

# Safety Data Sheet

## according to WHS Regulations

Printing date 23.11.2023

Version number 1.4

Revision: 23.11.2023

### 1 Identification

- **Product identifier**
- **Trade name:** **BOSCH CHAINSAW OIL**
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture**  
Only for proper handling.  
Chain lubricant
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
  
Robert Bosch GmbH  
Power Tools Division  
DE-70745 Leinfelden-Echterdingen  
Tel. +49 (0)180-3335799 hotline  
Tel. +49 (0) 1801-505010  
Fax +49 (0) 1801-505011
- **Further information obtainable from:** Product safety service
- **Emergency telephone number:**  
In case of a medical emergency following exposure to a chemical, call Poisons Information Centre Australia 13 11 26

### 2 Hazard(s) Identification

- **Classification of the substance or mixture**  
The product is not classified, according to the Globally Harmonised System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition and Information on Ingredients

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

- **Dangerous components:**

CAS: 68411-46-1	Benzenamine, N-phenyl-, reaction products with 2,4,4-	0.1-0.25%
EINECS: 270-128-1	trimethylpentene	
	Repr. 2, H361	

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

### 4 First Aid Measures

- **General information:** No special measures required.
- **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.

(Contd. on page 2)

# Safety Data Sheet

## according to WHS Regulations

Printing date 23.11.2023

Version number 1.4

Revision: 23.11.2023

Trade name: **BOSCH CHAINSAW OIL**

(Contd. of page 1)

- **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

- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Protective equipment:** No special measures required.

### 6 Accidental Release Measures

- **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.

### 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling** No special measures required.
- **Information about fire - and explosion protection:** No special measures required.
- **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:**  
The recommended storage temperature is (deg.C): ≤50°C
- **Storage class:** 10
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** No further data; see section 7.
- **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.

#### · DNELs

##### 68411-46-1 Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene

Oral	DNEL/general population/Systemic effects/Long-term	0.04 mg/kg/24h (consumer)
Dermal	DNEL / Workers / Systemic effects / Long-term	0.08 mg/kg/24h (worker)
	DNEL/general population/Systemic effects/Long-term	0.04 mg/kg/24h (consumer)
Inhalative	DNEL / Workers / Systemic effects / Long-term	0.6 mg/m3 (worker)
	DNEL/general population/Systemic effects/Long-term	0.14 mg/m3 (consumer)

#### · PNECs

##### 68411-46-1 Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene

PNEC / Aquatic organisms / Freshwater	0.0338 mg/l (aquatic organisms)
---------------------------------------	---------------------------------

(Contd. on page 3)

# Safety Data Sheet

## according to WHS Regulations

Printing date 23.11.2023

Version number 1.4

Revision: 23.11.2023

**Trade name: BOSCH CHAINSAW OIL**

(Contd. of page 2)

PNEC / Aquatic organisms / Marine water	0.00338 mg/l (aquatic organisms)
PNEC/Aquatic org/intermittent releases(freshwater)	0.51 mg/l (aquatic organisms)
PNEC/Aquatic organisms/Sewage treatment plant/STP	10 mg/l (aquatic organisms)
PNEC / Aquatic organisms / Sediment (freshwater)	0.446 mg/kg (aquatic organisms)
PNEC / Aquatic organisms / Sediment (marine water)	0.0446 mg/kg (aquatic organisms)
PNEC / Terrestrial organism / Soil	2.59 mg/kg (terrestrial organisms)

- **Additional information:** The lists valid during the making were used as basis.
- **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**  
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
- **Body protection:** Protective work clothing

## 9 Physical and Chemical Properties

- **General Information**
- **Appearance:**
- **Form:** Fluid
- **Colour:** Orange
- **Odour:** Characteristic
- **Odour threshold:** Not determined.
- **pH-value:** Not determined.
- **Change in condition**
- **Melting point/freezing point:** Undetermined.
- **Initial boiling point and boiling range:** Undetermined.
- **Flash point:** >200 °C
- **Flammability (solid, gas):** Not applicable.
- **Decomposition temperature:** Not determined.
- **Explosive properties:** Product does not present an explosion hazard.
- **Explosion limits:**
- **Lower:** Not determined.
- **Upper:** Not determined.
- **Vapour pressure:** Not determined.
- **Density at 20 °C:** 0.921 g/cm<sup>3</sup> (ASTM D 4052)
- **Relative density** Not determined.
- **Vapour density** Not determined.
- **Evaporation rate** Not determined.

(Contd. on page 4)

# Safety Data Sheet

## according to WHS Regulations

Printing date 23.11.2023

Version number 1.4

Revision: 23.11.2023

Trade name: **BOSCH CHAINSAW OIL**

(Contd. of page 3)

- |  |                                   |
|--|-----------------------------------|
| <b>· Solubility in / Miscibility with</b>        |                                   |
| <b>· water:</b>                                  | Not miscible or difficult to mix. |
| <b>· Partition coefficient: n-octanol/water:</b> | Not determined.                   |
| <b>· Viscosity:</b>                              |                                   |
| <b>· Dynamic:</b>                                | Not determined.                   |
| <b>· Kinematic:</b>                              | 65 mm <sup>2</sup> /s @ 40 °C     |
| <b>· Solvent separation test:</b>                |                                   |
| <b>· VOC (EC)</b>                                | 0.00 %                            |
| <b>· Other information</b>                       |                                   |
| No further relevant information available.       |                                   |

### 10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **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** Based on available data, the classification criteria are not met.

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

#### 68411-46-1 Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene

Oral	LD50	5,000 mg/kg (rat)
	NOEL	100 mg/kg/24h (rat)
	NOAEL	25 mg/kg/24h (rat)
	LOEL	125 mg/kg/24h (rat)
Dermal	LD50	2,000 mg/kg (rat)

- **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.
- **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

- **Toxicity**

- **Aquatic toxicity:**

#### 68411-46-1 Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene

LC50	100 mg/l/96h (fish)
LC0	58 mg/l/96h (fish)
LC100	100 mg/l/96h (fish)
EC50	0.271-1 g/kg/28d (sediment)

(Contd. on page 5)

# Safety Data Sheet

## according to WHS Regulations

Printing date 23.11.2023

Version number 1.4

Revision: 23.11.2023

**Trade name: BOSCH CHAINSAW OIL**

(Contd. of page 4)

EC50	100 mg/l/24h (aquatic invertebrates)
EC50	100 mg/l/72h (algae / cyanobacteria)
EC100	100 mg/l/48h (aquatic invertebrates)
EC50	51 mg/l/48h (aquatic invertebrates)
NOEC	0.03125-1 g/kg/28d (sediment)
	0.5-1 g/kg/28d (terrestr. macroorganisms (- arthropods))
NOEC	10-100 mg/l/72h (algae / cyanobacteria)
NOEC	10 mg/l/48h (aquatic invertebrates)
LOEC	0.0625-1 mg/l/21d (sediment)
	1 mg/l/21d (terrestr. macroorganisms (- arthropods))

- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**

- **Bioaccumulative potential**

**68411-46-1 Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene**

Partition coefficient	5.2-10.8 [---] (log Kow) (Bioaccumulation)
Bioconcentration factor (BCF)	1.73 BCF (Bioaccumulation)
Biodegradability	94.4 % (28d) (Biodegradability) (OECD 301 B)

- **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.
- **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 together with household garbage. Do not allow product to reach sewage system.  
Contact waste processors for recycling information.  
Return product and/or partially emptied container in original packaging to the point of sale or hand it over to a collection point for special waste.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- |                                     |   |
|-------------------------------------|---|
| · <b>UN-Number</b>                  |   |
| · <b>ADG, IMDG, IATA</b>            | Not classified as hazardous for transport |
| · <b>UN proper shipping name</b>    |   |
| · <b>ADG, IMDG, IATA</b>            | Not classified as hazardous for transport |
| · <b>Transport hazard class(es)</b> |   |
| · <b>ADG, ADN, IMDG, IATA</b>       |   |
| · <b>Class</b>                      | Not classified as hazardous for transport |

(Contd. on page 6)

# Safety Data Sheet

## according to WHS Regulations

Printing date 23.11.2023

Version number 1.4

Revision: 23.11.2023

Trade name: **BOSCH CHAINSAW OIL**

(Contd. of page 5)

· <b>Packing group</b> · <b>ADG, IMDG, IATA</b>	Not classified as hazardous for transport
· <b>Environmental hazards:</b>	Not applicable.
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>UN "Model Regulation":</b>	Not classified as hazardous for transport

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **Australian Inventory of Industrial Chemicals**

67701-08-0	OLEIN 3146
8002-13-9	Rape oil
80939-62-4	Amine, C11-14-branched alkyl, Monoxy and dibutyl phosphate
68411-46-1	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic
80-62-6	methyl methacrylate
29190-28-1	2,4-bis(xylylazo)resorcinol
64742-94-5	Solvent naphtha (petroleum), heavy arom.
122-39-4	diphenylamine

- **Standard for the Uniform Scheduling of Medicines and Poisons**

80-62-6	methyl methacrylate	S6, S10
---------	---------------------	---------

- **Australia: Priority Existing Chemicals**

None of the ingredients is listed.
------------------------------------

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Chemical safety assessment:** A Chemical Safety Assessment has 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.

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.

- **purity requirement**
- **Relevant phrases**  
H361 Suspected of damaging fertility or the unborn child.
- **Contact:**
- **Abbreviations and acronyms:**  
Repr. 2: Reproductive toxicity – Category 2
- **\* Data compared to the previous version altered.**