

SECTION 1. CHEMICAL PRODUCT AND COMPANY NAME

Bar & Chain Oil
Part No. 181116-A, 181119-A

Safety Data Sheet

Complies with the OSHA Hazard
Communication Standard :
29 CFR 1910 1200

Makita U.S.A., Inc. 14930-C Northam Street La Mirada, CA 90638	Prepared By :	Stan Rodrigues
	Date Revised:	12/13/2016

EMERGENCY CONTACT INFORMATION

Telephone Number for Information: MAKITA: 1-510-657-9881
Emergency Response
For Chemical Emergency
Spills, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada 1-800-424-9300

SECTION 2. HAZARD IDENTIFICATION

2.1. CLASSIFICATION OF THE CHEMICAL IN ACCORDANCE WITH PARAGRAPH (d) of §1910.1200:
2.1.1. Acute Inhalation Category 4

2.2. Signal Word:
2.2.1. Warning

2.3. Symbol:



2.4. Hazard Statements:
2.4.1. Harmful if Inhaled

2.5. Precautionary Statements:
2.5.1. Prevention:
2.5.1.1. Avoid breathing dust/fume/gas/mist/vapors/spray.
2.5.1.2. Use only outdoors or in a well-ventilated area.

2.5.2. Response:
2.5.2.1. If inhaled: Remove person to fresh air and keep comfortable for breathing.
2.5.2.2. Call a poison center/doctor if you feel unwell.

SECTION 3. COMPOSITION, INFORMATION OR INGREDIENTS

3.1. The chemical name and concentration (exact percentage) or concentration ranges of all ingredients which are classified as health hazards in accordance with paragraph (d) of §1910.1200

3.1.1

COMPONENTS	CAS Number	EU Number	Concentration (%)
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	265-155-0	75-95
Residual Oils, hydrotreated (petroleum)	64742-57-0	265-160-8	5-25

SECTION 4. FIRST AID MEASURE

- 4.1.**
- Skin:** Wash skin with soap and warm water. Wash clothing before re-use.
- Eye:** If splashed into eyes flush eyes with clear water for five (5) minutes.
- Inhalation:** Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.
- Ingestion:** If ingested, do not induce vomiting. Call a physician.

SECTION 5. FIRE FIGHTING MEASURES

- 5.1. Flash Point:** 425°F (218.3°C)
- 5.2. Protective Equipment/Fire Fighting Instructions:**
- 5.2.1. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.
- 5.3. Extinguishing Media:**
- 5.3.1. Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.
- 5.4. Special Firefighting Procedures:**
- 5.4.1. Cool exposed containers with water spray.
- 5.5. Unusual Fire and Explosion Hazards:**
- 5.5.1. Pressure increase in over heated closed containers. Cool containers with water spray.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- 6.1. Spill Procedures:**
- 6.1.1. Remove ignition sources. Recover Liquid. Add absorbent to spill area. Ventilate confined spaces. Advise authorities if product enters sewers, etc.
- 6.2. Waste Disposal:**
- 6.2.1. Assure conformity with applicable disposal regulations. Dispose of absorbed material at approved waste site.
- 6.3. Precautionary Measures**
- 6.3.1. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Wash thoroughly after handling.
- 6.3.2. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water

SECTION 7. HANDLING AND STORAGE

7.1. HANDLING

7.1.1. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum re-conditioner or disposed of properly.

7.2. STORAGE

7.2.1. Keep container closed when not in use. Do not store with strong oxidizing agents. Do not store at elevated temperatures.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1. Component Exposure Limits:

8.1.1. Petroleum distillates, hydrotreated heavy naphthenic

8.1.1.1. ACGIH TLV: 5mg/m³ (oil mist) TWA

8.1.1.2. OSHA PEL: 5mg/m³ (oil mist) TWA

8.1.2. Residual oils, hydrotreated (petroleum)

8.1.2.1. ACGIH TLV: 5mg/m³ (oil mist) TWA

8.1.2.2. OSHA PEL: 5mg/m³ (oil mist) TWA

8.2. Engineering Controls:

8.2.1. Ventilate as needed to comply with exposure limit

8.3. Eye Protection:

8.3.1. Use goggles/face shield to avoid eye contact

8.4. Glove Protection:

8.4.1. Use impervious gloves to avoid repeated/prolonged skin contact.

8.5. Work/Hygienic Practices:

8.5.1. If clothing becomes contaminated, change to fresh clothing. Do not wear until thoroughly laundered.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Appearance/Odor:	Amber colored liquid with mild hydrocarbon odor.
9.2. Odor Threshold:	No data available
9.3. pH:	No data available
9.4. Boiling Point:	Wide range
9.5. Melting Point:	No data available
9.6. Solubility (H ₂ O):	Negligible
9.7. Specific Gravity:	0.9194 @ 15.6°C
9.8. Density:	7.622 lbs/gal
9.9. Octanol/H ₂ O Coeff.:	No data available
9.10. Evaporation Rate (BUAC=1):	<1
9.11. Molecular Weight:	No data available
9.12. Decomposition Temp:	No data available
9.13. Auto Ignition:	No data available
9.14. Lower Flammability Limit:	No data available
9.15. Flash Point:	425°F
9.16. Upper Flammability Limit:	No data available

CONTINUED: SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.17. Vapor Density (Air=1):	>1
9.18. Vapor Pressure:	<1mmHg @ 20°C
9.19. VOC:	Nil
9.20. Flammability Class:	Not classified
9.21. Viscosity @ 40°C	146cSt (146 mm ² /s)
9.22. Viscosity @ 100°C	10.3cSt (10.3 mm ² /s)

SECTION 10. STABILITY AND REACTIVITY

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| 10.1. Reactivity:
10.1.1. Material does not pose a significant reactivity hazard. |
| 10.2. Chemical Stability:
10.2.1. Stable |
| 10.3. Incompatibility/Conditions to avoid:
10.3.1. Avoid strong oxidants |
| 10.4. Possibility of Hazardous Reactions:
10.4.1. Will not undergo hazardous polymerization. |
| 10.5. Hazardous Decomposition Products:
10.5.1. Partial burning produces fumes, smoke and carbon monoxide |

SECTION 11. TOXICOLOGICAL INFORMATION

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| 11.1. Likely Routes of Exposure:
11.1.1. Ingestion, Inhalation, Eye contact, Skin contact. |
| 11.2. Acute Effects:
11.2.1. Inhalation: Harmful if inhaled. May cause respiratory irritation.
11.2.2. Eye Contact: Expected to be minimal/no eye irritation.
11.2.3. Skin Contact: Expected to be minimal/no skin irritation.
11.2.4. Ingestion: Expected to be low ingestion hazard. |
| 11.3. Component Data/ Analysis
11.3.1. Petroleum distillates, hydro treated heavy naphthenic:
11.3.1.1. Oral (LD50) (Rat): Acute: >5000 mg/kg
11.3.1.2. Inhalation (LC50) (Rat): Acute: 2.18 mg/l (4hr)
11.3.1.3. Dermal (LD50) (Rabbit): >2000 mg/kg |
| 11.4. Sensitization:
11.4.1. Based on best current information, there are no known human effects. |
| 11.5. Carcinogenicity:
11.5.1. There is no known information on carcinogenic components. |
| 11.6. Mutagenicity:
11.6.1. Not expected to be mutagenicity. |
| 11.7. Reproductive Toxicity:
11.7.1. Based on best current information, there are no known human effects. |
| 11.8. Teratogenicity:
11.8.1. Based on best current information, there are no known human effects. |

SECTION 12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

12.1.1. An environmental fate analysis is not available for this specific product. Plants and animals may experience harmful or fatal effects when coated with petroleum products. Petroleum-based (mineral) lubricating oils normally will float on water. In stagnant or slow-flowing waterways, an oil layer can cover a large surface area. As a result, this oil layer might limit or eliminate natural atmospheric oxygen transport into the water. With time, if not removed, oxygen depletion in the waterway may be sufficient to cause a fish kill or create an anaerobic environment.

12.2. Environmental Fate

12.2.1. Analysis for ecological effects has not been conducted on this product. However, if spilled, this product and any contaminated soil or water may be harmful to human, animal, and aquatic life. Also, the coating action associated with petroleum and petroleum products can be harmful or fatal to aquatic life and waterfowl.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste Disposal:

13.1.1. Assure conformity with applicable disposal regulations. Dispose of absorbed material at approved waste site.

SECTION 14. TRANSPORT INFORMATION

The shipping description below may not represent requirements for all modes of transportation, shipping methods or locations outside of the United States.

14.1. ROAD AND RAIL

14.1.1. DOT: NOT REGULATED

14.2. VESSEL

14.2.1. IMDG: NOT REGULATED

14.3. AIR

14.3.1. IATA: NOT REGULATED

SECTION 15. REGULATORY INFORMATION

15.1 TSCA Inventory

15.1.1 This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.

15.2. SARA 302/304 Emergency Planning and Notification

15.2.1. No components were identified.

15.3. SARA 311/312 Hazard Identification

15.3.1. Acute (Immediate) Health Hazard

15.4. SARA 313 Toxic Chemical Notification and Release Reporting

15.4.1. No components were identified.

15.5. CERCLA

15.5.1. No components were identified.

15.6. Clean Water Act (CWA)

15.6.1. This material is classified as an oil under Section 311 of the Clean Water Act (CWA) and the Oil Pollution Act of 1990 (OPA). Discharges or spills which produce a visible sheen on waters of the United States, their adjoining shorelines, or into conduits leading to surface waters must be reported to the EPA's National Response Center at (800) 424-8802.

CONTINUED: SECTION 15. REGULATORY INFORMATION

15.7. California Proposition 65:

15.7.1. No components identified.

15.8. New Jersey Right-to-Know Label

15.8.1. Petroleum Oil

SECTION 16. OTHER INFORMATION

16.1.

HAZARD RANKINGS

HMIS		NFPA	
HEALTH HAZARD	1	HEALTH HAZARD	1
FIRE HAZARD	1	FIRE HAZARD	1
PHYSICAL HAZARD	0	INSTABILITY/REACTIVITY	0
PERSONAL PROTECTION	B		

16.2. MANUFACTURER DISCLAIMER:

16.2.1. *The data presented herein is based upon tests and information, which we believe to be reliable. However, users should make their own investigations to determine the suitability of the information for their particular purpose.*