

1 Identification

- **Product identifier**
- **Trade name:** METALON® HT 1.5 Extreme Pressure grease
- **Article number:** METALON® HT 1.5
- **Details of the supplier of the safety data sheet**
- **Supplier:**
METALON SWISS
By Boha AG
CH-4243 Dittingen BL, Switzerland
Telephon +41 761 16 16 Mo to Fr 09:00-16:00
info@boha.com
- **Manufacturer:**
Please consult supplier.
- **Information department:** Technical Department during normal operating hours: +1 (416) 239 1548
- **24 h. Emergency Tel:** +41 145 (Toxi Schweiz) or National poison control center

2-Hazard identification

- **Classification of the substance or mixture**
Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.
Aquatic Acute 2 H401 Toxic to aquatic
- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS)
- **Hazard pictograms**



GHS09 Environment

- **Signal word:** void
- **Hazard statements**
Toxic to aquatic life.
Toxic to aquatic life with long lasting effects.
- **Precautionary statements**
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Avoid release to the environment.
Collect spillage.
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Classification system:**
 - **NFPA ratings (scale 0 - 4)**
 - **HMIS ratings (scale 0 – 4)**



Health = 0
Fire = 1
Reactivity = 0



3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Mixtures of the substances listed below with nonhazardous additions
- **Dangerous components:**

198840-65-2 Alkanes, C14, chloro

10-25% w/w

68584-23-6 C10-C16 alkylbenzenesulfonic acid calcium salt

2.5-10% w/w

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

Extinguishing media

- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures Not required.

- **Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **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.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.
- **Additional information about design of technical systems:** No further data; see item 7.

8 Exposure controls/personal protection

- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**

- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **Protection of hands:**
 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**
 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 protection:** Goggles recommended during refilling.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Semi-Solid
Color:	Blue
Odor:	Petroleum-like
Odor threshold:	Not determined.

• pH-value:	Not determined.
• Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	370 °C
• Flash point:	255 °C
• Flammability (solid, gaseous):	Not applicable.
• Ignition temperature:	>315 °C
• Decomposition temperature:	Not determined.
• Auto igniting:	Product is not selfigniting.
• Danger of explosion:	Product does not present an explosion hazard.
• Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
• Vapor pressure:	Not determined.
• Density at 20 °C:	1.20503-1.26103 g/cm ³
• Relative density	Not determined.
• Vapor 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.

<ul style="list-style-type: none"> • Viscosity: <i>Dynamic:</i> Not determined. <i>Kinematic:</i> Not determined.
<ul style="list-style-type: none"> • Solvent content: <i>Organic solvents:</i> 0.5 %
<ul style="list-style-type: none"> • Solids content: 30.6 % <i>Other information:</i> No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stabile**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

<ul style="list-style-type: none"> • LD/LC50 values that are relevant for classification: 						
ATE (Acute Toxicity Estimate)						
<table border="1"> <tr> <td>Oral</td> <td>LD50</td> <td>>28,429 mg/kg (rat)</td> </tr> <tr> <td>Der</td> <td>LD50</td> <td>>12,242 mg/kg</td> </tr> </table>	Oral	LD50	>28,429 mg/kg (rat)	Der	LD50	>12,242 mg/kg
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198840-65-2 Alkanes, C14, chloro						
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Der	DNEL	0.0065 mg/kg (human)				

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
- **Carcinogenic categories**

<ul style="list-style-type: none"> • IARC (International Agency for Research an Cancer)
None of the ingredients is listed.
<ul style="list-style-type: none"> • NTP (National Toxicology Program)
None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:**

198840-65-2 Alkanes, C14, chloro
LC50 >0.1 mg/L (Fish)
<ul style="list-style-type: none"> • Persistence and degradability No further relevant information available. • Behavior in environmental systems: • Bioaccumulative potential No further relevant information available.





- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish

- **Additional ecological information:**
- **General notes:**
 Water hazard class 1 (Selfassessment): slightly hazardous for water
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
 Also poisonous for fish and plankton in water bodies.
 Toxic for aquatic organisms
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
 Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT		Not regulated (no mention for DG class 9)	9	III	
49CFR/DOT Additional information	According to ADR 2019 chap. 3.3 special provision 375, quantities up to 5kg / liter per inner packaging and max. 30kg gross mass are exempted - ie. no DG mark, no UN number, no UN approval for the packaging.				
TDG		Not regulated	9	III	
TDG Additional information	This material may be shipped as an <u>exempted marine pollutant</u> in accordance with TDG Section 1.45.1 and Special Provision 99.				
ICAO/IATA	UN3082	Environmentally hazardous substances, liquid, n.o.s. (Alkanes, C14, chloro).	9	III	 
ICAO/IATA Additional information	IATA SV 197: These substances are not subject to any other provisions of these Regulations if they are carried in single or composite packagings with a net quantity per single or internal packaging of not more than 5L for liquids and a net weight of not more than 5kg for substances, provided the packaging complies with the requirements general requirements of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8. [corresponds to section 4.1. at ADR / RID]				
IMDG	UN3082	Environmentally hazardous substances, liquid, n.o.s. (Alkanes, C14, chloro).	9	III	 
IMDG Additional information	May be shipped as Limited Quantity when transported in containers no larger than 5.0 Litres; in packages not exceeding 30 kg gross mass.				

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**
- **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

- **Canadian substance listings:**

- **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

- **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

- **Canadian Ingredient Disclosure list (limit 1%)**

None of the ingredients is listed.

- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS09

- **Signal word** Void

- **Hazard statements**

Toxic to aquatic life.

Toxic to aquatic life with long lasting effects.

- **Precautionary statements**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Avoid release to the environment.

Collect spillage.

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

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

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: Technical Department

Contact: Mr. Wenzler

Date of preparation /last revision 05/10/2018

Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

** Data compared to the previous version altered.*

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