

Safety Data Sheet (SDS)

Section 1: Identification

Product Identifier:
 Product name: LS Oil

Other Means of Identification:
 Code No.: 8491720 (NET 60ml)

Recommended Use of the Chemical and Restrictions on Use:
 Relevant Identified Uses: Lubricant for dental handpiece
 Uses Advised Against: Unintended uses

Details of the Supplier:
 Manufacturer:
 Company Name: J. MORITA MFG. CORP.
 Address: 680 Higashihama Minami-cho Fushimi-ku, Kyoto, 612-8533 Japan
 Telephone No.: +81-75-611-2141

Distributor:
 Company Name: J. MORITA USA, INC.
 Address: 9 Mason, Irvine, CA 92618, USA
 Telephone No.: +1-949-581-9600

Emergency phone number: +1-949-581-9600

Section 2: Hazard(s) Identification

Classification of the Substance/Mixture

GHS Classification		Regulation EC No. 1272/2008
STOT Repeated Exposure:	Category 1	STOT RE. 1
Aspiration Hazard:	Category 1	Asp. Tox. 1

Label Elements:
 Pictogram:



GHS08 Health hazard

Signal Word:
 Hazard Statements

Danger
 • H304 May be fatal if swallowed and enters airways.
 • H372 Causes damage to organs (Liver, lymph nodes) through prolonged or repeated exposure.

Precautionary Statements:
 Prevention:

• P260 Do not to breathe fume / gas / mist / vapors / spray.
 • P264 Wash hands thoroughly after handling.
 • P270 Do not eat, drink or smoke when using this product.

Response:

• P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.
 • P331 Do NOT induce vomiting.

Storage:
 Disposal:

• P405 Store locked up.
 • P501 Dispose of contents/container in accordance with local / regional / national / international regulations.

Other Hazards
 EU:

The product does not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII.

Australia:

This product is classified as Non-Hazardous (WHS requirement) and Non-Dangerous (ADG requirement).

Korea:

All components of the product have been listed in the Korea Existing Chemical Inventory and are not a regulated substance under the Toxic Chemicals Control Act.

Section 3: Composition/Information on Ingredients

Mixtures
 Concentration or Concentration Range in the Mixture:

Chemical Name	CAS No.	EC No.	Index No.	wt %
White Mineral Oil (Liquid Paraffin)	8042-47-5	232-455-8	--	80-99
Oiliness Improver	Non-Disclosure	Non-Disclosure	--	1-20

Section 4: First-Aid Measures

Description of first aid measures:

If Inhaled:	<ul style="list-style-type: none">• Move victim to fresh air and keep resting in a comfortable position for breathing.• Get medical advice/attention if you feel unwell.
If on Skin:	<ul style="list-style-type: none">• Wash with plenty of soap and water.• If skin irritation occurs, get medical advice/attention.
If in Eyes:	<ul style="list-style-type: none">• Rinse cautiously with water for several minutes.• If irritation persists, get medical advice/attention.
If Swallowed:	<ul style="list-style-type: none">• Rinse mouth, do not induce vomiting, and immediately call poison control or doctor/physician.• Get medical advice/attention if you feel unwell.
Most Important Symptoms and Effects, both Acute and Delayed:	May cause granulomas.
Indication of any Immediate Medical attention and Special Treatment Needed:	No further relevant information available.

Section 5: Fire-Fighting Measures

Extinguishing Media:	
Suitable extinguishing media:	<ul style="list-style-type: none">• Chemical water spray (fog), Foam, Dry chemical or Carbon dioxide.
Not Suitable Extinguishing Media:	<ul style="list-style-type: none">• Full water jet.
Specific Hazards Arising from the Substance or Mixture:	<ul style="list-style-type: none">• Toxic gas generated in case of fire.
Advice for Firefighters:	<ul style="list-style-type: none">• Cut off any ignition sources and extinguish with an appropriate agent.• Cool the surrounding tank and the buildings with direct water jet to avoid risks of fire spreading.• Take action from windward.• Keep out, except responsible personnel.• Move container to a safe area if it can be done without risk.• Wear full protective equipment: eye/face (shield), body (full Bunker Gear), respiratory (SCBA).

Section 6: Accidental Release Measures

Personal Precautions Protective Equipment and Emergency Procedures:	
For non-emergency personnel:	<ul style="list-style-type: none">• Wear suitable protective equipment (see Section 8) e.g., safety gloves, protective mask and/or protective glasses to prevent exposure.
For emergency responders:	<ul style="list-style-type: none">• Keep out non-emergency personnel.• Wear suitable protective equipment described in "SECTION 8: Exposure controls/personal protection".
Environmental Precautions:	<ul style="list-style-type: none">• Avoid release into the environment, product may cause local effects.• Inform respective authorities in case of seepage into water course or sewage system.• Do not allow material to enter sewers/surface or ground water.
Methods and Material for Containment and Cleaning up:	<ul style="list-style-type: none">• Stop leak if you can do it without risk.• If a small amount, wipe off spilled material with waste or wiping cloth and collect it in an adequate waste container.• If a large amount, prevent leakage and enclose by embankment.• Prevent from flowing into drains, sewers, basements or any closed areas.• Pump into a waste container with explosion-proof equipment and/or wipe up with absorbent material.• Clean spilled area with appropriate cleaner.

Section 7: Handling and Storage

Precautions for Safe Handling:	
Protective Measures:	<ul style="list-style-type: none">• Install appropriate equipment and wear suitable protective apparatus described in "SECTION 8".• Keep away from heat, sparks, open flames, and hot surfaces. No smoking.• Ground/bond container and receiving equipment.• Use explosion-proof electrical, ventilation, and lighting equipment.• Use only non-sparking tools.• Take precautionary measures against static discharge.• Wash contaminated clothing before reuse.• Do not handle until all safety precautions on SDS have been read and understood.• Use outdoors or in a well-ventilated area.• Do not breathe fumes, gas, mist, vapor, and/or spray.
Advice on General Occupational Hygiene:	<ul style="list-style-type: none">• Wash hands thoroughly after handling.• Do not eat, drink or smoke when using this product.
Conditions for Safe Storage, Including any Incompatibilities:	
Technical Measures:	<ul style="list-style-type: none">• Install appropriate equipment and wear suitable protective apparatus described in "SECTION 8".
Incompatible Materials:	<ul style="list-style-type: none">• Store away from oxidizing agents.
Conditions for Safe Storage:	<ul style="list-style-type: none">• Avoid heat, open flames, including pilot light, and strong oxidizing agents.• Ground all handling equipment to prevent sparking.• Store locked up.• Store in a cool and dry place with adequate ventilation.• Keep container closed when not in use.
Packing Material:	<ul style="list-style-type: none">• Use a sealed container without damage or leakage.
Specific End Uses(s):	<ul style="list-style-type: none">• No further relevant information available.

Section 8: Exposure Controls/Personal Protection

Control Parameters:

Acceptable Concentration (exposure limit, biological exposure index):

EU IOELV:	Not applicable.
ACGIH TLV-TWA (2018):	Not applicable.
ACGIH TLV-STEL (2018):	Not applicable.

Exposure Controls:

Appropriate Engineering Controls:

- Be equipped with local exhaust ventilation (explosion-proof) if you are generating vapor or mist.
- Have body and eye washer available in the vicinity of the handling location.

Personal Protective Equipment:

Respiration protection:

- None necessary when room is well-ventilated.
- If vapor or mist is generated, wear a mask for organic gas.

Hand protection:

- Oil resistant gloves.

Eye protection:

- Safety glasses.

Skin and body protection:

- Wear oil-proof long sleeve work clothing.

Section 9: Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Appearance:	Liquid, Colorless
Odor:	Odorless
Odor Threshold:	Not applicable
pH:	Not determined
Melting point:	Not determined
Boiling point:	Not applicable
Flash point:	170°C< (Method used: C.O.C.)
Evaporation Rate:	Not applicable
Flammability (solid, gas):	Not applicable
Upper/lower flammability or Explosive Limits:	Not applicable
Vapor pressure:	Not determined
Vapor Density:	Not determined
Relative Density:	0.86 g/cm ³ (at 15°C) as a representative value
Solubility:	Insoluble in water.
Partition Coefficient:	n-Octanol/Water: Not applicable
Auto-Ignition Temperature:	Not determined
Decomposition Temperature:	Not determined
Viscosity:	12 mm ² /s (at 40°C) as a representative value
Explosive Properties:	Not determined
Oxidizing Properties:	Not determined
Other Information:	Not determined

Section 10: Stability and Reactivity

Reactivity:	Stable under room temperature.
Chemical Stability:	This is a stable material under normal anticipated storage and handling conditions.
Possibility of Hazardous Reactions:	No hazardous reaction expected under normal handling.
Conditions to Avoid:	Open flames, welding arcs, or high temperature sources.
Incompatible Materials:	Oxidizing agent.
Hazardous Decomposition Products:	In case of fire, toxic decomposition products may be generated.

Section 11: Toxicological Information

Information on Toxicological Effects

Acute Toxicity (orel):	Not classified White mineral oil LD50 > 5000mg/kg.
Skin Corrosion / Irritation:	Not classified Oral mucosa irritation test in Syrian hamsters. Irritation index: 0.4, within the acceptable limit. Investigation by a third party organization.
Serious eye damage/irritation:	Based on available data, the classification criteria are not met.
Respiratory or Skin Sensitization:	Not classified GPMT Magnusson and Kligman scores: 0, not indicate sensitization. Investigation by a third party organization.
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:	Category 1 (Liver, lymph nodes) White mineral oil NOEL/LOEL: 1.7mg/kg/day, IUCLID(2000).
Aspiration Hazard:	Category 1 The kinematic viscosity of Hydrocarbon: less than 20.5mm ² /s, at 40°C.

Section 12: Ecological Information

Toxicity:	Not determined.
Persistence and degradability:	Not easily biodegradable.
Bio accumulative potential:	Not determined.
Mobility in soil:	If this product is released into the environment, it may be distributed in the soil. This product may not be readily biodegradable.
Other adverse effects:	Each ingredient of this material has not been listed in the Montreal Protocol on Substances that Deplete the Ozone Layer.
Results of PBT and vPvB Assessment:	This product does not meet the PBT and vPvB criteria.

Section 13: Disposal Considerations

Disposal Methods:	<ul style="list-style-type: none">• Waste should not be disposed in the sewer.• Disposal of this product should comply, at all times, with the requirements of environmental protection and waste disposal legislations and any regional local authority requirements.
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Section 14: Transport Information

UN Number:	Not applicable.
UN Proper Shipping Name:	Not applicable.
Transport Hazard Class(es):	Not applicable.
Packing Group:	Not applicable.
Environmental Hazards:	Not applicable.
Special Precautions for User:	<ul style="list-style-type: none">• When transporting, avoid direct sunlight.• Confirm no leakage to containers.• When loading, prevent containers from damage, falling or dropping. Take measures to prevent collapse.
Transport in Bulk According to Annex II of MARPOL 73/78 and IBC code:	Not applicable.

Section 15: Regulatory Information

Safety, health and environmental regulations/ legislation specific for the product in question.
DIRECTIVE 2012/18/EU

Named dangerous substances - ANNEX I:	None of ingredients is listed.
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USA:

CLEAN WATER ACT (CWA):	This material is not regulated under the Clean Water Act.
CLEAN AIR ACT (CAA):	This material is not regulated under the Clean Air Act.

AUSTRALIA:

Work Health and Safety Act (WHS):	Non-Hazardous
Australian Dangerous Goods (ADG) Code:	Non-Dangerous
SUSMP:	Not applicable

KOREA:

Toxic Chemicals Control Act (TCCA):	Not applicable
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Chemical safety assessment: Chemical safety assessment has not been carried out.

Section 16: Other Information

Abbreviations:	PBT: Persistent, Bio accumulative and Toxic substance STOT: Specific Target Organ Toxicity SVHC: Substances of Very High Concern GHS: Globally Harmonized System of Classification and Labelling of Chemicals LD50: Lethal Dose, 50% GPMT: Guinea Pig Maximization Test NOEL: No Observed Effect Level LOEL: Lowest Observed Effect Level IUCLID: International Uniform Chemical Information Database
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This data is based on our present knowledge. However, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Disposal of this product should comply, at all times, with the requirements of environmental protection and waste disposal legislations and any regional local authority requirements.