

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

Printing date 14.07.2022

Version: 2 (replaces version 1)

Revision: 14.07.2022

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

- **1.1 Product identifier**
- **Trade name:** **METALON® M Hochleistungsschmierstoff**
- **UFI:** 5KYS-40XM-R00W-U2U5
- **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**  
Anti-Wear Friction Fighter for metallic surfaces  
Use pattern : Professional use only
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
BOHA AG  
Baselstrasse 6A  
4243 Dittingen  
Tel. + 41 (0)61 761 16 16  
www.boha.ch  
E.-Mail: info@metalon.ch
- **Further information obtainable from:** E-Mail: info@metalon.ch
- **1.4 Emergency telephone number:**  
Tox Info Suisse: 145/24 h  
Emergency phone number: + 41 44 151 51 51 (24h/7d)

**SECTION 2: Hazards identification**

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



GHS08 health hazard

STOT RE 2      H373 May cause damage to the central nervous system through prolonged or repeated exposure.

Asp. Tox. 1      H304 May be fatal if swallowed and enters airways.



GHS07

Acute Tox. 4      H332 Harmful if inhaled.

Skin Irrit. 2      H315 Causes skin irritation.

Skin Sens. 1      H317 May cause an allergic skin reaction.

Aquatic Chronic 3      H412 Harmful to aquatic life with long lasting effects.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS07    GHS08

- **Signal word** Danger
- **Hazard-determining components of labelling:**  
Distillates (petroleum), hydrotreated light naphthenic  
Stoddard solvent  
Benzenesulfonic acid, mono-C16-24-alkyl derivates, calcium salts

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# Safety data sheet

## according to 1907/2006/EC, Article 31

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**Trade name: METALON® M Hochleistungsschmierstoff**

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Distillates (petroleum), hydrotreated light

- **Hazard statements**

H332 Harmful if inhaled.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H373 May cause damage to the central nervous system through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects.

- **Precautionary statements**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P331 Do NOT induce vomiting.

P405 Store locked up.

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

- **Additional information:**

Other hazards which do not result in classification: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May be slightly irritating to skin, eyes and respiratory system.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**

- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 64742-53-6 EINECS: 265-156-6 Index number: 649-466-00-2	Distillates (petroleum), hydrotreated light naphthenic --- ⚠ Asp. Tox. 1, H304 ⚠ Acute Tox. 4, H332	15.0-40.0%
CAS: 64742-47-8 EINECS: 265-149-8 Index number: 649-422-00-2	Distillates (petroleum), hydrotreated light --- ⚠ Flam. Liq. 3, H226 ⚠ Asp. Tox. 1, H304 ⚠ Aquatic Chronic 2, H411 ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	7.0-13.0%
CAS: 64742-56-9 EINECS: 265-159-2 Index number: 649-469-00-9	Distillates (petroleum), solvent-dewaxed light paraffinic --- ⚠ Asp. Tox. 1, H304	5.0-10.0%
CAS: 8052-41-3 EINECS: 232-489-3 Index number: 649-345-00-4	Stoddard solvent --- ⚠ Flam. Liq. 3, H226 ⚠ STOT RE 1, H372; Asp. Tox. 1, H304 ⚠ Aquatic Chronic 2, H411 ⚠ Eye Irrit. 2, H319	5.0-10.0%
CAS: 64741-88-4 EINECS: 265-090-8 Index number: 649-454-00-7	Distillates (petroleum), solvent-refined heavy paraffinic --- ⚠ Asp. Tox. 1, H304	1.0-5.0%
CAS: 70024-69-0	Benzenesulfonic acid, mono-C16-24-alkyl derivates, calcium salts --- ⚠ Skin Sens. 1B, H317	0.1-1.0%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

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**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**General information:**

Immediately remove any clothing soiled by the product.

Remove breathing equipment only after contaminated clothing have been completely removed.

In case of irregular breathing or respiratory arrest provide artificial respiration.

**After inhalation:**

If breathed in, move to fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of unconsciousness place patient stably in side position for transportation.

If breathing is difficult, give oxygen by qualified medical personnel only.

Obtain medical attention if symptoms develop and persist.

**After skin contact:**

If skin irritation continues, consult a doctor.

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:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

Never give anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed**

Harmful if inhaled. May cause an allergic skin reaction (e.g. swelling, rash and eczema). Aspiration hazard.

Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal. May cause mild eye irritation. Symptoms may include stinging and tearing. May cause mild skin irritation. Symptoms may include mild redness and swelling. May cause respiratory irritation.

Symptoms may include upper respiratory irritation, coughing and breathing difficulties. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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

Symptomatically :Aspiration hazard.

**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**

Burning may produce irritating, toxic and obnoxious fumes.

**5.3 Advice for firefighters**

**Protective equipment:**

Wear fully protective suit.

Wear self-contained respiratory protective device.

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots and in enclosed spaces (SCBA).

Special firefighting measures.

Firefighters should wear proper protective equipment.

Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame

**Additional information**

Cool endangered receptacles with water spray.

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

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### **SECTION 6: Accidental release measures**

#### **· 6.1 Personal precautions, protective equipment and emergency procedures**

*Avoid contact with eyes and skin.*

*Wear protective clothing.*

*Ensure adequate ventilation*

#### **· 6.2 Environmental precautions:**

*Do not allow product to reach sewage system or any water course.*

*Inform respective authorities in case of seepage into water course or sewage system.*

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

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

*Send for recovery or disposal in suitable receptacles.*

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

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

*Ensure adequate ventilation.*

*Stop spill or leak at source if safety possible. Dyke for water control.*

*Only use non-sparking tools and equipment in the clean-up process.*

#### **· 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**

*Avoid contact with eyes and skin.*

*Do not inhale mist or vapors.*

*Keep receptacles tightly sealed.*

*Ensure good ventilation/exhaustion at the workplace.*

*Open and handle receptacle with care.*

*Prevent formation of aerosols.*

*Use only in well-ventilated areas.*

*Wear protective gloves. Avoid breathing vapours or mists.*

*Keep away from extreme heat and flame. Keep away from incompatibles. Keep containers tightly closed when not in use. Wash thoroughly after handling. Wash contaminated clothing before reuse. Persons with recurrent skin eczema or sensitization problems should be excluded from working with this product. Once a person is sensitized, no further exposure to the material that caused the sensitization should be permitted.*

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

*Keep ignition sources away - Do not smoke.*

*Keep respiratory protective device available.*

#### **· 7.2 Conditions for safe storage, including any incompatibilities**

##### **· Storage:**

##### **· Requirements to be met by storerooms and receptacles:**

*Store only in the original receptacle.*

*No special requirements.*

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

*Store away from oxidising agents.*

*Do not store together with acids.*

##### **· Further information about storage conditions:**

*Store receptacle in a well ventilated area.*

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

*Keep container tightly sealed.*

*Store away from incompatible materials.*

*Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel.*

*Inspect periodically for damage or leaks.*

*No smoking in the area*

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- **Storage class:** 10/12 CH/(TRGS510) liquids
- **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:**

#### **64742-47-8 Distillates (petroleum), hydrotreated light**

MAK (Switzerland)	Short-term value: 700* mg/m <sup>3</sup> , 100* ppm Long-term value: 350* 5 e** mg/m <sup>3</sup> , 50* ppm SSc; *Dampf, **Aerosol
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- **Additional information:** The lists valid during the making were used as basis.

#### · 8.2 Exposure controls

For durable compliance with Occupational Exposure Limits (OEL, MAK) no special measures are required. Exposure measurements in the workplace are generally recommended.

Use general or local exhaust ventilation to maintain air concentrations recommended exposure limits.

#### · **Appropriate engineering controls**

Use appropriate local exhaust ventilation.

Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits

#### · **Individual protection measures, such as personal protective equipment**

##### · **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Do not inhale gases / fumes / aerosols.

Do not eat, drink, smoke or sniff 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.

Store protective clothing separately.

Avoid contact with the eyes and skin.

Wash contaminated clothing before reuse.

##### · **Respiratory protection:**

Filter A

Use suitable respiratory protective device when high concentrations are present.

Respiratory protection according to EN 141.

##### · **Hand protection**



Protective gloves

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

##### · **Material of gloves**

Nitrile rubber, NBR

Fluorocarbon rubber (Viton)

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**

For the mixture of chemicals mentioned below the penetration time has to be at least 240 minutes (Permeation according to EN 16523-1:2015: Level 6).

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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**



Tightly sealed goggles

according to EN 166.

· **Body protection:** Protective work clothing

### SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· <b>Physical state</b>	Fluid
· <b>Colour:</b>	Amber coloured
· <b>Odour:</b>	Mild
· <b>Odour threshold:</b>	Not determined.
· <b>Melting point/freezing point:</b>	Undetermined.
· <b>Boiling point or initial boiling point and boiling range</b>	Undetermined.
· <b>Flammability</b>	Not applicable.
· <b>Lower and upper explosion limit</b>	
· <b>Lower:</b>	Not determined.
· <b>Upper:</b>	Not determined.
· <b>Flash point:</b>	94 °C (DIN 51755)
· <b>Decomposition temperature:</b>	Not determined.
· <b>pH</b>	Not determined.
· <b>Viscosity:</b>	
· <b>Kinematic viscosity at 20 °C</b>	9.5 mm <sup>2</sup> /s
· <b>Dynamic:</b>	Not determined.
· <b>Solubility</b>	
· <b>water:</b>	Soluble.
· <b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
· <b>Vapour pressure at 20 °C:</b>	2 hPa (64742-47-8 Distillates (petroleum), hydrotreated light)
· <b>Density and/or relative density</b>	
· <b>Density at 20 °C:</b>	1.015 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.

· **9.2 Other information**

· <b>Appearance:</b>	
· <b>Form:</b>	Fluid
· <b>Important information on protection of health and environment, and on safety.</b>	
· <b>Auto-ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product does not present an explosion hazard.
· <b>Solvent content:</b>	
· <b>VOC (EC)</b>	0.00 %
· <b>VOC (CH)</b>	0.00 %
· <b>Change in condition</b>	
· <b>Evaporation rate</b>	Not determined.

· **Information with regard to physical hazard classes**

· <b>Explosives</b>	Void
· <b>Flammable gases</b>	Void

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

**SECTION 10: Stability and reactivity**

- **10.1 Reactivity** Not normally reactive.
- **10.2 Chemical stability** Material is 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**  
Avoid excessive heat, sparks and open flame. Avoid contact with incompatible materials. Do not use in areas without adequate ventilation.
- **10.5 Incompatible materials:** oxidizing agents; acids.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

**SECTION 11: Toxicological information**

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Harmful if inhaled.

· **LD/LC50 values relevant for classification:**

**ATE (Acute Toxicity Estimates)**

Inhalative	LC50/4 h	>5.45 mg/l (rat)
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**64742-53-6 Distillates (petroleum), hydrotreated light naphthenic**

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>2.18 mg/l (rat)

**64742-47-8 Distillates (petroleum), hydrotreated light**

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6.03 mg/l (rat)

**64742-56-9 Distillates (petroleum), solvent-dewaxed light paraffinic**

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
Inhalative	LC50/4 h Inhalative	>4 mg/l (rat)

**8052-41-3 Stoddard solvent**

Oral	LD50	>5,000 mg/kg (rat)
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Dermal	LD50	>3,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>5.5 mg/l (rat)
<b>64742-56-9 Distillates (petroleum), solvent-dewaxed light paraffinic</b>		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
Inhalative	LC50/4 h Inhalative	>4 mg/l (rat)
<b>64741-88-4 Distillates (petroleum), solvent-refined heavy paraffinic</b>		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)

- **Skin corrosion/irritation** Causes skin irritation.

- **Serious eye damage/irritation**

Based on available data, the classification criteria are not met.

May cause mild transient irritation.

- **By ingestion:**

Aspiration hazard. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal. Ingestion may irritate the digestive tract and cause nausea, vomiting, and diarrhea. Ingesting large amounts may cause defects in the central nervous system (e.g. dizziness, headache)

- **Respiratory or skin sensitisation** May cause an allergic skin reaction.

- **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**

May cause damage to the central nervous system through prolonged or repeated exposure.

- **Aspiration hazard** May be fatal if swallowed and enters airways.

- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

## SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

**64742-53-6 Distillates (petroleum), hydrotreated light naphthenic**

NOEL 21 d	10 mg/l (daphnia magna)
LC50 (96h)	>100 mg/l (Fish)
EC50 48 h	>10,000 mg/l (daphnia magna)
NOEC 72 h	>100 mg/l (Algen/Algues)

**64742-47-8 Distillates (petroleum), hydrotreated light**

LC50 (96h) (dynamic)	45 mg/l (Fish)
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**8052-41-3 Stoddard solvent**

LC50 (96h)	2.1-4.2 mg/l (fish, bluegill)
EC 50 (96h)	0.58-1.2 mg/l (Pseudokirchneriella subcapitata Grünalg)
EC50 48 h	0.42-2.3 mg/l (daphnia magna)
NOEC 72 h	0.16 mg/l (Algen/Algues)
NOEC 21 d	0.1-0.37 mg/l (daphnia magna)

**64741-88-4 Distillates (petroleum), solvent-refined heavy paraffinic**

LC50 (96h)	>5,000 mg/l (Rainbow trout)
EC50 48 h	>1,000 mg/l (daphnia magna)

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· **12.2 Persistence and degradability** No further relevant information available.

· **12.3 Bioaccumulative potential**

**64742-53-6 Distillates (petroleum), hydrotreated light naphthenic**

Log POW | 3.9-6 -

**64742-47-8 Distillates (petroleum), hydrotreated light**

Log POW | 5.1-8.8 -

**8052-41-3 Stoddard solvent**

Log POW | 3.16-7.06 -

· **12.4 Mobility in soil** No further relevant information available.

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

· **12.7 Other adverse effects**

· **Remark:** Harmful to fish

· **Additional ecological information:**

· **General notes:**

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

Harmful to aquatic organisms

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

### SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Hand over to hazardous waste disposers.

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

· **European waste catalogue**

13 02 08\* | other engine, gear and lubricating oils

· **DETEC Ordinance on Lists for the Movement of Waste (SR 814.610.1)**

13 02 08:\* other engine, gear and lubricating oils

classification hazardous waste

· **Uncleaned packaging:**

· **Recommendation:**

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

Disposal must be made according to official regulations.

### SECTION 14: Transport information

· **14.1 UN number or ID number**

· **ADR, IMDG, IATA**

UN3082

· **14.2 UN proper shipping name**

· **ADR**

3082 ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, LIQUID, N.O.S. (Distillates (petroleum),  
hydrotreated light)

· **IMDG, IATA**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
LIQUID, N.O.S. (Distillates (petroleum), hydrotreated  
light)

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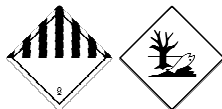
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· **14.3 Transport hazard class(es)**

· **ADR, IATA**



· **Class** 9 Miscellaneous dangerous substances and articles.  
· **Label** 9

· **IMDG**



· **Class** 9 Miscellaneous dangerous substances and articles.  
· **Label** 9

· **14.4 Packing group**

· **ADR, IMDG, IATA** III

· **14.5 Environmental hazards:**

· **Special marking (ADR):** Symbol (fish and tree)

· **Special marking (IATA):** Symbol (fish and tree)

· **14.6 Special precautions for user** Warning: Miscellaneous dangerous substances and articles.

· **Hazard identification number (Kemler code):** 90

· **EMS Number:** F-A,S-F

· **Stowage Category** A

· **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

· **Transport/Additional information:**

· **ADR**

· **Limited quantities (LQ)** 5L

· **Excepted quantities (EQ)** Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· **Transport category** 3

· **Tunnel restriction code** (-)

· **IMDG**

· **Limited quantities (LQ)** 5L

· **Excepted quantities (EQ)** Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· **UN "Model Regulation":**

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DISTILLATES (PETROLEUM), HYDROTREATED LIGHT), 9, III

**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**

The product is classified and labelled according to the CLP regulation.

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· **Hazard pictograms**

GHS07 GHS08

· **Signal word** Danger· **Hazard-determining components of labelling:**

Distillates (petroleum), hydrotreated light naphthenic  
Stoddard solvent

Benzenesulfonic acid, mono-C16-24-alkyl derivates, calcium salts  
Distillates (petroleum), hydrotreated light

· **Hazard statements**

H332 Harmful if inhaled.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H373 May cause damage to the central nervous system through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects.

· **Precautionary statements**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P331 Do NOT induce vomiting.

P405 Store locked up.

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

· **Directive 2012/18/EU**· **Named dangerous substances - ANNEX I** None of the ingredients is listed.· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **Regulation Switzerland (CH)**

Major accidents Ordinance OPAM: SR 814.02: Threshold quantities 20000 kg

Annex 8 OChim SR 813.11 no group

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

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(Contd. on page 12)

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

Printing date 14.07.2022

Version: 2 (replaces version 1)

Revision: 14.07.2022

**Trade name: METALON® M Hochleistungsschmierstoff**

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**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.

· **Department issuing SDS:** product safety department

· **Date of previous version:** 11.04.2022

· **Version number of previous version:** 1

· **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)*

*VOCV: Lenkungsabgabe auf flüchtigen organischen Verbindungen, Schweiz (Swiss Ordinance on volatile organic compounds)*

*VOC: Volatile Organic Compounds (USA, EU)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

*Flam. Liq. 3: Flammable liquids – Category 3*

*Acute Tox. 4: Acute toxicity – Category 4*

*Skin Irrit. 2: Skin corrosion/irritation – Category 2*

*Eye Irrit. 2: Serious eye damage/eye irritation – Category 2*

*Skin Sens. 1: Skin sensitisation – Category 1*

*Skin Sens. 1B: Skin sensitisation – Category 1B*

*STOT SE 3: Specific target organ toxicity (single exposure) – Category 3*

*STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1*

*STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2*

*Asp. Tox. 1: Aspiration hazard – Category 1*

*Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2*

*Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3*

· **\* Data compared to the previous version altered.**

CHE