

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

LASCOL ARO 60

Revision date: 24.01.2017

Product code: 249

Page 2 of 7

EUH019	May form explosive peroxides.
EUH031	Contact with acids liberates toxic gas.
EUH066	Repeated exposure may cause skin dryness or cracking.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Hazardous components**

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
68476-81-3	Paraffin waxes and Hydrocarbon waxes, oxidized, calcium salts			25-50 %
	270-701-6			
	Eye Irrit. 2; H319			
	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)			10-25 %
	927-344-2		01-2119463586-28	
	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H336 H304 H411 EUH066			
64742-48-9	Kohlenwasserstoffe, C9-C11, n-Alkane, Isoalkane, Cyclene, <2% Aromaten			10-25 %
	919-857-5			
	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1; H226 H336 H304 EUH066			
64742-48-9	Naphtha (petroleum), hydrotreated heavy			2,5-10 %
	265-150-3			
	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1; H226 H336 H304			
	synthetisches neutrales Calciumpetroleumsulfonat			2,5-10 %
	263-093-9			
	Skin Sens. 1A; H317			
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether			1-2,5 %
	203-961-6	603-096-00-8		
	Eye Irrit. 2; H319			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Seek medical attention if problems persist. No administration in cases of unconsciousness or cramps.

After inhalation

Move victim to fresh air. Put victim at rest and keep warm.

After contact with skin

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

After ingestion

Do NOT induce vomiting.

Caution if victim vomits: Risk of aspiration!

In case of swallowing, keep the patient at rest and contact a doctor.



Safety Data Sheet

according to Regulation (EC) No 1907/2006

LASCOL ARO 60

Revision date: 24.01.2017

Product code: 249

Page 3 of 7

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

Treat symptomatically

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water fog. Extinguishing powder. Carbon dioxide. Foam.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated:

Carbon monoxide

Carbon dioxide (CO₂).

Sulfur oxides.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

SECTION 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.

Treat the recovered material as prescribed in the section on waste disposal.

Collect in closed containers for disposal.

Prevent spread over a wide area (e.g. by containment or oil barriers).

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).

Clean contaminated articles and floor according to the environmental legislation.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid oil mist

Use only in well-ventilated areas.

Direct contact with skins avoid.

When using do not eat, drink or smoke.

Advice on protection against fire and explosion

Prevent access by unauthorised personnel.

Further information on handling

High slip hazard because of leaking or spilled product.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 5-40 °C

Advice on storage compatibility

Keep away from food, drink and animal feedingstuffs.

Do not store with strong oxidizing agents.

Maximum period of storage (time): 3 Jahr

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

LASCOL ARO 60

Revision date: 24.01.2017

Product code: 249

Page 4 of 7

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
112-34-5	2-(2-Butoxyethoxy)ethanol	10	67.5		TWA (8 h)	WEL
		15	101.2		STEL (15 min)	WEL

8.2. Exposure controls**Protective and hygiene measures**

Use personal protection equipment as per Directive 89/686/EEC.

Eye/face protection

Use glasses or face shield if there is a risk of splashing.

Hand protection

Protect skin by using skin protective cream. Wear protective gloves if advisable under safety aspects.

Wash hands before breaks and after work.

Gloves of appropriate material (i.e. nitrilic rubber, specification: penetration time: level 6, >480 min., thickness 0,9-1 mm; CE-certified acc. EN 374 cat III)

Skin protection

Chemical resistant safety shoes. Take off immediately all contaminated clothing.

Thorough skin-cleansing after handling the product. Set out skin protection guidelines.

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	
Odour:	characteristic

Test method**Changes in the physical state**

Flash point:	48 °C	ASTM D 93
Lower explosion limits:	0,6 vol. %	
Upper explosion limits:	6 vol. %	
Density (at 15 °C):	0,84 g/cm ³	DIN 51757
Viscosity / kinematic: (at 40 °C)	>20,5 mm ² /s	ASTM D 7042

SECTION 10: Stability and reactivity**10.4. Conditions to avoid**

Protect against: heat.

10.5. Incompatible materials

The following must be prevented: Oxidizing agents, strong.

10.6. Hazardous decomposition products

Hazardous decomposition products: none

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

LASCOL ARO 60

Revision date: 24.01.2017

Product code: 249

Page 5 of 7

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

There are no data available on the preparation/mixture itself.
Data apply to the main component.

Acute toxicity

after ingestion: LD50: > 2000mg/kg Rat
After skin contact: LD50: > 2000mg/kg Rat
following inhalation: LC50: > 5mg/1/4hRat.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)				
	oral	LD50 >2000 mg/kg	RAT		
	dermal	LD50 >2000 mg/kg	RABBIT		
64742-48-9	Kohlenwasserstoffe, C9-C11, n-Alkane, Isoalkane, Cyclene, <2% Aromaten				
	oral	LD50 >5000 mg/kg	Rat		
	dermal	LD50 >5000 mg/kg	Rabbit		
	inhalative (4 h) aerosol	LC50 >5 mg/l	Rat		
64742-48-9	Naphtha (petroleum), hydrotreated heavy				
	oral	LD50 >5000 mg/kg	rat		
	dermal	LD50 >3000 mg/kg	rab		
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether				
	oral	LD50 5660 mg/kg	Rat		
	dermal	LD50 4120 mg/kg	Rabbit		

Additional information on tests

No risks worthy of mention. Practical experience.
The statement is derived from the properties of the single components.
The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

SECTION 12: Ecological information**12.1. Toxicity**

The statement is derived from the properties of the components.
May accumulate in organisms.
Product is not easily biodegradable.



Safety Data Sheet

according to Regulation (EC) No 1907/2006

LASCOL ARO 60

Revision date: 24.01.2017

Product code: 249

Page 6 of 7

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)					
	Acute fish toxicity	LC50 mg/l	10-30	96 h	Oncorhynchus mykiss	
	Acute crustacea toxicity	EC50 mg/l	10-22	48 h	Daphnia magna	
64742-48-9	Kohlenwasserstoffe, C9-C11, n-Alkane, Isoalkane, Cyclene, <2% Aromaten					
	Acute fish toxicity	LC50 mg/l	>1000	96 h	Oncorhynchus mykiss	
	Acute algae toxicity	ErC50 mg/l	>1000		Pseudokirchneriella subcapitata	
	Algae toxicity	NOEC mg/l	>100		Pseudokirchneriella subcapitata	
64742-48-9	Naphtha (petroleum), hydrotreated heavy					
	Acute fish toxicity	LC50 mg/l	2200	96 h	Pimephales promelas	
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether					
	Acute algae toxicity	ErC50 mg/l	> 100		Scenedesmus sp.	
	Acute crustacea toxicity	EC50 mg/l	> 100	48 h	Daphnia magna	

12.3. Bioaccumulative potential**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether	0,56 (25°C)

12.4. Mobility in soil

in delivery condition: liquid

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Waste disposal number of waste from residues/unused products**

130899 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); oil wastes not otherwise specified; wastes not otherwise specified; hazardous waste

SECTION 14: Transport information**Land transport (ADR/RID)**

- 14.1. UN number:** UN 1993
14.2. UN proper shipping name: Entzündbarer flüssiger Stoff, n.a.g.
14.3. Transport hazard class(es): 3
14.4. Packing group: III

Inland waterways transport (ADN)

- 14.1. UN number:** UN 1993
14.3. Transport hazard class(es): 3
14.4. Packing group: III

Marine transport (IMDG)

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

LASCOL ARO 60

Revision date: 24.01.2017

Product code: 249

Page 7 of 7

14.1. UN number: UN 1993**14.3. Transport hazard class(es):** 3**14.4. Packing group:** III**Air transport (ICAO-TI/IATA-DGR)****14.1. UN number:** UN 1993**14.3. Transport hazard class(es):** 3**14.4. Packing group:** III**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: yes

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 28: Kohlenwasserstoffe, C9-C11, n-Alkane, Isoalkane, Cyclene, <2% Aromaten; Naphtha (petroleum), hydrotreated heavy

Entry 55: 2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether

National regulatory information

Water contaminating class (D): 2 - clearly water contaminating

SECTION 16: Other information**Relevant H and EUH statements (number and full text)**

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
EUH019	May form explosive peroxides.
EUH031	Contact with acids liberates toxic gas.
EUH066	Repeated exposure may cause skin dryness or cracking.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)