment

Generally

Use only CE marked protective equipment.

Respiratory Equipment

Work situation	Recommended Filter type	Class	Colour	Standards
Insufficient ventilation.	If insufficient ventilation use respiratory	Gas filter A.	Brown.	

According to EC-Regulation 2015/830

Work situation	Recommended Filter type	Class	Colour	Standards
	protection.			

Skin protection

No specific requirements

Hand protection

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
	Nitrile	0.2	> 480	EN374-2, EN374-3, EN388



Eye protection

Work situation	Recommended	Standards
	Safety glasses	EN166



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form

Liquid

Colour

Clear

Odour

Mild

Odour threshold (ppm)

No data available

pH

11-11.5

Density (g/cm³)

~1.0

Viscosity

No data available

Phase changes

Melting point (°C)

No data available

Boiling point (°C)

No data available

Vapour pressure

No data available

Vapour density

No data available

Decomposition temperature (°C)

No data available

Evaporation rate (n-butylacetate = 100)

No data available

Data on fire and explosion hazards

Flash point (°C)

No data available

According to EC-Regulation 2015/830

Ignition (°C)

No data available

Auto flammability (°C)

No data available

Explosion limits (% v/v)

No data available

Explosive properties

No data available

Oxidizing properties

No data available

Solubility

Solubility in water

Soluble

n-octanol/water coefficient

No data available

Solubility in fat (g/L)

No data available

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under the conditions, noted in the section "Handling and storage".

10.3. Possibility of hazardous reactions

No special

10.4. Conditions to avoid

No special

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Product/Ingredient name	Species	Test	Route of exposure	Result
(2-methoxymethylethoxy)propanol	Rat	LD50	Oral	>4000 mg/l
(2-methoxymethylethoxy)propanol	Rat	LC50	Inhalation	3.35 mg/l
(2-methoxymethylethoxy)propanol	Rabbit	LD50	Dermal	9510 mg/l
Alcohols, C9-11, ethoxylated	Rat	LD50	Dermal	>2000 mg/l
Tetrasodium ethylenediaminetetraacetate	Rat	LD50	Oral	1780 mg/l
Tetrasodium	Rat	LC50	Inhalation	1-5 mg/l

According to EC-Regulation 2015/830

ethylenediaminetetraacetate

Skin corrosion/irritation

No data available

Serious eye damage/irritation

No data available

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration hazard

No data available

Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

SECTION 12: Ecological information

12.1. Toxicity

Product/Ingredient name	Species	Test	Duration	Result
(2-methoxymethylethoxy)propanol	Fish	LC50	96 hours	10000 mg/l
(2-methoxymethylethoxy)propanol	Daphnia	EC50	48 hours	1919 mg/l
Alcohols, C9-11, ethoxylated	Fish	LC50	96 hours	1-10 mg/l
Alcohols, C9-11, ethoxylated	Daphnia	EC50	48 hours	1-10 mg/l
Tetrasodium ethylenediaminetetraacetate	Fish	LC50	96 hours	>100 mg/l
Tetrasodium ethylenediaminetetraacetate	Algae	EC50	72 hours	>100 mg/l
Tetrasodium ethylenediaminetetraacetate	Daphnia	EC50	No data available.	>500 mg/l

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

According to EC-Regulation 2015/830

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Other adverse effects

No special

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

EWC code

11 01 13* Degreasing wastes containing dangerous substances

Specific labelling

Not applicable

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

14.1 - 14.4

Not dangerous goods according to ADR, IATA and IMDG.

ADR/RID

Not applicable

IMDG

Not applicable

Marine pollutant

No

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

Restrictions for application

People under the age of 18 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

No specific requirements

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education

No special

SEVESO - Categories / dangerous substances:

Not applicable

Additional information

Not applicable

Sources

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Council Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on

According to EC-Regulation 2015/830

classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).
Regulation (EC) 1907/2006 (REACH).

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H318, Causes serious eye damage.

H302, Harmful if swallowed.

H332, Harmful if inhaled.

H373, May cause damage to organs through prolonged or repeated exposure^a.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SVHC = Substances of Very High Concern

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TWA = Time weighted average

UN = United Nations

UVCB = Complex hydrocarbon substance

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

Additional information

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:

The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

The safety data sheet is validated by

Inga Göransson

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.