

Safety Data Sheet according to Ordinance (EC) No. 1907/2006

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1. Identification of the substance / mixture and of the company / undertaking

Trade name: KANGAROO ALU-FIX OIL

Supplier: Gerd Eisenblätter GmbH

Jeschkenstraße 12d
82538 Geretsried
Phone: + 49 (0) 8171 / 9082 - 010

Emergencies: +49 (0) 8171 / 9082 - 010

2. Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Hazard categories:

Aspiration hazard: Asp. Tox. 1

Hazard statements:

May be fatal if swallowed and enters airways.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

Hexadec-1-ene

Signal word

Danger

Pictograms



Hazard statements

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER / doctor.

P331 Do NOT induce vomiting.

Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Results of PBT and vPvB assessment: not applicable.

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3. Composition / Information on ingredients

Chemical characterization:

Description: Mineral oil-based mixture. Mineral oil with DMSO extract < 3 % as measured by IP 346.

Hazardous components:

Substance	EC No	CAS No	REACH No	Concentration (%)	Classification acc. to Regulation (EC) No. 1272/2008 (CLP)
Hexadec-1-ene	211-105-8	629-73-2	01-2119474686-23	20 - < 25 %	Asp. Tox. 1; H304 EUH066
O,O,O-triphenyl phosphorothioate	209-909-9	597-82-0		1 - < 2.5 %	Aquatic Chronic 4; H413
Amines, N-(C16-18 (even numbered) and C18-unsaturated alkyl) trimethylenedi-, ethoxylated (NLP)	800-029-6	1290049-56-7	01-2119962190-43	0,1 - < 0,3 %	Acute Tox.4, Skin Corr. 1B, Eye Dam. 1, STOT RE 1, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1; H302, H314, H318, H372, H400, H410

(Full text of H- and EUH-phrases: see section 16.)

4. First aid measures

4.1. Description of first aid measures

- After inhalation : Remove casualty to fresh air and keep warm and at rest.
- After skin contact : After contact with skin, wash immediately with plenty of water and soap.
- After eye contact : Rinse immediately carefully and thoroughly with eye-bath or water.
In case of eye irritation consult an ophthalmologist.
- After ingestion : If swallowed, rinse mouth with water (only if the person is conscious).
Consult physician immediately. Keep victim calm. Do not induce vomiting.
- General information : In all cases of doubt, or when symptoms persist, seek medical advice.
In case of unconsciousness give nothing by mouth, place in unconscious position and seek medical advice. Remove contaminated clothing immediately and dispose off safely.

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

When in doubt or if symptoms are observed, get medical advice.

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

No information available.

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5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media: alcohol resistant foam, extinguishing powder, carbon dioxide.

Unsuitable extinguishing media: Full water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products: carbon monoxide, carbon dioxide. Do not inhale explosion and combustion gases.

5.3. Advice for fire fighters

Protective equipment

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Do not allow to enter into soil/subsoil.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Clean contaminated articles and floor according to the environmental legislation.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

See protective measures under point 7 and 8.

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling:

Use personal protection equipment. Do not eat, drink or smoke when using this product. Provide fresh air. Handle and open container with care. Conditions to avoid: generation/formation of aerosols.

Advice on protection against fire and explosion: No special measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Protect against: Frost. Keep away from heat. Keep container tightly closed in a cool, well-ventilated place.

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8. Exposure controls / personal protection

8.1. Control parameters

DNEL/DMEL values

CAS No	Substance		
DNEL type	Exposure route	Effect	Value
1290049-56-7	amines, N-(C16-18 (even numbered) and C18-unsaturated alkyl) trimethylenedi-, ethoxylated (NLP)		
Worker DNEL, long-term	inhalation	systemic	0,12 mg/m ³
Worker DNEL, long-term	dermal	systemic	0,017 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	0,025 mg/m ³
Consumer DNEL, long-term	dermal	systemic	0,007 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	0,007 mg/kg bw/day

8.2. Exposure controls

Appropriate engineering controls

See chapter 7. No additional measures necessary.

Protective and hygiene measures

When using do not eat, drink, smoke, sniff.

Respiratory protection:

With correct and proper use, and under normal conditions, breathing protection is not required.

When splashes or fine mist form, a permitted breathing apparatus suitable for these purposes must be used. Suitable respiratory protection apparatus: Filtering Half-face mask (DIN EN 149), e.g. FFA P / FFP3.

Protection of hands:

For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber). Breakthrough times and swelling properties of the material must be taken into consideration.

Recommended glove articles:

DIN EN 374. Barrier creams can help protecting exposed skin areas.

In no case should they be used after contact.

Eye/face protection:

Wear closely fitting protective glasses in case of splashes.

Skin protection:

Protective clothing.

Environmental exposure controls:

Do not allow to enter into surface water or drains.

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9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form:	liquid
Colour:	yellow
Odour:	typical
pH-value	not applicable
Vapour pressure (at 20°C):	< 0.1 hPa
Boiling point / Boiling range:	not determined
Flash point:	> 170 °C EN ISO 2592
Pourpoint:	not determined
Danger of explosion: lower explosion limit: upper explosion limit:	0.4 Vol-% 6.5 Vol-%
Density:	0.87 g/cm ³
Solubility:	insoluble
Viscosity (at 40 °C):	15 mm ² /s

9.2. Other information

No further relevant information available.

10. Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

No hazardous reactions known when handled and stored according to provisions.

10.4. Conditions to avoid

Heat.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No information available.

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11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity: Based on available data, the classification criteria are not met.

CAS-No.	Substance	Exposure routes	Method	Dose	Species	Source
597-82-0	O,O,O-triphenyl phosphorothioate	oral	LD50 mg/kg	>2000,0	Rat	
1290049-56-7	amines, N-(C16-18 (even numbered) and C18-unsaturated alkyl) trimethylenedi-, ethoxylated (NLP)	oral	ATE mg/kg	500		

Irritation and corrosivity:

Based on available data, the classification criteria are not met.

Sensitising effects:

Based on available data, the classification criteria are not met.

STOT-single exposure:

Based on available data, the classification criteria are not met.

STOT-repeated exposure:

Repeated exposure may cause skin dryness or cracking.

Carcinogenic / mutagenic / toxic effects for reproduction:

Based on available data, the classification criteria are not met.

Aspiration hazard:

May be fatal if swallowed and enters airways.

Practical experience

Other observations:

Keeping to the general worker's protection rules and the industrial hygienics, there is no risk in handling this product through the personnel.

12. Ecological information

12.1. Toxicity

There are no data available on the mixture itself.

12.2. Persistence and degradability

There are no data available on the mixture itself.

12.3. Bioaccumulative potential

There are no data available on the mixture itself.

CAS-No.	Substance	Log Pow
597-82-0	O,O,O-triphenyl phosphorothioate	5,10
629-73-2	hexadic-1-ene	8,1

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12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way.

Waste disposal according to EC directives 75/442/EEC and 91/689/EEC in the Corresponding versions, covering waste and dangerous waste.

Waste disposal number of waste from residues/unused products

120107 mineral-based machining oils free of halogens (except emulsions and solutions).

Contaminated packaging:

Non-contaminated packages may be recycled. Consult the appropriate local waste disposal expert about waste disposal.

14. Transport information

14.1. Land transport

No dangerous goods regulations acc. to ADR/RID and GGVS/E.

14.2. Sea transport

No dangerous goods regulations acc. to IMDG/GGVSee.

14.3. Aircraft transport

No dangerous goods regulations acc. to ICAO/IATA.

15. Regulatory information

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

EU regulatory information

2010/75/EU (VOC): 0 %

National regulatory information

Water contaminating class (D): 1 – slightly water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

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16. Other information

Abbreviations and acronyms

ADR: Accord européen relatif au transport international des marchandises dangereuses par route
RID: Règlement concernant le transport international ferroviaire des marchandises dangereuses
IMDG: International Maritime Code of Dangerous Goods
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
CAS: Chemical Abstracts Service
DNEL/DMEL: Derived No-Effect Level / Derived Minimal Effect Level
PNEC: Predicted No Effect Concentration
WEL (UK): Workplace Exposure Limits
TWA (EC): Time-Weighted Average
STEL (EC): Short Term Exposure Limit
ATE: Acute Toxicity Estimate
LD50: Lethal Dose, 50%
LC50: Lethal Concentration, 50%
EC50: half maximal Effective Concentration
ErC50: EC50 in terms of reduction of growth rate
VwVwS: Verwaltungsvorschrift wassergefährdende Stoffe

Relevant H- and EUH-phrases (number and full text):

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
EUH066	Repeated exposure may cause skin dryness or cracking.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.