

**1- CHEMICAL PRODUCT AND COMPANY NAME**

**Material Safety**

**Data Sheet**

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

**Gear Grease No.0  
Part # 197439-7**

Makita U.S.A., Inc.  
14930-C Northam Street  
La Mirada, CA 90638

**Prepared By:** Stan Rodrigues

**Date Revised:** 03/14/2022

**Emergency Contact Information**

**Telephone Number for Information:** MAKITA: (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- Hazards Identification**

**2.1 Classification of the substance or mixture**

**Classification (EC1272/D008):** The product is not classified as hazardous according to the CLP regulation.

<b>Physical hazards:</b>	Flammable solids:	Not classified
	Pyrophoric solids:	Not classified
	Self-heating substances and mixtures:	Not classified
	Corrosive to metals:	Not classified
	Acute toxicity-Oral:	Classification not possible
<b>Health hazards:</b>	Acute toxicity-Dermal:	Classification not possible
	Acute toxicity-Inhalation: mist:	Classification not possible
	Skin corrosion/ irritation:	Classification not possible
	Eye damage/ irritation:	Classification not possible
	Sensitization- Respiratory:	Classification not possible
	Sensitization- Skin:	Classification not possible
	Germ cell mutagenicity:	Classification not possible
	Carcinogenicity:	Classification not possible
	Reproductive toxicity:	Classification not possible
	Specific target organ toxicity- Single Exposure:	Classification not possible
Specific target organ toxicity- Repeated Exposure:	Classification not possible	
Aspiration hazard:	Classification not possible	

<b>Environmental hazards:</b>	Hazardous to the aquatic environment- Acute (short-term) aquatic toxicity:	Classification not possible
	Hazardous to the aquatic environment- Chronic (long-term) aquatic toxicity:	Classification not possible
	<u>The hazards without the above mentioned are "Not Applicable" or "Classification not possible".</u>	
<b>Classification (OSHA HCS 29 CFR 1910.1200):</b>		
The product is not classified as hazardous according to OSHA GHS regulations within the United States.		
<b>2.2 Label Elements</b>		
<b>Hazard pictogram(s):</b>	No pictogram	
<b>Signal word:</b>	No signal word	
<b>Hazard statement(s):</b>	No hazard statement	
<b>Precautionary statement(s):</b>		
<b>Prevention:</b>	Not required	
<b>Response:</b>	Not required	
<b>Storage:</b>	Not required	
<b>Disposal:</b>	Not required	
<b>2.3 Other hazards</b>	Combustibility. Keep away from ignition sources such as heat, sparks, and open flames.	

### Section 3- Composition/ Information of Ingredients

<b>Substance/ Mixture</b>	Mixture							
<b>Ingredient(s):</b>								
<b>Chemical name/ generic name:</b>	<b>CAS#</b>	<b>EC#</b>	<b>Wt%</b>	<b>EU Hazard class</b>	<b>EU Category code</b>	<b>USA OSHA PEL</b>	<b>ACGIH TLV</b>	<b>EU ILV</b>
Refined mineral base oil	Confidential	Confidential	80-90	None	None	5mg/ m <sup>3</sup> (TWA: as oil mist)	5mg/ m <sup>3</sup> (TWA: as oil mist)	Not Established
Lithium soap thickener	Confidential	Confidential	5-15	None	None	Not Established	Not Established	Not Established
Additives	Confidential	Confidential	1-10	None	None	Not Established	Not Established	Not Established
(Organic molybdenum.)	68412-26-0	270-180-5	(1-5)	None	None	15mg/ m <sup>3</sup> (TWA: Total dust as Mo)	10mg/ m <sup>3</sup> (TWA: Insoluble compound; as Mo)	Not Established

<b>Carcinogen:</b>	<b>Chemical name:</b> None.	<b>CAS#:</b>	<b>Reference:</b>
No component of this product is listed as a human carcinogen or a potential carcinogen in IARC Monographs, U.S. NTP, OSHA Regulation, and Annex VI of Regulation (EC) 1272/2008.			
Refined mineral base oil, by definition, is considered hazardous according to OSHA. Because it carries Threshold Limit Value (TLV) for mineral oil mist. Refined mineral base oil contain <3.0% DMSO extractable material.			
<b>PBT substance and vPvB substance:</b>	<b>Chemical name:</b> None.	<b>CAS#:</b>	<b>Reference:</b>
No component of this product is a PBT or vPvB substance under Regulation (EC) 1907/2006.			
A statement that the specific chemical identifies and/or exact percentage(s) of composition has been withheld as a trade secret.			

## Section 4- First Aid Measures

<b>4.1 Description of first aid measures</b>	
<b>Inhalation:</b>	Remove exposed person to fresh air if adverse effects are observed.
<b>Skin:</b>	Wash with soap and water. Get medical attention if irritation develops.
<b>Eye:</b>	Flush immediately with water for at least 15 minutes. Get immediate medical attention.
<b>Ingestion:</b>	Do not make person vomit unless directed to do so by medical personnel.
<b>Protection of first aiders:</b>	No action shall be taken involving any personal risk or without suitable training.
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	
See SECTION 11 for more detailed information on health effects and symptoms.	
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	
<b>Notes to physician:</b>	Treatment should in general be symptomatic and directed to relieving any effects.

## Section 5- Fire Fighting Measures

<b>5.1 Extinguishing media</b>	
<b>Suitable extinguishing media:</b>	Use water fog, foam, dry chemical, or carbon dioxide to extinguish flames.
<b>Unsuitable extinguishing media:</b>	DO NOT use forcible water. See SECTION 11 for more detailed information on health effects and symptoms.
<b>5.2 Special hazards arising from the substance or mixture</b>	
<b>Hazards from the substance or mixture:</b>	In a fire or if heated, a pressure increase will occur, and the container may burst.
<b>Hazardous combustion products:</b>	Combustion products may include the following: Carbon oxides (CO, CO <sub>2</sub> ), oxides of sulfur.
<b>5.3 Advice for firefighters</b>	
<b>Special precautions for fire-fighters:</b>	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
<b>Special protective equipment for fire-fighters:</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus with a full face-piece operated in positive pressure mode.

## Section 6- Accidental Release Measures

### 6.1 Personal precautions, protective equipment, and emergency procedures

**For non-emergency personnel:** Eliminate all ignition sources. Evacuate surrounding areas.

**For emergency responders:** Danger of slipping on leaked/ spilled product.

### 6.2 Environmental precautions

Should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

### 6.3 Methods and material for containment and cleaning up

**Small Spill:** Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill:** Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Suction or scoop the spill into appropriate disposal or recycling vessels, then cover spill area with oil absorbent. Dispose of via a licensed waste disposal contractor.

### 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

## Section 7- Handling and Storage

### 7.1 Precautions for safe handling

**Protective measures:** Put on appropriate personal protective equipment (see SECTION 8).

**Advice on general occupational hygiene:** Workers should wash hands and face before eating, drinking, and smoking. Avoid contact with eyes, skin, and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a dry, cool and well-ventilated area, away from incompatible materials (see SECTION 10). Keep away from heat and direct sunlight. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Store and use only in equipment/ containers designed for use with this product. Do not store in unlabeled containers.

**Not suitable:** Prolonged exposure to elevated temperature.

### 7.3 Specific end use(s)

No further relevant information available.

## Section 8- Exposure Controls/ Personal Protection

### 8.1 Control parameters

No exposure limit value known on the product itself.  
OSHA PEL: TWA: 5 mg/ m<sup>3</sup> 8 hours. (As oil mist, mineral)  
ACGIH TLV: TWA: 5 mg/ m<sup>3</sup> 8 hours. (As oil mist, mineral)  
NIOSH REL: TWA: 5 mg/ m<sup>3</sup> 10 hours. (As oil mist, mineral)  
EU ILV: Not established

## 8:2 Exposure controls

**Appropriate engineering controls:** When mist is generated, the limited part should be ventilated.

A washing facility/water for eye and skin cleaning purposes should be present.

### Individual protection measures, such as personal protective equipment

<b>Eye/face protection:</b>	<input checked="" type="checkbox"/> <b>Required</b> <input type="checkbox"/> <b>Not Required</b> Wear safety glasses with side shields.
<b>Skin (hand/other) protection:</b>	<input checked="" type="checkbox"/> <b>Required</b> <input type="checkbox"/> <b>Not Required</b> To prevent contact, wear impervious clothing such as glove or apron.
<b>Respiratory protection:</b>	<input type="checkbox"/> <b>Required</b> <input checked="" type="checkbox"/> <b>Not Required</b> No special respiratory protection equipment is required under normal conditions of use with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Thermal hazards:</b>	<input type="checkbox"/> <b>Required</b> <input checked="" type="checkbox"/> <b>Not Required</b> Not normally required
<b>Environmental exposure controls:</b>	Avoid release to the environment

## Section 9- Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b>	Smooth, yellow, semi-solid
<b>Odor:</b>	Bland odor
<b>Odor Threshold:</b>	Not determined
<b>pH:</b>	Not determined
<b>Melting point/ freezing point (°C):</b>	Not determined
<b>Initial Boiling point and boiling range (°C):</b>	Undetermined
<b>Flash point (°C):</b>	>200 (SETA)
<b>Evaporation rate:</b>	Not determined
<b>Upper/lower flammability or explosive limits:</b>	Not determined
<b>Vapor pressure:</b>	Not determined
<b>Relative density:</b>	Not determined
<b>Density/specific gravity:</b>	Ca. 0.89 (25 °C)
<b>Solubility(ies):</b>	Negligible (in water)
<b>Partition coefficient; n-octanol/water:</b>	Not determined
<b>Auto-ignition temperature (°C):</b>	Not determined
<b>Decomposition temperature (°C):</b>	Not determined
<b>Viscosity (m Pa s):</b>	Not determined
<b>Explosive properties:</b>	Not determined
<b>Oxidizing properties:</b>	Not determined

### 9.2 Other information

No further information available.

## Sections 10- Stability and Reactivity

**10.1 Reactivity** No specific test data available for this product.

**10.2 Chemical stability:**  Stable  Unstable

**10.3 Possibility of hazardous reactions:**  May Occur  Will not Occur

**10.4 Conditions to avoid:** Heat, sparks, flames and other ignition sources.

**10.5 Incompatible materials:** Acids. Oxidizing agents such as H<sub>2</sub>O<sub>2</sub> permanganates and perchlorates.

Halogens and halogenated compounds.

**10.6 Hazardous decomposition products:** Carbon oxides (CO, CO<sub>2</sub>), oxides of sulfur.

**Section 11- Toxicological Information**

**11.1 Information on toxicological effects**

<b>Likely routes of exposure:</b>	Eye contact, skin, ingestion
<b>Symptoms related to the physical, chemical, and toxicological characteristics:</b>	See SECTION 4 for skin contact, eye contact, and ingestion.
<b>Delayed and immediate effects and chronic effects from short- and long-term exposure:</b>	Not applicable
<b>Numerous measures of toxicity:</b>	Not applicable
<b>Acute toxicity:</b>	Oral rats LD50:>5000 mg/kg (Base oil) Dermal rats LD50:>5000 mg/kg (Base oil) Inhalation (vapor): No data available Inhalation (mist): >LC50 5mg/kg (Base oil)
<b>Skin corrosion/ irritation:</b>	No known significant effects or critical hazards.
<b>Serious eye damage/ irritation:</b>	No known significant effects or critical hazards.
<b>Sensitization-Respiratory:</b>	No known significant effects or critical hazards.
<b>Sensitization-Skin:</b>	No known significant effects or critical hazards.
<b>Germ cell mutagenicity:</b>	No known significant effects or critical hazards.
<b>Carcinogenicity:</b>	Base oil, Thickener, Additives: Not listed by IARC, OSHA, NTP, EU and ACGIH.
<b>Toxic to reproduction:</b>	No known significant effects or critical hazards.
<b>Specific target organ systemic toxicity following single exposure:</b>	No known significant effects or critical hazards.
<b>Specific target organ systemic toxicity following repeated exposure:</b>	No known significant effects or critical hazards.
<b>Aspiration hazard:</b>	No known significant effects or critical hazards.
<b>Other information:</b>	No further relevant information available.

**Section 12- Ecological Information**

<b>12.1 Toxicity</b>	
<b>Aquatic:</b>	No further relevant information available.
<b>Terrestrial:</b>	No further relevant information available.
<b>12.2 Persistence and degradability</b>	No specific test data available for this product.
<b>12.3 Bio accumulative potential</b>	No further relevant information available.
<b>12.4 Mobility in soil</b>	No further relevant information available.
<b>12.5 Results of PBT and vPvB assessment</b>	Not applicable
<b>12.6 Other adverse effects</b>	No additional information available.

### Section 13- Disposal Considerations

#### 13.1 Waste treatment methods

**Product and packaging:** Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of this material.

### Section 14- Transport Information

14.1 UN number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	
<b>Marine pollutant:</b>	<input type="checkbox"/> Yes Chemical (wt%): <input checked="" type="checkbox"/> No
14.6 Special precautions for user	Not applicable
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

### Section 15- Regulatory Information

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
EU information (EC) 1907/2006	Not regulated
Title VII: (EC)1907/2006	
Title VI: (EC)1005/2009:	Not regulated
(EC)805/2004:	Not regulated
(EU)649/2012:	Not regulated
Others:	No further relevant information available.
USA information TSCA (toxic substances control act)	Not regulated. All ingredients are listed.
Information on the label under OSHA HCS	
Signal word:	Not required
Hazard statement(s):	Not required
Pictogram(s):	Not required
Precautionary statement(s):	Not required
Unclassified hazards (HNOC):	Not applicable
Percentage of ingredient(s) with unknown toxicity:	Not applicable
SARA Title III & 313:	<b>Chemical name:</b> Zinc compounds <b>Wt%:</b> 1 ~5
California Proposition 65:	<b>Chemical name:</b> None <b>Wt%:</b>
Others:	No further relevant information available.

<b>Japan Information</b> <b>MITI (JAPAN):</b>	All ingredients are listed.
<b>15.2 Chemical safety assessment</b>	This product contains substances for which Chemical Safety Assessments are still required.

## Section 16- Other information

<b>Other information</b>	No additional information available.
<b>Date of issue:</b>	July 1, 2016
<b>Date of preparation of the SDS or the last change to it:</b>	Not applicable

### Literature reference:

- U.S. Department of Labor, 29CFR Part 1910.
- U.S. Environmental Protection Agency, 40CFR Part 372.
- U.S. Consumer Product Safety Commission, 16CFR Part 1500.
- -ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices.
- U.S. Department of Health and Human Services National Toxicology Program, Annual Report on Carcinogens.
- World Health Organization International Agency for Research on Cancer, IARC Monographs on the Evaluation on the Carcinogenic Risk of Chemicals to Humans.
- -EU Regulation (EC) 100512009, (EC) 80512004, (EU) 64912012, (EC) 190712006, (EC) 127212008 and Their Amendments.

### Abbreviations:

EU: European Union.  
 CLP: Regulation in the European Union through Classification and Labelling of Chemicals.  
 TSCA: Toxic Substances Control Act  
 OSHA HCS: Occupational Safety and Health Act~ Hazard Communication Standard (USA).  
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
 OSHA PEL: PEL (Permissible Exposure Limit) under Occupational Safety and Health Administration.  
 ACGIH TLV: TLV (Threshold Limit Value) under American Conference of Governmental Industrial Hygienists.  
 EU IL V: Indicative Limit Values for Occupational Exposure under EU Directive 91/322/EEC, 2000/39/EC and 2006/15/EC.  
 PBT: Persistent, Bio accumulative and Toxic  
 vPvB: Very Persistent and Very Bio accumulative.