

**conneX - Bio Chain Lube**

Revised on: 5 March 2021

Page 1 of 7

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

conneX - Bio Chain Lube

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**Chain lubricant Lubricating
oil.

Product categories [PC]: PC 24 lubricants, lubricating greases and release agents.

1.3. Details of the supplier of the safety data sheet

Company name: Wippermann Jr. GmbH

Street: Delsterner Strasse 133

City: D-58091 Hagen

Phone: +49 (0) 2331 782 0

Email: info@wippermann.com

Internet: www.connexchain.com

1.4. Emergency telephone number: Giftinformationszentrale Mainz Phone: +49 (0) 6131 192 40**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

The mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008.

2.2. Labelling elements Note on**labelling**

Not subject to labelling.

2.3. Other hazardsThe substances in the mixture do not meet the PBT/vPvB criteria according to REACH,
Annex XIII. Read and understand all safety instructions before use.

Entry into the environment must be avoided.

SECTION 3: Composition/Information on ingredients**3.2. Mixtures****Chemical characterization**

Contains: Ester, Additive.

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

First aider: Pay attention to self-protection! Take affected persons out of the danger zone.

Remove contaminated, soaked clothing immediately.

In case of accident or indisposition, seek medical advice immediately (if possible, show
operating instructions or safety data sheet).**In case of inhalation**

Avoid formation of oil mist.

Take affected persons into fresh air. Lay down affected persons in resting position and keep them warm.

**conneX - Bio Chain Lube**

Revised on: 5 March 2021

Page 2 of 7

If feeling unwell, seek medical advice/attention.

In case of skin contact

In case of contact with skin, wash off immediately with: water and soap.

Change contaminated clothing.

In case of skin irritation, seek medical advice.

In case of eye contact:

Rinse gently with water for a few minutes.

Remove contact lenses if possible. Continue rinsing. If symptoms occur or persist, consult an ophthalmologist.

In case of swallowing:

If swallowed, rinse mouth with water (only if affected person is conscious). DO NOT induce vomiting. Call a doctor immediately.

No administrations in case of unconsciousness or convulsions.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

If symptoms occur or in case of doubt, seek medical advice.

4.3. Indications for immediate medical help or special treatment

Symptomatic treatment.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media:**

Foam, extinguishing powder, sand, water mist, carbon dioxide (CO₂).

Unsuitable extinguishing media:

Full jet of water.

5.2. Special hazards arising from the substance or mixture

In case of fire, the following can be produced: Carbon dioxide (CO₂), phosphorus oxides, acrolein, carbon monoxide.

5.3. Advice for firefighters

Do not inhale explosion and fire gases.

In case of fire: Use surrounding air-independent breathing apparatus.

Additional information

If safe to do so, remove undamaged containers from the danger zone.

Use water spray to protect persons and to cool containers in the danger zone. Collect contaminated extinguishing water separately. Avoid penetration into sewage system or water bodies.

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

Ensure adequate ventilation.

Respiratory protection is required in case of: Aerosol or mist formation. (See section 8.) Avoid contact with eyes and skin. Wear personal protective equipment. In case of leakage, remove all sources of ignition.

In case of gas leakage or if it enters water, soil or sewage system, notify responsible authorities.

6.2. Environmental precautions

Avoid penetration into sewage system or water bodies.

Avoid penetration into subsoil/ground.

6.3. Methods and material for containment and cleaning up

Prevent expansion over a wide area (e.g. by containment or oil booms). Take up mechanically and place in suitable containers for disposal.

**conneX - Bio Chain Lube**

Revised on: 5 March 2021

Page 3 of 7

Remove from water surface (e.g. skim, vacuum). Special risk of slipping due to leaking/spilled product.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Treat the absorbed material according to the Disposal section.

6.4. Reference to other sections

Personal protective equipment: see chapter 8.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Do not inhale vapour/aerosol.

Avoid contact with eyes and skin. Remove contaminated, soaked clothing immediately. For industrial use only.

Fire and explosion precautions

No special fire protection measures are required. Avoid formation of oil mist.

Keep away from heat/sparks/open flame/hot surfaces. - No smoking. Fire class B (DIN EN 2).

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Only use containers that are specifically approved for the product. Keep containers tightly closed in a well-ventilated place. Always close containers tightly after removing product.

Recommended storage temperature: 5 - 30°C. Do not store at temperatures above: 40°C

Advice on storage assembly:

Do not store together with: Oxidising agents, self-igniting substances.

Keep away from food, drink and animal foodstuffs.

Further information on storage conditions

Protect against: Heat, frost, moisture. Protect against direct sunlight.

Storage class according to TRGS 510: 10 (Flammable liquids which cannot be assigned to any of the above storage classes)

7.3. Specific end uses

Saw chain oil.

Lubricating oil.

See technical data sheet.

SECTION 8: Exposure controls/Personal protective equipment**8.1. Control parameters****Additional information on threshold values**

Air threshold values: Does not contain substances in quantities above the concentration thresholds for which an occupational exposure limit is set.

8.2. Exposure controls**Protection and hygiene precautions**

Do not eat, drink, smoke or sniff at the workplace. Avoid contact with skin, eyes and clothing.

Preventive skin protection with skin protection ointment. Remove contaminated, soaked clothing immediately. Wash hands before breaks and after work.

Use greasy skin care products after cleaning.

**conneX - Bio Chain Lube**

Revised on: 5 March 2021

Page 4 of 7

Do not carry product-soaked rags in your trouser pockets.

Eye/face protection

Suitable eye protection: Tightly fitting goggles. (DIN EN 166) In case of increased risk additionally// Additional requirement in case of increased risk (DIN EN 166): Face shield.

Hand protection

Recommendation: Wear protective gloves. DIN/EN standards: DIN EN 420, DIN EN 374.
 Suitable material: NBR (nitrile rubber), PVC (polyvinyl chloride), FKM (fluoro rubber).
 Required properties: liquid-tight.
 Penetration time (maximum wearing time): > 240 min.
 Thickness of the glove material: 0.4 mm
 Check for tightness/impermeability before use.

Body protection

Handling of larger quantities: Wear suitable protective clothing when working.

Respiratory protection

Respiratory protection is not required when used properly and under normal conditions. Respiratory protection is required in case of: Threshold values exceeded, insufficient ventilation, aerosol or mist formation.

Suitable respiratory protection device: Combination filter device (DIN EN 141).

Filter types: A, B, E, K. Do not use small filters (filter class 1)! Class 2: Maximum permissible pollutant concentration in breathing air = 5000 ml/m³ (0.5% by volume); Class 3 = 10000 ml/m³ (1.0% by volume).

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

Physical state:	liquid light	
Colour:	yellow	
Odour:	Rapeseed oil.	
		Test standard
pH-value:		not applicable
Changes of physical state		
Pourpoint:		< -12°C DIN ISO 3016
Flashpoint:		> 300°C DIN ISO 2592
Explosion hazards		
No data available.		
Ignition temperature:		> 300°C
Vapour pressure: (at 20°C)		< 0.1 hPa
Density (at 15°C):		approx. 0.91 - 0.92 g/cm ³ DIN 51757
Water solubility:		practically insoluble
Kin. Viscosity: (at 40°C)		a. 53 mm ² /s DIN 51562

9.2. Other information

none

SECTION 10: Stability and Reactivity**10.1. Reactivity**

No special hazards to be mentioned.

10.2. Chemical stability

The product is stable when stored at normal ambient temperatures.

**conneX - Bio Chain Lube**

Revised on: 5 March 2021

Page 5 of 7

Decomposition occurs at temperatures above: 120°C

10.3. Possibility of hazardous reactions

No hazardous reactions if handled and stored as directed. Do not mix with: Oxidising agents, strong.

10.4. Conditions to avoid

Storage stability: Do not store at temperatures above: 40°C. This material is flammable but not easily ignited.

Keep away from heat/sparks/open flame/hot surfaces. - No smoking.

10.5. Incompatible materials

Oxidising agents, strong.

Non-corrosive to metals.

10.6. Hazardous decomposition products

Thermal decomposition may lead to the release of irritating gases and vapours.

In case of fire, the following substances may be produced: Carbon dioxide (CO₂), phosphorus oxides, acrolein, carbon monoxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

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

Irritant and corrosive effect

Irritant effect on skin: In case of short-term hand contact: Non-irritant.

Repeated or continued exposure may cause skin irritation and dermatitis due to the degreasing properties of the product.

Irritant effect on the eye:

Sensitising effects

Sensitisation of respiratory tract or skin: not sensitising. No symptoms known so far.

Carcinogenic, mutagenic and reprotoxic effects

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

Specific target organ toxicity in case of repeated exposure

Prolonged or repeated skin contact may have a degreasing effect and cause dermatitis.

Aspiration hazard

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

SECTION 12: Ecological information**12.1. Toxicity**

No data available for the mixture.

12.2. Persistence and degradability

The product is biodegradable.

Method: OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C: Biodegradation: 86% (28d).

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

Physical state: liquid at room temperature.

In case of penetration into soil, the product is mobile and may contaminate groundwater.

12.5. Results of PBT and vPvB assessment

PBT: not applicable. vPvB:

not applicable.

12.6. Other adverse effects

No information available.

**conneX - Bio Chain Lube**

Revised on: 5 March 2021

Page 6 of 7

Additional information

Entry into the environment must be avoided.
Avoid penetration into sewage system or water bodies.
Avoid penetration into subsoil/ground.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Recommendation**

Avoid penetration into sewage system or water bodies.
Disposal in accordance with the Closed Substance Cycle and Waste Management Act (KrW-/AbfG). Disposal in accordance with official regulations.
The allocation of waste code numbers/waste designations must be carried out in accordance with the AVV on a sector- and process-specific basis. Contact the responsible authorised disposal company for waste disposal.
Adhere to mixing prohibitions according to the Waste Oil Ordinance.

Waste code - Product

130207 WASTE OIL AND LIQUID FUEL WASTE (EXCLUDING EDIBLE OILS AND OIL WASTE SUBJECT TO CHAPTERS 05, 12 AND 19); waste from machinery, gear and lubricating oils; readily biodegradable machine, gear and lubricating oils; hazardous waste

Waste code - Product residues

130207 WASTE OIL AND LIQUID FUEL WASTE (EXCLUDING EDIBLE OILS AND OIL WASTE SUBJECT TO CHAPTERS 05, 12 AND 19); waste from machinery, gear and lubricating oils; readily biodegradable machine, gear and lubricating oils; hazardous waste

Waste code - Uncleaned packaging

150110 PACKAGING WASTE, ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING (not otherwise specified); packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Disposal of uncleaned packaging and recommended cleaning agents

Contaminated packaging should be emptied completely and can be reused after appropriate cleaning.
Packaging that cannot be cleaned must be disposed of.

SECTION 14: Transport Information**Land transport (ADR/RID)**

14.1. UN Number: not relevant
14.2. UN proper shipping name: not relevant
14.3. Transport hazard classes: not relevant
14.4. Packaging Category: not relevant

Other relevant information re. land transport

No dangerous goods in the sense of these transport regulations.

Inland marine transport (ADN)**Other relevant information re. inland marine transport**

No information available.

Sea transport (IMDG)**Other relevant information re. sea transport**

No dangerous goods in the sense of these transport regulations.

**conneX - Bio Chain Lube**

Revised on: 5 March 2021

Page 7 of 7

Air transport (ICAO-TI/IATA-DGR)**Other relevant information re. air transport**

No dangerous goods in the sense of these transport regulations.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Handling (transport Information): No special precautions are required. See precautions under point 7 and 8.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

No information available.

SECTION 15: Regulatory Information**15.1. Safety, health and environmental regulations/regulatory Information specific for the substance or mixture****EU regulations****Additional information:**

Safety data sheet according to Regulation (EC) No. 1907/2006 (REACH).

National regulations

Water hazard class: Status: 1 - slightly hazardous to water Mixture rule

Additional information according to Annex 1 No. 5 AwSV

For commercial consumers only.

Existing laws and regulations must be observed by the recipient of our products on his own responsibility.

National laws and regulations must also be observed!

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture have not been carried out.

SECTION 16: Other information**Changes**

This data sheet contains changes to the previous version in section(s): 3, 5, 7, 8, 9, 10, 11, 12, 15.

Further information

The information is based on the current state of our knowledge, but does not constitute a guarantee of product properties and does not establish a contractual legal relationship.

(Data concerning hazardous ingredients were taken from the latest safety data sheet of the sub-supplier).