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VOLUNTARY PRODUCT INFORMATION

1. Identification of the product and of the company/undertaking

1.1. Product identifier

Trade name: BOSCH-Sägekettenhaftoel

Product Description: BOSCH Biodegradable Chainsaw Oil

Product Code: BOSCH PN: 2 607 000 181 (New formula 2020)

Intended Use: BOSCH biodegradable chainsaw oil developed to lubricate BOSCH chainsaws

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture: lubricate saw chain

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the voluntary product information:

Robert Bosch Power Tools GmbH

70538 Stuttgart / GERMANY

www.bosch-pt.com

2. Hazard identification

2.1. Classification of the substance or mixture

NON-HAZARDOUS SUBSTANCE.

NON-DANGEROUS GOOD.

The oil is classified as “Non-Hazardous” by the REACH Regulation No. 1907 (2006) and CLP which is Regulation No 1272/2008 for the classification, labelling and packaging of substances and mixtures.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 Void · Hazard pictograms Void · Signal word

Void · Hazard statements Void

2.3. Other hazards

Results of PBT and vPvB assessment · PBT: Not applicable. · vPvB: Not applicable expert advice.

Health studies have shown that chemical exposure may cause potential human health risks which may vary from person to person.

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3. Composition/information on ingredients

3.1. Substances

No information

3.2. Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components: Void · Additional information: For the wording of the listed hazard phrases refer to section 16.

4. First aid measures

4.1. Description of first aid measures

General information

No special measures required

Inhalation

After inhalation: Supply fresh air; consult doctor in case of complaints.

Skin contact

After skin contact: Generally the product does not irritate the skin

Eye contact

After eye contact: Rinse opened eye for several minutes under running water

Ingestion

After swallowing: If symptoms persist consult doctor

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

5.2. Fire fighting

Protective equipment: No special measures required

5.3. Flammability properties

Special hazards arising from the substance or mixture: No further relevant information available

5.4. Autoignition Temperature

N/D

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6. Accidental release measures

6.1. Notification procedures

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

6.2. Protective measures

Avoid contact with spilled material. See Section 5 for fire fighting information. See the Hazard Identification Section for Significant Hazards. See Section 4 for First Aid Advice. See Section 8 for advice on the minimum requirements for personal protective equipment. Additional protective measures may be necessary, depending on the specific circumstances and/or the expert judgment of the emergency responders.

6.3. Spill management

Land Spill: Stop leak if you can do so without risk. Recover by pumping or with suitable absorbent.

Water Spill: Stop leak if you can do so without risk. Confine the spill immediately with booms. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.

Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken.

6.4. Environmental precautions

Large Spills: Dyke far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

7. Handling and storage

7.1. Precautions for safe handling

No special measures required. · Information about fire - and explosion protection: No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

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. · Storage class: 10

7.3 Specific end use(s) No further relevant information available.

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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: 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: Not necessary if room is well-ventilated. Respiratory protection if formation of aerosol or mist: use mask with filter type A2, A2/P2 or ABEK.
Protection of hands: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Protective gloves to EN374, resistant to oil in use. Standard EN 374 Level 3 control G1 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. Fluorocarbon rubber (Viton) Nitrile rubber, NBR Recommended thickness of the material: ≥ 0.4 mm

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. For the mixture of chemicals mentioned below the penetration time has to be at least 60 minutes (Permeation according to EN 374 Part 3: Level 1).

Eye protection: Goggles recommended during refilling

Body protection: Protective work clothing

9. Physical and chemical properties

9.1. Important health, safety and environmental information

<i>General Information</i>	
<i>Appearance:</i>	
Form:	Fluid
Colour:	Orange
Odour:	Characteristic
Odour threshold:	Not determined.
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pH-value:	Not determined.
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<i>Change in condition</i>	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Undetermined.
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Flash point:	>200 °C
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Flammability (solid, gas):	Not applicable.
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Decomposition temperature:	Not determined.
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Auto-ignition temperature:	Product is not selfigniting.
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Explosive properties:	Product does not present an explosion hazard.
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<i>Explosion limits:</i>	
Lower:	Not determined.
Upper:	Not determined.
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Vapour pressure:	Not determined.
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Density at 20 °C:	0.921 g/cm ³ (ASTM D 4052)
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
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Solubility in / Miscibility with water:	Not miscible or difficult to mix.
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Partition coefficient: n-octanol/water:	Not determined.

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Viscosity:
Dynamic:
Kinematic:
VOC (EC)

Not determined.
65 mm²/s @ 40 °C
0.00 %

9.2. Other information

No further relevant information available

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. •

10.6 Hazardous decomposition products:

No dangerous decomposition products known

11. Toxicological information

11.1 Information on toxicological effects

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.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

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.

12. Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability No further relevant information available.

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12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available. Additional ecological information: · General notes: Do not allow undiluted product or large quantities of it 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.

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. Contact waste processors for recycling information. European waste catalogue 13 02 07* readily biodegradable engine, gear and lubricating oils
Uncleaned packaging: Recommendation: Disposal must be made according to official regulations.

14. Transport information

14.1 UN-Number ADR/RID/ADN, IMDG, IATA Void

14.2 UN proper shipping name ADR/RID/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: Not applicable.

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

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.

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

16. Other information

16.1 Accidental release measures

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Personal precautions, protective equipment and emergency procedures Not required.

Environmental precautions: 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.

16.2 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. The classification of the mixture was carried out by calculation in accordance with the rules laid down in Annex I of Regulation (EC) No 1272/2008. No special training instructions to ensure protection of human health and environment are required.

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) VOC: Volatile Organic Compounds (USA, EU) PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative