



CMCO Engineered Products GmbH · Subsidiary Heilbronn  
Ochsenbrunnenstraße 10 · 74078 Heilbronn/Germany

**EG safety data sheet after 91/155/EG – FORMAX 50**

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**1. Material identification / material preparation / company identification**

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Name of the product: Lubriffin-Schmierfett Extraklasse-blau

Description of the product: high alkaline high-temperature-grease with calciumsulfonate

Manufacture: Lubriffin-Schmierstoffe Hans-Joachim Eifert  
Tilsiter Straße 53, DE-69502 Hemsbach

Emergency hot line: 0049-(0)6201-75990; Fax: -45268

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**2. Composition / details of substance**

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CAS-No.:	61788-76-9	Chlorine alkane	ratio: 5-30 %
CAS-No.:	./.	high alkaline calciumsulfonat	ratio: 70-90 %
The grease no silicone contains!			

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**3. Potential danger**

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No classification after 88/379/EWG

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**4. first-aid-measure**

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After contact with the skin: clean contaminated skin parts with soap and water; contaminated clothing has to be changed

After contact with the eyes: flush eyes with floating water (approx. 10min);  
Consult a doctor

After inhalation: no inhalation possible in this consistency

If swallowed: use to drink lots of water, DO NOT induce vomiting  
Consult immediately a doctor (show the safety data sheet)

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**5. Extinguishing measure**

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Suitable extinguishing device: CO<sup>2</sup>, Powder W, PG, K, Sand

Special risks: Use filter mask (beware of carbon monoxide and/or hydrochloric acid!)

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**6. Measures at accidentally releasing**


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Measure for absorption and cleaning:	hold with absorbing material (sand, sawdust, Vermiculit etc.), disposal after waste regulation. Final cleaning!
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**7. Handling and Stocking**


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Handling:	like grease, no special regulations known
Stocking:	keep container closed, store cool but above freezing point
Leaking:	do not let the product flow into drains or water course

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**8. Limit of Exposure and personal safety regulations**


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Personal protective equipment:	breathing protection: not necessary Eye protection: as lubricating oil Hand protection: use chemical safe gloves
Specification for work hygiene:	change contaminate clothing immediately Clean hands and skin after working Do not Eat, Drink or Smoke while working with this product
MAK-Data:	no Specification known

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**9. Physical and chemical properties**


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Color:	dark blue
Odors:	typical, comfortable
State of aggregation:	paste-like
Coagulant-, boiling-, ignition temp.:	no specification (DIN 51538, DIN 51794)
Density (@ 15°C):	1g / cm <sup>3</sup>
Ignition point:	235°C closed cup (c.c.)
Kinematical viscosity @40°C:	1, 5 (after NLGI-Standard)
Water solubility @ 20°C:	unsolvable
Benzine solubility @20°C:	no specification
Vapor-pressure (20°C):	< 5mm Hg
Thermal decomposition:	not below 350°C
Walk penetration (250°C):	283-315

## 10. Stability and reactivity

Avoid following conditions:	extreme heat
Avoid following materials:	strong oxidizer, strong Acids, strong bases
Hazardous products of Decomposition:	carbonic oxide gas, Vapors of hydrochloric acid (After overheating)

## 11. Toxicology details

Acute toxicity:	(LD 50) oral, rat: > 7g/kg weight of the rat (Chlorine alkane)
Further toxicity:	no further information
Effects of inhalation:	No negative effects noticed in practical experience (High preventative: inhalation of vapor could be the reason of irritation, sickness, headache and / or dizziness)
Eye irritation:	possible, but never seen in practical experience
Skin irritation:	possible, but never seen in practical experience
Chronic toxicity:	not know
Kanzerogenität:	no further information
Mutagenicity, Teratogenicity:	no further information

## 12. Ecology information

Ecotoxicology:	no further information
Degradability	persistent

## 13. Waste disposal advice

Instruction:	The manufacture take care about the waste disposal The EWC-Waste code has to seen as a reference (Waste-code for the not used product: 55356)		
Product:	EWC-Code:	120112	
	EWC-Group:	used wax and grease (Waste from mechanical manufacturing [Forging, welding, pressing, drawing, Lathing, drilling, cutting, sawing und Filing])	
	EWC-Code:	200109	
	EWC-Group:	Lubrication and Grease (Separate collected fractions)	
	Packaging:	Waste disposal after official laws and orders. Handle contaminated packaging like the same as the marital it self. Non contaminated packaging can be handled like normal waste or has to be returned to the recycling process, if not classified by official laws and orders.	

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**14. Transport specifications**


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Overland freight (ADR, GGVS, RID, GGVE):	class:	no dangerous goods after Transport regulations
	No., character:	
	UN-Nr., specification:	
Sea freight (IMDG, GGVSee):	Class:	no dangerous goods after Transport regulations
	No., character:	
	UN-Nr., proper Shipping name:	
Air freight (ICAO-TI/IATA-DGR):	Class:	no dangerous goods after Transport regulations
	No., character:	
	UN-Nr., specification:	

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**15. Set of regulations**


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Identification according to the rules of the EG (GefStoff/EG):	Symbol, description, R-phrases, S-phrases:	no marking (after 88/379 EWG)
German regulation:	TA Air:	Class III
	Safety regulation for Water:	2 (VwVwS from 17.05.1999)
	VbF:	not useable
	Stocking class (VCI-reference):	LGK 13
	Usable regulations:	assignment for lubrications grease e.g.: Manufacturer of ball bearings

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**16. Other readings**


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The specifications that are made in point 1-15 are made by the knowledge of today and give a description of this product in focus of the safety regulation.

It will not give a written agreement about the properties of this product

This safety data sheet depends on the basic information of the Manufacturer and is composed by Dr.-Reinschmidt-Gefahrgutberatung / Weingarten/ Baden

Closer information about the chemical ingredients and the mixture are not given by the Manufacture.

The original Form is German

Translation by ALLTEC Antriebstechnik GmbH / Heilbronn

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