

ECOLUBRIC E550L

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Date issued: 2007-06-01
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1.1 Product identifier

Tradename: ECOLUBRIC E550L

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

Field of application: Vegetable lubricating oil for industrial use
Uses advised against: Should not be used as foods

1.3 Details of the supplier of the safety data sheet

Supplier: Accu-Svenska AB
Address: Saltängsvägen 18
721 32 Västerås
Country: Sweden
Telephone: +46 21 33 07 41
Fax: +46 21 33 07 63
E-mail: kontakta-oss@accu-svenska.se

1.4 Emergency telephone number

For questions about this product, please contact: +46 21 33 07 41
The European Union and GSM standard emergency number: 112

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]: Not classified
Substance / mixture hazardous properties: Not regarded as a health or environmental hazard under current legislation.

2.2 Label elements

Tradename: ECOLUBRIC E550L
Chemical description: 2-hexyldecan-1-ol
Precautionary statements: P262 Do not get in eyes, on skin, or on clothing.

2.3 Other hazards

Description of hazard: The product is not harmful to health and involves no special hazards for humans or the environment. Should be handled with the same care as other chemicals.
Environmental hazards: Prevent major releases to soil, drains or watercourses.
Other hazards: Please note the risk of slipping in case of spill.

SAFETY DATA SHEET

According to Regulation (EC) n° 1907/2006 (REACH)

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Chemical properties: Fatty alcohol.

Component name	Identification	Classification	Concentration
2-hexyldecan-1-ol	CAS No: 2425-77-6 EC No: 219-370-1	Not Classified	100 %

Component comments: ECOLUBRIC E550L contains no known hazardous ingredients according to EC lists. The product is vegetable lubricating oil consisting of biodegradable substances.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General: No hazards which require special first aid measures. Never give anything to eat or drink to an unconscious person. When symptoms persist or in all cases of doubt seek medical advice.

Inhalation: Move to fresh air. In case of persistent throat irritation or coughing after inhalation of oil mist: seek medical attention and bring along these instructions.

Skin contact: Wash with soap and warm water. If symptoms persist, seek medical advice.

Eye contact: Rinse with plenty of water or eyewash solution, up to 15 minutes. Remove any contact lenses. If symptoms persist, consult a doctor.

Ingestion: Small quantity ingested requires no specific actions. Rinse mouth and drink some glasses of water.

4.2 Most important symptoms and effects, both acute and delayed

Acute symptoms and effects: Possible symptoms may be eye or skin irritations. Inhalation of high concentrated oil mist may cause lipid pneumonia.

Delayed symptoms and effects: May have laxative effect if ingested.

4.3 Indication of any immediate medical attention and special treatment needed

Other information: No Information available.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: The product is combustible. Suitable extinguishing media: Water spray, Foam, Dry powder, Carbon dioxide (CO₂) Use a fire blanket to smother small fires.

Improper extinguishing media: High volume water jet, it may spread the fire.

Further information: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: Fire can cause dense black smoke containing hazardous combustion products, carbon oxides (CO_x). Vapours may form explosive mixtures with air.

5.3. Advice for firefighters

Protective equipment:	Wear self-contained breathing apparatus for fire fighting if necessary
Fire-Fighting Methods:	Containers in the vicinity of the fire should be moved and/or cooled with water

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

General measures:	The product is not classified as dangerous for the environment or health. Please note the risk of slipping in case of spill. Avoid contact with skin, eyes and clothing.
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6.2 Environmental precautions

Environmental precautions:	Prevent discharge of larger quantity to drain.
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6.3 Methods and material for containment and cleaning up

Methods for cleaning:	Absorb escape with oil-absorbing material. Oil that cannot be reused must be disposed of as hazardous combustible. Smaller spills of oil can be absorbed with paper towels and disposed of as combustible. Wash away residue with warm water and detergent.
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6.4 Reference to other sections

Additional information:	For waste disposal, see section 13.
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SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

Handling	Only use ECOLUBRIC E550L in approved application systems. If an oil mist is visible in the air, the air pressure or the oil flow may be too high. Avoid all possible sources of ignition. Avoid static charge.
Measures to prevent fire:	Treat the product as hot oil. Severe heating may cause the oil in the drums to expand and rupture the drums. Cool heated drums with water.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels:	Keep containers tightly closed in a dry, cool and well-ventilated place.
Hints on storage assembly:	Do not store together with other lubricants. Keep away from food.
Storage temperature:	Recommended storage temperature 10-32 °C

7.3 Specific end use

Recommendations:	No specific recommendations
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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

Other information about threshold limit values:	Contains no substance with occupational exposure limit values.
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Component name	Identification	Value	Year
Oil mist (mineral oil particles)		(8 h): 1 mg/m ³ (15 min): 3 mg/m ³	2011 Sweden

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DNEL
2-hexyldecan-1-ol
Group: Workers
Exposure route: Dermal
Value: 35 mg/m³

DNEL
2-hexyldecan-1-ol
Group: Workers
Exposure route: Inhalation
Value: 247 mg/m³

8.2 Exposure controls

Product related measures to prevent exposure
Normal hygiene procedures should be applied at the work place when the product is being used. Used oil should always be treated as harmful. Use only in well-ventilated area.

8.2.1 Precautionary measures to prevent exposure

Respiratory protection: Not needed under normal conditions. If the amount of oil mist exceeds 5 mg/m³, a breathing filter should be worn. ECOLUBRIC E550L is not toxic when inhaled.

Hand protection: Not necessary. ECOLUBRIC E550L does not irritate the skin. Wear appropriate gloves when handling used oil. Suitable gloves: Nitrile, Neoprene, PVC.

Eye / face protection: Protective goggles with side shields should always be used during machining, to prevent particles from damaging the eyes. ECOLUBRIC E550L does not irritate the eyes.

Skin protection: Wear appropriate protective clothing to prevent contact with skin or clothes.

8.2.2 Appropriate environmental exposure control

Environmental exposure controls: Prevent release to land, drains or water courses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Liquid
Colour: Transparent
Smell: Neutral
pH as supplied / aqueous Solution: Not determined
Melting point: <-40 °C (DIN/ISO 3015)
Boiling point / Boiling range: 319-321 °C
Flash point: >160 °C (DIN/ISO 2592)
Explosive properties: No data available
Autoignition temperature: Not determined
Oxidizing properties: No data available
Vapour pressure: <0,001 hPa
Density: 20 mm²/s, 40°C (DIN 51562)
Solubility in water: Insoluble at 20°C
Partition coefficient n-octanol/water: Log Pow >8
Viscosity: 39-41 mPa.s at 20°C
Vapour density: No data available
Evaporation Rate: No data available
Flammability (solid / gas): No data available

9.2 Other information

Miscibility: Not miscible in water
 Conductivity: No data available

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

Reactivity: No decomposition during storage and use as directed.

10.2 Chemical stability

Stability during normal handling and storage: No dangerous reactions occur during normal use/storage.

10.3 Possibility of hazardous reactions

Hazardous reactions: May produce toxic fumes during fire. Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid: Keep away from heat and all sources of ignition.

10.5. Incompatible materials

Materials to be avoided: No data available.

Safety measures: None

10.6 Hazardous decomposition products

Known and/or expected decomposition products: In case of fire (section 5).

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

TOXICOLOGICAL DATA

2-hexyldecan-1-ol, CAS-no 2425-77-6	Results	Exposure time	Art
Oral	LD50 >40 ml/kg bw		Rat (OECD Guideline 401)
Dermal	LD50 >2 ml/kg bw	24h	Rabbit
Estimation of toxicity of the mixture:	ECOLUBRIC E550L contains no toxic substances. No known chronic or acute health risks. Used oil should always be treated as harmful.		
Sensitization:	Not sensitising		
Aspiration hazard:	No known		
Repeated dose toxicity	No data available		
Specific target organ – single exposure:	Not classified as specific target organ toxicant, single exposure		
Specific target organ – repeated exposure:	Not classified as specific target organ toxicant, single exposure		
Carcinogenicity:	Not classified as carcinogenic, mutagenic or toxic for reproduction		

SAFETY DATA SHEET

According to Regulation (EC) n° 1907/2006 (REACH)

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

2-hexyldecan-1-ol, CAS-nr 2425-77-6	Results	Exposure time	Art
Acute aquatic, fish:	LC50 >10 000 mg/l	48 h	Leuciscus idus (DIN 38412/15)
Acute aquatic, Daphnia:	EC50 0,14 mg/l	48 h	Daphnia magna (OECD Guideline 202)

Ecotoxicity. ECOLUBRIC E550L is vegetable lubricating oil, consisting of biologically degradable substances.

12.2 Persistence and degradability

Description of persistence and degradability: Biodegradability 79% at 28 days and thus considered as readily biodegradable (OECD Guideline 310).

12.3 Bioaccumulative potential

Bioaccumulative potential: No reliable data available

12.4 Mobility in soil

Mobility: No data available
Water solubility: Not soluble in water

12.5 Results of PBT and vPvB assessment

PBT- assessment results: Not classified as PBT
Results of the vPvB assessment: No data available

12.6 Other adverse effects

Environmental details, conclusion: Prevent larger amount of product from entering drains and water ways

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Specify the appropriate methods of disposal: ECOLUBRIC E550L is normally used as a lubricant for stationary work. The product therefore does not need to be disposed of separately. If the product needs to be discarded, it can be incinerated, in compliance with local regulations.

Relevant waste regulation: Disposal of waste in compliance with corresponding local laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies, which will advise on how to dispose this type of waste.

EWC waste code: 13 02 07* Readily biodegradable engine, gear and lubricating oils. Note that the EWC code depends on the area of use.

SECTION 14: TRANSPORT INFORMATION

14.1. UN- number

Comments Not relevant.

14.2 UN proper shipping name

Comments Not relevant.

14.3 Transport hazard class(es)

Comments Not relevant.

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According to Regulation (EC) n° 1907/2006 (REACH)

14.4 Packing group

Comments Not relevant.

14.5 Environmental hazards

Comments Not relevant.

14.6 Special precautions for user

Special safety precautions for user Not relevant.

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

Additional information. The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

SECTION 15: REGULATORY INFORMATION

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

Legislation and regulations This Safety Data Sheet conforms to Regulation (EC) n° 1907/2006 (REACH).

15.2 Chemical safety assessment

Chemical safety assessment Data not available

SECTION 16. OTHER INFORMATION

Supplier's notes: The information supplied is based on the facts known at the time of preparation of this data sheet. The information provides a description of ECOLUBRIC E200L in relation to the safety issues raised above, which means that the information is not comprehensive.

Sources of key data used to compile the safety data sheet: ECHA classification and labelling-inventory, Accu-Svenska MSDS: ECOLUBRIC E 550L version 2 20-04-2012.

Information which has been added, deleted or revised. Change to sections: 1

Responsible for safety data sheet: Accu-Svenska AB

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