

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

Printing date 10.02.2023

Version number 15 (replaces version 14)

Revision: 10.02.2023

**SECTION 1: Identification of the substance/mixture and of the company/  
undertaking****1.1 Product identifier****Trade name:** BRUNOX® Lubri-Food® (BULK)**UFI:** 3XC1-70X2-W000-K9XR**1.2 Relevant identified uses of the substance or mixture and uses advised against****Sector of Use**

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

**Product category** PC24 Lubricants, greases, release products**Process category**

PROC5 Mixing or blending in batch processes

PROC7 Industrial spraying

PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

PROC10 Roller application or brushing

PROC11 Non industrial spraying

PROC17 Lubrication at high energy conditions in metal working operations

PROC18 General greasing /lubrication at high kinetic energy conditions

**Environmental release category**

ERC4 Use of non-reactive processing aid at industrial site (no inclusion into or onto article)

ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)

ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)

**Application of the substance / the mixture**

Maintenance product

High-quality steel cleaner

Lubricant

**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

BRUNOX Korrosionsschutz GmbH

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E-mail: office@brunox.com  
www.brunox.swiss  
UFI info / E-mail: ufi@brunox.com

**Further information obtainable from:**

Abteilung Produktsicherheit / Product Safety Department:

Tel. - Switzerland: +41/ (0)55 285 80 80  
Tel. - Germany: +49 / (0)841 961 29 04

Mo - Do / Mon - Thu: 08:00 - 16:00 Uhr

Fr / Fri: 08:00 - 12:00 Uhr

**1.4 Emergency telephone number:**

Toxikologisches Informationszentrum

CH - 8030 Zürich, Freiestrasse 16

Tel. +41/ 044 251 51 51

Notruf - CH, STIZ : 145

Notruf - D - : Giftnotrufzentrale 030 19240

Notruf - BE - : 070 -245 245

EUROPÄISCHE NOTRUFNR. : 112

Notruf - GB - : 844 892 0111

Notruf - IE - : + 353 1 837 9964 (medical professionals); + 353 1 809 2166 (public)

Notruf - IS - : + 354 543 22 22

Notruf - JP - : + 81 72 727 2499; + 81 29 852 9999

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Notruf - PH - : + 632 524 10 78; + 632 544 84 00; local 2311

Notruf - SA - : + 966 146 77 353, + 966 3 8155 646; Ext. 280, 282, 283

Notruf - TH - : + 66 201 1086

Notruf - UAE - : 800 424

Notruf - ZA - : + 27 824 910 160

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

GHS08 health hazard

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

**2.2 Label elements****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**

GHS08

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

Distillates (petroleum), hydrotreated light

**Hazard statements**

H304 May be fatal if swallowed and enters airways.

**Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

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:**

EUH066 Repeated exposure may cause skin dryness or cracking.

**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: 64742-47-8

Distillates (petroleum), hydrotreated light

50-100%

EC number: 926-141-6

Asp. Tox. 1, H304

Index number: 649-422-00-2

Reg.nr.: 01-2119456620-43-

XXXX

**Additional information:** For the wording of the listed hazard phrases refer to section 16.**SECTION 4: First aid measures****4.1 Description of first aid measures****After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:** If skin irritation continues, consult a doctor.

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- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed**
  - Dizziness
  - Headache
  - Nausea
- **Hazards** Danger of pneumonia.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
If swallowed or in case of vomiting, danger of entering the lungs.

### **SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
  - Foam
  - Fire-extinguishing powder
- **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:  
Carbon monoxide (CO)
- **5.3 Advice for firefighters**
- **Protective equipment:**  
Do not inhale explosion gases or combustion gases.  
Wear self-contained respiratory protective device.  
Wear fully protective suit.
- **Additional information** Cool endangered receptacles with water spray.

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

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation  
Keep away from ignition sources.  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**  
Do not allow to penetrate the ground/soil.  
Do not allow to enter sewers/ surface or ground water.
- **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.  
Ensure adequate ventilation.
- **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.

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### **SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

- Use only in well ventilated areas.
- Keep receptacles tightly sealed.
- Ensure good ventilation/exhaustion at the workplace.
- Prevent formation of aerosols.

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

- Do not spray onto a naked flame or any incandescent material.
- Use explosion-proof apparatus / fittings and spark-proof tools.
- Keep ignition sources away - Do not smoke.

**7.2 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:**

- Store receptacle in a well ventilated area.
- Store under lock and key and out of the reach of children.

- 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:**

- 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 valid during the making were used as basis.

**8.2 Exposure controls**

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

**Individual protection measures, such as personal protective equipment****General protective and hygienic measures:**

- Keep away from foodstuffs, beverages and feed.
- Wash hands before breaks and at the end of work.
- Do not inhale gases / fumes / aerosols.

**Respiratory protection:**

Short term filter device:

Filter A/P2

Filter AX

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

**Hand protection**

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.

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

**Material of gloves**

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

**Eye/face protection** Goggles recommended during refilling

### **SECTION 9: Physical and chemical properties**

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

<b>Colour:</b>	Colourless
<b>Odour:</b>	Odourless
<b>Odour threshold:</b>	Not determined.
<b>Melting point/freezing point:</b>	Undetermined.
<b>Boiling point or initial boiling point and boiling range</b>	175 °C
<b>Flammability</b>	Not applicable.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	0.5 Vol %
<b>Upper:</b>	6.5 Vol %
<b>Flash point:</b>	73 °C
<b>Ignition temperature:</b>	210 °C
<b>Decomposition temperature:</b>	Not determined.
<b>pH</b>	Not determined.
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not determined.
<b>Dynamic at 20 °C:</b>	7 mPas
<b>Solubility</b>	
<b>water:</b>	Not miscible or difficult to mix.
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure at 20 °C:</b>	2 hPa
<b>Density and/or relative density</b>	
<b>Density at 20 °C:</b>	83 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.

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**· 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.

**· Solvent content:****· VOC (EC)**

0,00 %

**· Solids content:**

0.0 %

**· Change in condition****· Evaporation rate**

Not determined.

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

Void

**· Flammable gases**

Void

**· 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** No further relevant information available.**· 10.2 Chemical stability****· 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** No further relevant information available.**· 10.5 Incompatible materials:** No further relevant information available.

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- **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide

### **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:**
  - CAS: 64742-47-8 Distillates (petroleum), hydrotreated light**
  - Oral LD50 >5,000 mg/kg (rat)
  - Dermal LD50 >5,000 mg/kg (rabbit)
  - Inhalative LC50/4 h >5,000 mg/l (rat)
- **Skin corrosion/irritation**

Bei längeren und/oder häufigem Hautkontakt sind Reizerscheinungen möglich.  
Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis.
- **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.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **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:**
  - CAS: 64742-47-8 Distillates (petroleum), hydrotreated light**
  - LC50/96 h 1,000 mg/l (Fish)
  - EC50/48h 1,000 mg/l (daphnia)
  - IC50 algae 1,000 mg/l (algae)
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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**· 12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

**· 12.7 Other adverse effects****· Additional ecological 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.

**· European waste catalogue**

HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

**· Uncleaned packaging:****· Recommendation:** Disposal must be made according to official regulations.

### **SECTION 14: Transport information**

**· 14.1 UN number or ID number****· ADR/RID/ADN, ADN, IMDG, IATA** Void**· 14.2 UN proper shipping name****· ADR/RID/ADN, ADN, IMDG, IATA** Void**· 14.3 Transport hazard class(es)****· ADR/RID/ADN, ADN, IMDG, IATA****· Class** Void**· 14.4 Packing group****· ADR/RID/ADN, IMDG, IATA** Void**· 14.5 Environmental hazards:****· Marine pollutant:** No**· 14.6 Special precautions for user**

Not applicable.

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

Not applicable.

**· UN "Model Regulation":**

Void

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**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.
  - **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.
- **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.

- **Relevant phrases**  
H304 May be fatal if swallowed and enters airways.
- **Department issuing SDS:** Abteilung Produktsicherheit
- **Contact:** siehe Seite 1 / see page 1
- **Date of previous version:** 16.03.2021
- **Version number of previous version:** 14
- **Abbreviations and acronyms:**  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
ICAO: International Civil Aviation Organisation  
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)

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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

Asp. Tox. 1: Aspiration hazard – Category 1

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

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