

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 08.11.2022

Version number 1.7 (replaces version 1.6)

Revision: 01.03.2021

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

**Trade name:** Boss Fluid AVKP Blue**Article number:** Krug & Priester Artikel-Nummern: 9000 621; 9005 896; 9005 786; 9000 622

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

**Application of the substance / the mixture** Cutting oil

#### 1.3 Details of the supplier of the safety data sheet

**Manufacturer/Supplier:**

Boss Lubricants GmbH &amp; Co. KG

Chemnitzer Str. 15

72458 Albstadt

Germany

Tel.: +49(0)74 31 - 70 18 18 - 0

Fax: +49(0)74 31 - 70 18 18 - 19

msds@boss-oil.de

**Further information obtainable from:** Product safety department

#### 1.4 Emergency telephone number:

**Boss Helpline:** +49(0)74 31 - 70 18 18 - 0 during the ordinary opening hours (Mo-Fr, 9.00 am - 4.00 pm)

UK (England, Scotland, Wales): Poison Information Centre, Tel. 111

UK (Northern Ireland): contact your local GP

Ireland: NPI Centre 353 (1) 809 2166 (8 am - 10 pm, 7 d/week). Healthcare Profs: 353 (1) 809 2566 (24/7)

### SECTION 2: Hazards identification

#### 2.1 Classification according to Regulation (EC) No 1272/2008

The product is not classified, according to the GB CLP regulation.

#### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008** Void**Hazard pictograms** Void**Signal word** Void**Hazard statements** Void

#### 2.3 Other hazards

**Results of PBT and vPvB assessment****PBT:** This substance is neither persistent, bioaccumulative nor toxic (PBT).**vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

#### 3.2 Chemical characterisation: Preparation

**Description:**

Mixture of mineral oil and harmless additives.

Not classified as a dangerous preparation according to Directive 1272/2008/EC (GHS).

**Dangerous components:**

CAS: 72623-87-1	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	50- <100%
EINECS: 276-738-4		

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**Additional information:**

The mineral oils in this product contain &lt; 3% DMSO extract (IP346).

For the wording of the listed hazard phrases refer to section 16.

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

Take affected persons out into the fresh air.

Do not leave affected persons unattended.

Personal protection for the First Aider.

**After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:**

Generally the product does not irritate the skin.

Wash contaminated skin with water and soap and rinse thoroughly. Remove contaminated clothing. Get medical attention if symptoms occur.

**After eye contact:**

Rinse opened eye for several minutes under running water. Remove contact lenses, continue rinsing. If symptoms persist, consult a doctor.

**After swallowing:** Do not induce vomiting; call for medical help immediately.**4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.**4.3 Indication of any immediate medical attention and special treatment needed** Treat symptomatically.**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing agents:**CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**For safety reasons unsuitable extinguishing agents:** Water with full jet.**5.2 Special hazards arising from the substance or mixture**

Formation of toxic/irritant gases is possible during heating or in case of fire.

Products of decomposition see chapter 10.

**5.3 Advice for firefighters** suitable fire suppressants: carbon dioxide (CO<sub>2</sub>), foam, water, dry chemical**Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

**Additional information**

Collect contaminated fire fighting water separately. It must not enter the sewage system.

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

Wear protective equipment. Keep away unprotected persons.

Ensure adequate ventilation

Particular danger of slipping on leaked/spilled product.

Keep away from open flames, hot surfaces and sources of ignition.

Avoid contact with skin and eyes.

Do not inhale vapours and aerosols.

Close leakage without taking personal risks.

**6.2 Environmental precautions:**

Do not allow to enter sewers/ surface or ground water.

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*In case of seepage into the ground inform responsible authorities.*

**6.3 Methods and material for containment and cleaning up:**

*Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).*

*Dispose contaminated material as waste according to item 13.*

**6.4 Reference to other sections**

*See Section 7 for information on safe handling.*

*See Section 8 for information on personal protection equipment.*

*See Section 13 for disposal information.*

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

*Prevent longer or repeated contact with skin.*

*Prevent contact with eyes.*

*Keep receptacles tightly sealed.*

*Prevent formation of aerosols.*

*Particular danger of slipping on leaked/spilled product.*

*Keep away from food, drink and animal feeding stuffs.*

*Wash hands before breaks and at end of work*

*Do not eat, drink or smoke while working.*

**Information about fire - and explosion protection:**

*Keep away ignition sources - Do not smoke.*

*Do not spray onto a naked flame or any incandescent material.*

**7.2 Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:**

*Provide solvent resistant, sealed floor.*

*Prevent any seepage into the ground.*

**Information about storage in one common storage facility:**

*Store away from oxidising agents.*

*Store away from food, beverage and feedingstuff.*

**Further information about storage conditions:**

*Keep container tightly sealed.*

*Store in cool, dry conditions in well sealed receptacles.*

**Storage class:** 10 - flammable liquid, flashpoint >60°C

**7.3 Specific end use(s) No further relevant information available.****SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

**Ingredients with limit values that require monitoring at the workplace:** TWA: 5 mg/m<sup>3</sup> (oil mist)

**Additional information:** The lists that were valid during the creation were used as basis.

**8.2 Exposure controls**

**Appropriate engineering controls** No further data; see item 7.

**General protective and hygienic measures:**

*Do not eat or drink while working.*

*Keep away from foodstuffs, beverages and feed.*

*Immediately remove all soiled and contaminated clothing*

*Wash hands before breaks and at the end of work.*

*Do not inhale gases / fumes / aerosols.*

*Avoid close or long term contact with the skin.*

*Avoid contact with the eyes.*

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**Respiratory protection:**

Not necessary if room is well-ventilated.

Use suitable respiratory protective device only when aerosol or mist is formed.

Filter A/P2

**Hand protection**

If used properly, no protective gloves are required. Avoid skin contact.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

**Material of gloves**

Use solvent/hydrocarbon resistant gloves. Suitable are gloves from: nitrile rubber (thickness &gt;0,38 mm, breakthrough time &gt; 480 min), fluorocarbon rubber (thickness &gt;0,38 mm, breakthrough time &gt; 480 min).

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye/face protection**

Safety glasses with side protection (EN 166).

**Body protection:** Protective work clothing (EN 14605)**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information**

<b>Colour:</b>	Light blue
<b>Odour:</b>	Odourless
<b>Odour threshold:</b>	Not determined.
<b>Melting point/freezing point:</b>	Not determined.
<b>Boiling point or initial boiling point and boiling range</b>	> 200 °C
<b>Flammability</b>	Not applicable.
<b>Flash point:</b>	> 180 °C
<b>Ignition temperature:</b>	Not determined.
<b>Decomposition temperature:</b>	Not determined.
<b>Viscosity:</b>	
<b>Kinematic viscosity at 40 °C</b>	30 mm <sup>2</sup> /s
<b>Solubility</b>	
<b>water:</b>	Not miscible.
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Density and/or relative density</b>	
<b>Density at 20 °C:</b>	0.85 g/cm <sup>3</sup>

**9.2 Other information****Appearance:****Form:** Fluid**Important information on protection of health and environment, and on safety.****Auto-ignition temperature:** Product is not selfigniting.**Explosive properties:** Product does not present an explosion hazard.**Change in condition****Softening point/range****Oxidising properties** Non oxidising.

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**Information with regard to physical hazard classes**

<b>Explosives</b>	Void
<b>Flammable gases</b>	Void
<b>Aerosols</b>	Void
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void
<b>Flammable liquids</b>	Void
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void
<b>Pyrophoric liquids</b>	Void
<b>Pyrophoric solids</b>	Void
<b>Self-heating substances and mixtures</b>	Void
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
<b>Oxidising liquids</b>	Void
<b>Oxidising solids</b>	Void
<b>Organic peroxides</b>	Void
<b>Corrosive to metals</b>	Void
<b>Desensitised explosives</b>	Void

**SECTION 10: Stability and reactivity****10.1 Reactivity** Stable under recommended storage conditions.**10.2 Chemical stability** Stable under normal conditions.**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.**10.3 Possibility of hazardous reactions** No dangerous reactions known.**10.4 Conditions to avoid**

Heat, flames and sparks.

Keep away from strong oxidizing agents.

**10.5 Incompatible materials:** strong oxidants**10.6 Hazardous decomposition products:**

In case of fire:

CO<sub>2</sub>, CO, NO<sub>x</sub>, SO<sub>x</sub>

Under certain conditions of fire, other toxic/irritant substances may form.

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity** Based on available data, the classification criteria are not met.**LD/LC50 values relevant for classification:**

Oral LD50 &gt;5,000 mg/kg (calculation)

Dermal LD50 &gt;5,000 mg/kg (calculation)

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.**Serious eye damage/irritation** Based on available data, the classification criteria are not met.**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.**Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure** Based on available data, the classification criteria are not met.

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**STOT-repeated exposure** Based on available data, the classification criteria are not met.**Aspiration hazard** Based on available data, the classification criteria are not met.**Other information (about experimental toxicology):**

Eye contact: Slight irritation possible, but not relevant to classification.

Inhalation: Inhalation of oil mist can provoke irritations, head ache, nausea and dyspnoea.

**11.2 Information on other hazards****Endocrine disrupting properties**

None of the ingredients is listed.

**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:**

LC50 &gt;1,000 mg/l (fish) (96 h)

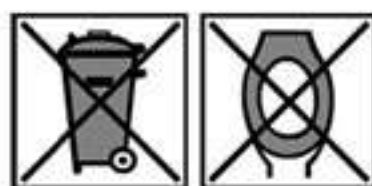
EC50 >1,000 mg/kg (*Daphnia magna*) (48 h)

IC50 &gt;1,000 mg/l (algae) (72 h)

**12.2 Persistence and degradability** biodegradable**12.3 Bioaccumulative potential** Product is not bioaccumulative.**12.4 Mobility in soil** After release, adsorbs onto soil.**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.**12.7 Other adverse effects** Does not get into sewage at intended use.**Other information:****General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Must be specially treated adhering to official regulations.

**Uncleaned packaging:****Recommendation:** Disposal must be made according to official regulations.**SECTION 14: Transport information****14.1 UN number or ID number**

ADR, ADN, IMDG, IATA

not regulated

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**14.2 UN proper shipping name**  
ADR, ADN, IMDG, IATA *not regulated*

**14.3 Transport hazard class(es)**  
ADR, ADN, IMDG, IATA  
Class *not regulated*

**14.4 Packing group**  
ADR, IMDG, IATA *not regulated*

**14.5 Environmental hazards:** *Not applicable.*

**14.6 Special precautions for user** *Not applicable.*

**14.7 Maritime transport in bulk according to IMO instruments** *Not applicable.*

**Transport/Additional information:**

**IMDG**  
**Limited quantities (LQ)** *not any*

**UN "Model Regulation":** *not regulated*

### **SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
**Labelling according to Regulation (EC) No 1272/2008** *Void*

**Hazard pictograms** *Void*

**Signal word** *Void*

**Hazard statements** *Void*

**Directive 2012/18/EU**

**Named dangerous substances - ANNEX I** *None of the ingredients is listed.*

**15.2 Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

### **SECTION 16: Other information**

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

**Classification according to Regulation (EC) No 1272/2008**

*The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.*

**Contact:** [msds@boss-oil.de](mailto:msds@boss-oil.de)

**Abbreviations and acronyms:**

**ADR:** *Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)*

**IMDG:** *International Maritime Code for Dangerous Goods*

**IATA:** *International Air Transport Association*

**GHS:** *Globally Harmonised System of Classification and Labelling of Chemicals*

**EINECS:** *European Inventory of Existing Commercial Chemical Substances*

**ELINCS:** *European List of Notified Chemical Substances*

**CAS:** *Chemical Abstracts Service (division of the American Chemical Society)*

**LC50:** *Lethal concentration, 50 percent*

**LD50:** *Lethal dose, 50 percent*

**PBT:** *Persistent, Bioaccumulative and Toxic*

**vPvB:** *very Persistent and very Bioaccumulative*

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