

Safety Data Sheet

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according to 1907/2006/EC, Article 31

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1 Identification of the substance/preparation and of the company/undertaking

Product details

Trade name:	AVILUB WEISSOEL STANDARD 9723
Application / Use:	Special lubricant
Article number:	459200
Application of the substance / the preparation	Special lubrication fluid
Manufacturer/Supplier:	Hermann Bantleon GmbH Blaubeurer Strasse 32 D - 89077 Ulm Tel: +49 (0) 731 / 3990-0 Fax: +49 (0) 731 / 3990-10
Further information obtainable from:	Department: safety / environment Contact specialist: hsse@bantleon.de
Information in case of emergency:	During working hours: +49 (0) 731 / 39 90-38 Emergency Center Munich: +49 (0) 89 / 1 92 40

2 Hazards identification

Hazard description:	Not applicable.
Information concerning particular hazards for human and environment:	The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
Classification system:	The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

* 3 Composition/information on ingredients

Chemical characterization	
Description:	Mixture of substances listed below with nonhazardous additions.
Dangerous components:	
On the basis of available information, the components of this preparation are not expected to impart hazardous properties to this product.	
Additional information:	For the wording of the listed risk phrases refer to section 16. components with threshold limit values are mentioned at section 8.

* 4 First-aid measures

General information:	No special measures required.
After inhalation:	No specific measures required.
After skin contact:	Immediately wash with water and soap and rinse thoroughly.
After eye contact:	Rinse opened eye for several minutes under running water.
After swallowing:	Seek immediate medical advice.
Information for doctor:	Treat symptomatically

* 5 Fire-fighting measures

Suitable extinguishing agents:	CO ₂ , sand, extinguishing powder. Do not use water.
For safety reasons unsuitable extinguishing agents:	Water with full jet
Special hazards caused by the substance, its products of combustion or resulting gases:	Carbon monoxide (CO) Formation of toxic gases is possible during heating or in case of fire. With the burn develop oxides of carbon, nitrogen, sulfur as well as not-identified organic and inorganic compounds.
Protective equipment:	Wear self-contained respiratory protective device. Do not inhale explosion gases or combustion gases. Wear fully protective suit.

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Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures**Person-related safety precautions:**

Not required.
Particular danger of slipping on leaked/spilled product.
Wear protective clothing.

Measures for environmental protection:

Do not allow to enter sewers/ surface or ground water.
Prevent from spreading (e.g. by damming-in or oil barriers).

Measures for cleaning/collecting:

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

Additional information:

Dispose of the material collected according to regulations.
No dangerous substances are released.

7 Handling and storage**Handling:****Information for safe handling:**

No special measures required.
Keep receptacles tightly sealed.
Store in cool, dry place in tightly closed receptacles.

Information about fire - and explosion protection:

fire class DIN EN 2: B

Storage:**Requirements to be met by storerooms and receptacles:**

No special requirements.
Store only in the original receptacle.
Provide floor trough without outlet.
Prevent any seepage into the ground.

Information about storage in one common storage facility:

Store away from foodstuffs.
Store away from oxidizing agents.

Further information about storage conditions:**Storage class:**

Storage temperature: 5 to 40 °C
10 (Germany)

*** 8 Exposure controls/personal protection****Additional information about design of technical facilities:**

No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

Not required.

Additional Occupational Exposure Limit Values for possible hazards during processing:

Not applicable

Additional information:

The lists valid during the making were used as basis.
If formation of steam, mist or aerosols take place the concentration in the air has to be kept at the the lowest possible level.

Personal protective equipment:**General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.
Not required.

Respiratory protection:**Protection of hands:**

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
safety gloves of nitrile rubber or viton.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves

Fluorocarbon rubber (Viton)
Nitrile rubber, NBR
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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Value for the permeation: Level \geq 6
Goggles recommended during refilling

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Body protection: Protective work clothing

9 Physical and chemical properties**General Information**

Form:	Fluid
Colour:	Colourless
Odour:	Mild
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
Flash point:	> 180°C (DIN ISO 2592)
Self-igniting:	Product is not selfigniting.
Danger of explosion:	The product shows no danger of explosion, but it may build explosive mixtures with air.
Explosion limits:	
Lower:	0.6 Vol %
Upper:	7 Vol %
Vapour pressure at 20°C:	<0.1 hPa (-)
Density at 15°C:	0.853 g/cm ³ (DIN 51 757)
Solubility in / Miscibility with water:	Not miscible or difficult to mix.
Viscosity:	
Kinematic at 40°C	20 mm ² /s (DIN 51 562)

10 Stability and reactivity

Thermal decomposition / conditions to be avoided:	Protect from heat and direct sunlight.
Dangerous reactions	Flammable. Reacts with strong oxidizing agents. The product sustains combustion.
Dangerous decomposition products:	No dangerous decomposition products known.
Additional information:	This product is a combustible liquid.

11 Toxicological information

Acute toxicity:	
LD/LC50 values relevant for classification:	LD50: > 2000 mg/kg (rat, oral)
Specific symptoms in biological assay:	No data available.
Primary irritant effect:	
on the skin:	No irritant effect.
on the eye:	No irritating effect.
Sensitization:	No sensitizing effects known.
Subacute to chronic toxicity:	Prolonged and /or repeated contact may cause defatting of the skin which can lead to dermatitis and may make the skin more susceptible to irritation and penetration by other materials.
Additional toxicological information:	The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12 Ecological information

Behaviour in environmental systems:	
Mobility and bioaccumulation potential:	The product is not soluble in water. If it enters soil, it will adsorb to soil particles and will not be mobile. The product has potential to bioaccumulate. Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected.

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General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow product to reach ground water, water course or sewage system.

***13 Disposal considerations**

Product: Smaller quantities can be disposed of with household waste.

European waste catalogue	
13 02 05	nichtchlorierte Maschinen-, Getriebe- und Schmieröle auf Mineralölbasis

Uncleaned packaging: Clean complete packing. Handover to authorized disposal company.
Recommendation: Disposal must be made according to official regulations.
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

***14 Transport information**

Land transport ADR/RID (cross-border)
ADR/RID class: -
Non-dangerous goods

Maritime transport IMDG:
IMDG Class: -
Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:
ICAO/IATA Class: -

***15 Regulatory information**

Labelling according to EU guidelines: Observe the general safety regulations when handling chemicals.
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

Safety phrases: 56 Dispose of this material and its container to hazardous or special waste collection point.

National regulations:

Information about limitation of use: None

Breakdown regulations: The product is not subject to the regulation of hazardous incidents (12. BImSchV).

Technical instructions (air):
Class Share in % Value according to TA Luft Kap. 5.2.5. Organic Substances

Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

***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.
Recommendation of the manufacturer:
Absorb spilled liquid media with AVILUB OELBINDER and dispose in accordance with local regulations. For skin protection when handling water-mixable and not-water-mixable media we recommend application of COVER SKIN.

Any further questions?
Your technical advisor will be glad to give further information.

Department issuing MSDS: Department: Safety/Environment
Contact: department: safety / environment
Contact specialist: hsse@bantleon.de