

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

LASCOL ALPHA 93

Revision date: 25.01.2017

Product code: 3100sp1

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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**

Cutting oil

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:	lascal.lubrifiants@gmail.com	

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

Hazard Statements:

Extremely flammable aerosol.

Pressurised container: May burst if heated.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on naked flames or any incandescent material. Keep away from sources of ignition - No smoking.

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

Keep out of the reach of children.

2.2. Label elements**Regulation (EC) No. 1272/2008****Signal word:** Danger**Pictograms:****Hazard statements**

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.

Precautionary statements

P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P271	Use only outdoors or in a well-ventilated area.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container to hazardous or special waste.

Special labelling of certain mixtures

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

Additional advice on labelling

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

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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]			
106-97-8	butane			10-25 %
	203-448-7	601-004-00-0		
	Flam. Gas 1; H220			
74-98-6	propane			3-10 %
	200-827-9	601-003-00-5		
	Flam. Gas 1; H220			
75-28-5	isobutane			1<=2,5 %
	200-857-2	601-004-00-0		
	Flam. Gas 1; H220			

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

Further Information

The highly refined mineral oil contains <3% (w/w) DMSOextract, according to IP346.

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

Move victim to fresh air. Put victim at rest and keep warm. Do not leave affected person unattended.

After inhalation

Provide fresh air.

Seek medical attention if problems persist.

After contact with skin

After contact with skin, wash immediately with: Water and soap.

After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Seek medical advice immediately.

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

No data available

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

No data available

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**Carbon dioxide (CO₂). Extinguishing powder. Atomized water.

Use alcohol resistant foam. for extinction.

Unsuitable extinguishing media

High power water jet.

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5.2. Special hazards arising from the substance or mixture

Heating causes rise in pressure with risk of bursting.

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes.

Additional information

Use water spray jet to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment. Keep away from unprotected people. Keep upwind. Provide adequate ventilation. High slip hazard because of leaking or spilled product. Remove all sources of ignition.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Provide adequate ventilation. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

6.4. Reference to other sections

See protective measures under point 7 and 8.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Handle and open container with care. Remove all sources of ignition.

Advice on protection against fire and explosion

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on naked flames or any incandescent material.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep in a cool, well-ventilated place.

storage temperature: 15 - 35 °C, Do not store at temperatures over: 50 °C

Official regulations for the storage of compressed gas containers are to be observed

Advice on storage compatibility

Do not store with strong oxidizing agents.

Further information on storage conditions

Maximum period of storage (time): 24 Monate

Store in a cool dry place. Protect from sunlight. Store in a well-ventilated place. Protect against: heat.

7.3. Specific end use(s)

No data available

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

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL

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

Wash hands before breaks and after work. Avoid contact with skin and eyes.

Eye/face protection

Eye protection: not required.

Hand protection

Tested protective gloves are to be worn: Nitrile. DIN EN 374

Thickness of glove material: > 480 min / 0,4mm

Respiratory protection

Do not breathe gas/fumes/vapour/spray.

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

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

Physical state:	Aerosol
Colour:	light yellow
Odour:	characteristic

Test method

pH-Value:	not applicable
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Changes in the physical state

Melting point:	not determined
Initial boiling point and boiling range:	-44 °C
Flash point:	not applicable

Explosive properties

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on naked flames or any incandescent material. Danger of bursting container. In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

Lower explosion limits:	1,5 vol. %
Upper explosion limits:	8,5 vol. %
Ignition temperature:	365 °C
Vapour pressure: (at 20 °C)	2500-4000 hPa
Density (at 20 °C):	0,77 g/cm ³
Solvent content:	0,0%

9.2. Other information

Vapours are heavier than air and will spread at floor level.

SECTION 10: Stability and reactivity**10.2. Chemical stability**

Do not expose to temperatures above 50 °C. Heating causes rise in pressure with risk of bursting.

10.3. Possibility of hazardous reactions

In use may form flammable/explosive vapour-air mixture.

10.4. Conditions to avoid

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Danger of bursting container.

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10.5. Incompatible materials

Oxidizing agents.

10.6. Hazardous decomposition products

In case of fire may be liberated: Pyrolysis products, toxic.

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****Acute toxicity**

Irritant effect on the skin: mild irritant.

Irritant effect on the eye: mild irritant.

There is no obligatory labelling requirement according to the Directive covering preparations 1999/45/EC.

CAS No	Chemical name					
	Exposure route	Dose	Species	Source	Method	
106-97-8	butane					
	inhalative (4 h) gas	LC50 ppm	273000	Rat	GESTIS	

Sensitising effects

no danger of sensitization.

SECTION 12: Ecological information**12.3. Bioaccumulative potential****Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
106-97-8	butane	2,89
74-98-6	propane	2,36
75-28-5	isobutane	2,8

Further information

Do not allow to enter into surface water or drains.

Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

still filled cans: Problem case collection

emptied aerosol cans: collecting recyclables

Waste disposal number of waste from residues/unused products

16

Waste disposal number of used product

1605

Waste disposal number of contaminated packaging

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

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

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
Hazard label: 2.1



Classification code: 5F
Limited quantity: LQ2

Other applicable information (land transport)

Special provisions: 190 625
E0
Transport category: 3
Tunnel restriction code: E
Special provisions: 190 - 327 - 625
Transport category: 2
Tunnel restriction code: D

Marine transport (IMDG)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
14.4. Packing group: -
Hazard label: 2, see SP63

Marine pollutant: •
Limited quantity: See SP277
EmS: F-D, S-U

Other applicable information (marine transport)

Special provisions: 63, 190, 277, 327, 959

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2.1
Hazard label: 2.1



Limited quantity Passenger: -
IATA-packing instructions - Passenger: Forbidden
IATA-max. quantity - Passenger: Forbidden
IATA-packing instructions - Cargo: 203
IATA-max. quantity - Cargo: 150 kg

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Other applicable information (air transport)

E0

:-

150 kg

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

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: butane; isobutane

2004/42/EC (VOC): 32,90

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water contaminating class (D): 2 - water contaminating

15.2. Chemical safety assessment

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

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

H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

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