

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

LASCOL ARO 1

Revision date: 07.02.2017

Product code: 112

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

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

Corrosion inhibitor

1.3. Details of the supplier of the safety data sheet

Company name:	LASCOL LUBRIFIANTS	
Street:	28 Avenue Carnot, BP 30038	
Place:	F-78290 CROISSY SUR SEINE	
Telephone:	+33 09.80.52.18.73	Telefax: +33 09.57.94.90.76
e-mail:	lascol.lubrifiants@gmail.com	

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Respiratory or skin sensitisation: Skin Sens. 1A

Aspiration hazard: Asp. Tox. 1

Hazardous to the aquatic environment: Aquatic Chronic 4

Hazard Statements:

May be fatal if swallowed and enters airways.

May cause an allergic skin reaction.

May cause long lasting harmful effects to aquatic life.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard components for labelling**

Weißöle nach dab

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics

synthetisches neutrales Calciumpetroleumsulfonat

Signal word: Danger**Pictograms:****Hazard statements**

H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H413	May cause long lasting harmful effects to aquatic life.

Precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302+P352	IF ON SKIN: Wash with plenty of water.
P321	Specific treatment (see information on this label).
P331	Do NOT induce vomiting.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

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Dispose of contents/container to hazardous waste.

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]			
8042-47-5	Weiole nach dab			50 - < 100 %
	232-455-8		01-2119487078-27	
	Asp. Tox. 1; H304			
64741-65-7	Hydrocarbons, C11-C12, isoalkanes, <2% aromatics			30 - < 35 %
	918-167-1		01-2119472146-39	
	Flam. Liq. 3, Asp. Tox. 1, Aquatic Chronic 4; H226 H304 H413			
	synthetisches neutrales Calciumpetroleumsulfonat			1 - < 2.5 %
	263-093-9			
	Skin Sens. 1A; H317			

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.

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:



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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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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

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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: brown
Odour: characteristic

Test method

pH-Value: not applicable

Changes in the physical state

Initial boiling point and boiling range: 187-213 °C

Flash point: 62 °C DIN 51755

Lower explosion limits: 0,6 vol. %

Upper explosion limits: 10 vol. %

Ignition temperature: >200 °C

Vapour pressure: not determined

Density (at 20 °C): 0,81 g/cm³ DIN 51757

Water solubility: The study does not need to be conducted because the substance is known to be insoluble in water

Viscosity / kinematic: 5 mm²/s ASTM D 7042
(at 40 °C)

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

Further information

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

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

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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
8042-47-5	Weißöle nach dab				
	oral	LD50 >5000 mg/kg	Ratte	OECD 401	
	dermal	LD50 >2000 mg/kg	Kaninchen	OECD 402	
	inhalative (4 h) vapour	LC50 >5000 mg/l	Ratte	OECD 403	
64741-65-7	Hydrocarbons, C11-C12, isoalkanes, <2% aromatics				
	oral	LD50 >5000 mg/kg	Rat		

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.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
8042-47-5	Weißöle nach dab					
	Acute fish toxicity	LC50 >1000 mg/l	96 h	Leuciscus idus	OECD 203	
64741-65-7	Hydrocarbons, C11-C12, isoalkanes, <2% aromatics					
	Acute fish toxicity	LC50 >1000 mg/l	96 h	Fish		

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)****Other applicable information (land transport)**

Not restricted

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Inland waterways transport (ADN)**Other applicable information (inland waterways transport)**

Not restricted

Marine transport (IMDG)**Other applicable information (marine transport)**

Not restricted

Air transport (ICAO-TI/IATA-DGR)**Other applicable information (air transport)**

Not restricted

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: Hydrocarbons, C11-C12, isoalkanes, <2% aromatics

National regulatory information

Water contaminating class (D): 1 - slightly 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.
H413	May cause long lasting harmful effects to aquatic life.

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