

Safety data sheet

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according to 1907/2006/EC, Article 31 and 830/2015/EC respectively

Printing date: 04.07.2016

**Version number 4

Revision: 01.07.2016

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Trade name: **HOCHLEISTUNGSOEL SZ 9850**
Application / Use: Industrial lubricant

Article number: 4496
1.2 Relevant identified uses of the substance or mixture and uses advised against:
Application of the substance / the preparation: Lubricating oil
Uses advised against: No further relevant information available.

1.3 Details of the supplier of the safety data sheet

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: Product safety
Contact specialist: hse@bantleon.de

1.4 Emergency telephone number: In case of emergency ONLY:
During working hours (CET):
+49 (0) 731 / 39 90 260 or +49 (0) 731 / 39 90 250
Emergency response (24 hours) CHEMTREC:
+1-703-527-3887
+44-870-8200418 (United Kingdom)
+31-858880596 (Netherlands)
0-800-983-611 (South Africa)

*** SECTION 2: Hazards identification**

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No
1272/2008

The product is not classified according to the CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No
1272/2008

Hazard pictograms

Void

Signal word

Void

Hazard statements

Void

Precautionary statements

Void

Additional information:

P501 Dispose of contents/container in accordance with local regulations.

EUH210 Safety data sheet available on request.

2.3 Other hazards**Results of PBT and vPvB assessment**

PBT:

Not applicable.

vPvB:

Not applicable.

*** SECTION 3: Composition/information on ingredients****3.2 Mixture**

Description: Mixture

Dangerous components: On the basis of available information, the components of this preparation are not expected to impart hazardous properties to this product.

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Additional information:

The wording of the hazard symbols and H-phrases is specified in section 16 if dangerous ingredients are mentioned.
Components with threshold limit values are mentioned at section 8.

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

No special measures required.

After inhalation:

Supply fresh air.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

After eye contact:

Rinse opened eye for several minutes under running water. 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.

Information for doctor:

Treat symptomatically.

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

No further relevant information available.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents:**CO₂, sand, extinguishing powder.

Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents:

Do not use water with full jet.

5.2 Special hazards arising from the substance or mixture:

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

In case of fire, the following can be released:

Nitrogen oxides (NO_x)

Carbon monoxide (CO)

Sulphur oxide (SO_x)**5.3 Advice for firefighters****Protective equipment:**

Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

Wear fully protective suit.

Additional information:

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

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

Particular danger of slipping on leaked/spilled product.

Wear protective clothing.

6.2 Environmental precautions:

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

Prevent from spreading (e.g. by damming-in or oil barriers).

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 section 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**

Store in cool, dry place in tightly closed receptacles.

Handling:

When handling product in drums use safety footwear and suitable tools. At work please do not eat, drink or smoke.

Information about fire - and explosion protection:

Fire class DIN EN 2: B

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

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 oxidising agents.
Store away from water.

Further information about storage conditions:

Recommended storage temperature: 5 to 40 °C

Shelf life from date of dispatch:

Maximum 3 years

7.3 Specific end use(s):

For more information see technical information.

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

No further data; see section 7.

8.1 Control parameters**Ingredients with limit values that require monitoring at the workplace:****Additional Occupational Exposure Limit Values for possible hazards during processing:**TLV-TWA oil mist 5 mg/m³**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 lowest possible level.

8.2 Exposure controls**Personal protective equipment:****General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.
Avoid close or long term contact with the skin.

Respiratory protection:

No respiratory protection is ordinarily required under normal conditions of use.
Select a filter suitable for combined particulate/ gases and organic vapours (boiling point > 65 °C, EN 14387), if exposure limit is exceeded or when aerosol or mist is formed.

Protection of hands:

Safety gloves of nitrile rubber or viton.
Preventive skin protection by use of skin-protecting agents is recommended.

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.

Value for the permeation: Level = 6 (480 min)

Eye protection:

Goggles recommended during refilling.

Body protection:

Protective work clothing.

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

Form: Fluid
Colour: Black
Odour: Mild
Odour threshold: Not determined.

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pH-value:	Not determined.
Change in condition	
Melting point/Melting range:	Not determined.
Boiling point/Boiling range:	Not determined.
Drip point:	Not determined.
Flash point:	>180 °C (DIN ISO 2592)
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Self-igniting:	Product is not selfigniting.
Danger of explosion:	The product shows no danger of explosion, but it may build explosive mixtures with air (by vaporisation, oil mist formation, heating above the flash point).
Explosion limits:	
Lower:	0.6 Vol % (typ.)
Upper:	7.0 Vol % (typ.)
Vapour pressure:	Not determined.
Density at 15 °C:	0.876 g/cm ³ (DIN 51 757)
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic at 40 °C:	46 mm ² /s (DIN 51 562)
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity	See 10.2 to 10.6
10.2 Chemical stability:	Stable at normal conditions.
Thermal decomposition / conditions to be avoided:	Avoid contact with heat, sparks, flames and all other sources of ignition.
10.3 Possibility of hazardous reactions:	Reacts with strong oxidising agents.
10.4 Conditions to avoid	No specific data available.
10.5 Incompatible materials:	No further relevant information available.
10.6 Hazardous decomposition products:	No dangerous decomposition products known.
Additional information:	Product is not classified as inflammable but can burn.

*** SECTION 11: Toxicological information**

11.1 Information on toxicological effects	These statements are based on data for components of the material or for similar materials.
Acute toxicity	Based on available data, the classification criteria are not met.
Primary irritant effect:	
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.
by inhalation:	No irritant effect expected.
Respiratory or skin sensitisation	Based on available data, the classification criteria are not met.

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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.
CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)	
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.
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.

SECTION 12: Ecological information

12.1 Toxicity	
Aquatic toxicity:	No further relevant information available.
12.2 Persistence and degradability	No further relevant information available.
12.3 Bioaccumulative potential	No further relevant information available.
12.4 Mobility in soil	The product is not soluble in water. If it enters soil, it will adsorb to soil particles and will not be mobile.
Additional ecological information:	
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.
12.5 Results of PBT and vPvB assessment	
PBT:	Not applicable.
vPvB:	Not applicable.
12.6 Other adverse effects:	No further relevant information available.

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.

European waste catalogue	
12 01 07*	mineral-based machining oils free of halogens (except emulsions and solutions)

Uncleaned packaging:	Empty packing completely. 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.

SECTION 14: Transport information

14.1 UN-Number	
ADR, ADN, IMDG, IATA	Void
14.2 UN proper shipping name	
ADR, ADN, IMDG, IATA	Void
14.3 Transport hazard class(es)	
ADR, ADN, IMDG, IATA	Void
Class	Void
14.4 Packing group	
ADR, IMDG, IATA	Void
14.5 Environmental hazards:	
Marine pollutant:	No

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according to 1907/2006/EC, Article 31 and 830/2015/EC respectively

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14.6 Special precautions for user Not applicable.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.

UN "Model Regulation": Void

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Directive 2012/18/EU

Named dangerous substances - ANNEX I

None of the ingredients is listed.

National regulations:

Waterhazard class:

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

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

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.

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.

Department issuing SDS:

Department: Product safety

Contact:

hse@bantleon.de

Abbreviations and acronyms:

ADR: Accord européen sur le transport 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)
 vPvB: very Persistent and very Bioaccumulative

* Data compared to the previous version altered.

**Information about the version number:

Replaces all previous versions.