

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**LASCOL DK 12**

Revision date: 02.02.2017

Product code: 10

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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**

Watersoluble Metalworkingfluid

**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 categories:

Serious eye damage/eye irritation: Eye Irrit. 2

Respiratory or skin sensitisation: Skin Sens. 1

Hazard Statements:

May cause an allergic skin reaction.

Causes serious eye irritation.

**2.2. Label elements****Regulation (EC) No. 1272/2008****Hazard components for labelling**2,2',2''-(Hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol; 1,3,5-tris(2-hydroxyethyl)hexahydro-1,3,5-triazine  
2-n-butyl-benzo[d]isothiazol-3-one**Signal word:** Warning**Pictograms:****Hazard statements**

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

**Precautionary statements**

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P321	Specific treatment (see information on this label).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents/container to hazardous or special waste.

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

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**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
4719-04-4	2,2',2''-(Hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol; 1,3,5-tris(2-hydroxyethyl)hexahydro-1,3,5-triazine			2.5 - < 5 %
	225-208-0	613-114-00-6		
	Acute Tox. 4, Skin Sens. 1; H302 H317			
	Ethanolamin			1 - < 2.5 %
	205-483-3		01-2119486455-28	
	Skin Irrit. 2, Eye Dam. 1; H315 H318			
4299-07-4	2-n-butyl-benzo[d]isothiazol-3-one			0.1 - < 1 %
	420-590-7	606-079-00-3		
	Skin Corr. 1B, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H314 H317 H400 H410			
10043-35-3	boric acid (neutralized)			< 5%
			01-2119486683-25	

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

**Further Information**

Concentration BORIC ACID: &lt;5,5%

**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. 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. Foam. Dry extinguishing powder. Carbon dioxide (CO<sub>2</sub>).**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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Nitrogen oxides (NOx).  
Carbon monoxide  
Carbon dioxide (CO2).

#### **5.3. Advice for firefighters**

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

### **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**

Contain and control the leaks or spills with noncombustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal  
Do not allow to enter into surface water or drains.

#### **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). Large quantities remove mechanically  
Clean contaminated articles and floor according to the environmental legislation. Clean with detergents. Avoid solvent cleaners.

### **SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

##### **Advice on safe handling**

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**

When using do not eat, drink or smoke.  
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  
Maximum period of storage (time): 1 Jahr

##### **Advice on storage compatibility**

Keep away from food, drink and animal feedingstuffs.  
Do not store with strong oxidizing agents.

##### **Further information on storage conditions**

te regulations relating to storage premises apply to workshops where the product is handled.  
Maximum period of storage (time):

### **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.

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**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:	orange
Odour:	characteristic

pH-Value (at 20 °C):	in aqueous solution 5% ; 9,2	<b>Test method</b> DIN 51369
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**Changes in the physical state**

Flash point:	not applicable	
Ignition temperature:	not determined	
Vapour pressure:	not determined	
Density (at 20 °C):	1,1 g/cm <sup>3</sup>	EN ISO 12185
Viscosity / kinematic: (at 20 °C)	14 mm <sup>2</sup> /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. acid.

**10.6. Hazardous decomposition products**

Hazardous decomposition products: none

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**



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**Acute toxicity**

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
4719-04-4	2,2',2''-(Hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol; 1,3,5-tris(2-hydroxyethyl)hexahydro-1,3,5-triazine				
	oral	ATE 500 mg/kg			
10043-35-3	boric acid (neutralized)				
	oral	LD50 3000-4000 mg/kg	Rat		
	dermal	LD50 2000 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**

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
	Ethanolamin					
	Acute fish toxicity	LC50 1000 mg/l	96 h			
	Acute crustacea toxicity	EC50 1000 mg/l	48 h			
10043-35-3	boric acid (neutralized)					
	Acute fish toxicity	LC50 1,02 mg/l	96 h	Fish		
	Acute crustacea toxicity	EC50 658-875 mg/l	48 h	Crustacea		

**12.2. Persistence and degradability**

Additional information: none

**12.3. Bioaccumulative potential**

Can be concentrated in organisms.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
4719-04-4	2,2',2''-(Hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol; 1,3,5-tris(2-hydroxyethyl)hexahydro-1,3,5-triazine	-1,15

**12.4. Mobility in soil**

in delivery condition: liquid

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

Completely emptied packings can be re-cycled. Dispose of waste according to applicable legislation.

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

Not restricted

**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**

Authorisations (REACH, annex XIV):

Substances of very high concern, SVHC (REACH, article 59):  
boric acid (neutralized)

Restrictions on use (REACH, annex XVII):

Entry 30: boric acid (neutralized)

2004/42/EC (VOC): 7,868 % (86,548 g/l)

**National regulatory information**

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

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

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

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