

## Safety Data Sheet (SDS)

### 1. Identification of the substance/preparation and of the company/undertaking


<b>Product name:</b> LS BELL HAMMER Cartridge No.2
<b>Manufacturer/Supplier:</b> SUZUKI KIKOH CO., LTD.
<b>Address:</b> 316-3 Matsuhidai, Matsudo, Chiba, 270-2214
<b>Department:</b> --
<b>Tel:</b> +81-47-385-5311
<b>Fax.:</b> +81-47-385-5313
<b>Emergency telephone:</b> +81-47-385-5311
<b>Email:</b> --
<b>Recommended use of the chemical and restrictions on use:</b> Lubricant. Restrictions on use: Do NOT use it in an application which may contaminate food or do harm to human health.

### 2. Hazard Identification

#### GHS classification

<b>Physical hazards</b>	Explosives	Not applicable
	Flammable gases	Not applicable
	Flammable aerosols	Not applicable
	Flammable, oxidizing gases	Not applicable
	Gases under pressure	Not applicable
	Liquefied gases	Not applicable
	Flammable liquids	Classification not possible
	Flammable solids	Not applicable
	Pyrophoric liquids	Classification not possible
	Pyrophoric solids	Not applicable
	Substances and mixtures, which in contact with water, emit flammable gases	Not classified
	Oxidizing liquids	Classification not possible
	Oxidizing solids	Not applicable
	Organic peroxides	Classification not possible
	Self-heating substances and mixtures	Classification not possible
Corrosive to metals	Not classified	
<b>Health hazards</b>	Acute toxicity (oral)	Not classified
	Acute toxicity (dermal)	Not classified
	Acute toxicity (inhalation: gases)	Not classified
	Acute toxicity (inhalation: vapour)	Not classified
	Acute toxicity (inhalation: dust and mist)	Category 4
	Skin corrosion/irritation	Category 3
	Serious eye damage/eye irritation	Category 2B
	Respiratory sensitizer	Not classified
	Skin sensitizer	Not classified
	Germ cell mutagenicity	Category 2
	Carcinogenicity	Not classified
Reproductive toxicity	Not classified	

	Specific target organ toxicity following single exposure	Category 2 (lung)
	Specific target organ toxicity following repeated exposure	Category 4 (lung, skin)
	Aspiration hazard	Category 1
<b>Environmental hazards</b>	Acute hazards to the aquatic environment	Not classified
	Chronic hazards to the aquatic environment	Not classified
	Hazard to the ozone layer	Not classified

<b>GHS Label elements:</b>	
<b>Signal word</b>	<b>Danger</b>
<b>Symbol</b>	
<b>Hazard statement</b>	<p>H304: May be fatal if swallowed and enters airways.</p> <p>H316: Causes mild skin irritation.</p> <p>H320: Causes eye irritation.</p> <p>H332: Harmful if inhaled.</p> <p>H340: May cause genetic defects.</p> <p>H371: May cause damage to organs (lung).</p> <p>H372: Cause damage to organs (lung, skin) through prolonged or repeated exposure.</p>
<b>Precautionary Statements</b>	<p>P201: Obtain special instructions before use.</p> <p>P202: Do not handle until all safety precautions have been read and understood.</p> <p>P260: Do not breathe fume/gas/mist/vapour/spray.</p> <p>P264: Wash hands thoroughly after handling.</p> <p>P270: Do not eat, drink or smoke when using this product.</p> <p>P271: Use only outdoors or in a well-ventilated area.</p> <p>P281: Use personal protective equipment as required.</p>
<b>Response Precautionary Statements</b>	<p>P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.</p> <p>P331: Do NOT induce vomiting.</p> <p>P332+P313: If skin irritation occurs: get medical advice/attention.</p> <p>P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.</p> <p>P312: Call a POISON CENTER or doctor/physician if you feel unwell.</p> <p>P305+P351+P338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do—continue rinsing.</p> <p>P337+P313: If eye irritation persists: get medical advice/attention.</p> <p>P308+P313: IF exposed or concerned: Get medical advice/attention</p> <p>P309+P311: IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician.</p>
<b>Storage precautionary statements</b>	P405: Store locked up.
<b>Disposal precautionary statements</b>	P501: Dispose of contents/container according to relevant local and national regulations.

**3. Composition/information on ingredients**

<b>Product description:</b>	substance (); preparation/mixture (✓)
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Ingredient (s)	By weight (%)	Chemical formula	MITI No.	CAS No.	PRTR Government ordinance No.	Notified information of hazardous and dangerous substances under Industry Safety and Health Law (Government ordinance No.)
Mineral oil (refined)	45-55	unspecified	Not applicable	trade secret	Not applicable	Article 18-2, Attached Table 9-168 of Cabinet order
Thickening agent (lubricating soap containing calcium)	40-50	unspecified	Not applicable	trade secret	Not applicable	Not applicable
Additives	3-10	unspecified	Not applicable	trade secret	Not applicable	Not applicable

**4. First-aid measures**

**Adverse effects are not expected from this product. The following measures are for precautionary purpose.**

<b>After inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
<b>After skin contact</b>	Wash with soap and water. Wash contaminated clothes before reuse. Get medical attention if irritation occurs.
<b>After eyes contact</b>	Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing. If irritation persists, seek medical care.
<b>After ingestion</b>	Rinse mouth. Do not induce vomiting without professional guide. Immediately call a POISON CENTER or doctor/physician.
<b>Acute effect and delayed effect</b>	Acute effect: May be fatal if swallowed and enters airways. Causes mild skin irritation. Causes eye irritation. Harmful if inhaled. May cause damage to organs (lung). Delayed effect: Cause damage to organs (lung, skin) through prolonged or repeated exposure.
<b>Personal protective equipment</b>	Wear protective gloves/clothing/safety glasses/respirators when necessary.
<b>Indication of immediate medical attention and treatment needed, if necessary</b>	Treat according to symptoms.

**5. Fire-fighting measures**

<b>Extinguishing Media</b>	Use CO <sub>2</sub> , chemical powder and foam for extinction. Do not use water spray.
<b>Specific Hazards Arising from the Chemical</b>	No special fire hazard under normal conditions.

<b>Fire Fighting Method (General method)</b>	Shut off air supply. Extinguish fire from upwind and cool down containers by water spray. Remove containers from fire area if it can be done without risk. Deny unnecessary entry to the place around the fire.
<b>Fire Fighting Equipment</b>	Firefighters must extinguish fire from upwind and wear full protective equipment. Wear impermeable gloves when skin protection. Wear respiratory protection as it may lack of oxygen or hazardous gas may be inhaled.

#### 6. Accidental release measures

<b>Personal precautions, protective equipment an emergency procedures</b>	Deny unnecessary entry to the place around the release place. Use proper personal protective equipment as indicated in Section 8. Stop the leakage if it can be done without risk. Do not contact spills.
<b>Environmental precautions</b>	Keep cleaning run-offs out of municipal sewers and open bodies of water. Comply with local and national laws and regulations.
<b>Methods and material for containment and cleaning up</b>	Mop up or absorb with an inert dry material (e.g. sand, dry lime) and place in an appropriately labeled waste disposal container. For large spills, dike with earth and sand, etc. to prevent further spills. Flush the contaminated surface with water.
<b>Precautionary measures for secondary hazard</b>	Prevent leakage from flowing into enclosed space (e.g. drain, sewer, basement, etc.).

#### 7. Handling and storage

<b>Handling</b>	
<b>Technical measures</b>	Use proper personal protective equipment as indicated in Section 8.
<b>Precautions for safe handling</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe fume/gas/mist/vapour/spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Use personal protective equipment as required. Handle with care to avoid damage of packaging.
<b>Storage</b>	
<b>Conditions for safe storage</b>	Store in a cool, well-ventilated and dry place. Avoid long-time exposure to direct sunlight. Store locked up. Keep out the reach of children.
<b>Incompatible substances or mixtures</b>	Strong oxidants.
<b>Appropriate technical measures</b>	Paste a label on each container indicating possible hazards and precautions. Do not stack too high to avoid falling down.
<b>Packing materials</b>	Recommend using sealed plastic containers.

**8. Exposure controls/personal protection****Control parameters:**

Ingredients	OSHA PEL-TWA	ACGIH TLV-TWA	Japan Industry & Health Association-PELs
Mineral oil (refined)	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>	3mg/m <sup>3</sup>

<b>Engineering Controls</b>	Install eye washer and safety shower near handling and storage area. Provide local exhaust system or explosion-proof devices.
<b>Personal Protective Equipment</b>	
<b>Respiratory Protection</b>	When high concentration of vapour occurs, wear respiratory protective equipment (e.g. supplied-air respirator, breathing apparatus, etc.) and eye protective equipment (e.g. goggles).
<b>Protection of hands</b>	Wear impermeable rubber gloves
<b>Protection of eyes</b>	Wear safety glasses when liquid may splash.
<b>Protection of body</b>	Wear appropriate protective equipment (e.g. impermeable gloves, protective boots, etc.)
<b>General protective and hygienic measures</b>	Wash hands before breaks and at the end of work. Do not inhale vapour generated from processing. Avoid contact with eyes and skin.

**9. Physical and chemical properties**

<b>General Information</b>	
<b>Form</b>	Semi-solid
<b>Colour</b>	Light brown
<b>Odour</b>	Slight
<b>pH</b>	No data available
<b>Melting point/Melting range</b>	No data available
<b>Boiling point/Boiling range</b>	No data available
<b>Flash point</b>	>200°C
<b>Self-igniting Temperature</b>	No data available
<b>Flammability (solid, gas, etc.)</b>	Not applicable
<b>Flammable/Explosive Limits</b>	Lower: 1 (estimated), upper: 7 (estimated)
<b>Vapour pressure</b>	No data available
<b>Vapour density</b>	No data available
<b>Evaporation Rate (Butyl acetate=1)</b>	No data available
<b>Specific gravity</b>	Approximately 1.0 (25 °C)
<b>Solubility</b>	Insoluble in water
<b>n-octanol/Water Partition Coefficient</b>	No data available
<b>Volatile organic compound (VOC)</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Viscosity</b>	No data available

**10. Stability and reactivity**

<b>Stability</b>	Stable under normal temperatures and pressures.
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<b>Possibility of hazardous Reactions</b>	No relevant information.
<b>Conditions to avoid</b>	Avoid long-time exposure to direct sunlight and heating. Keep out the reach of children.
<b>Materials to avoid</b>	Strong oxidants, acids and alkalis.
<b>Hazardous Decomposition Products</b>	Hazardous fume and gas (e.g. carbon oxides) may be released from heating.

### 11. Toxicological information

<b>Acute toxicity:</b> The toxicity data of this product has not been determined by testing or research, the toxicity data shown below is for reference only.	
<b>LD 50/LC50 (Median lethal dose)</b>	
<b>Acute toxicity (Oral)</b>	Mineral oil (refined): LD50 > 5,000mg/kg (rat) Classification of the whole product: not classified.
<b>Acute toxicity (Dermal)</b>	Mineral oil (refined): LD50 > 5,000mg/kg (rat) Classification of the whole product: not classified.
<b>Acute toxicity (Inhalation)</b>	Mineral oil (refined): LC50: 2.18mg/l/4(rat) Classification of the whole product: Category 4
<b>Skin corrosion/irritation</b>	Mineral oil (refined): Category 3 Classification of the whole product: Category 3
<b>Serious eye damage/eye irritation</b>	Mineral oil (refined): Category 2B Classification of the whole product: Category 2B
<b>Respiratory sensitizer</b>	No relevant classification for this product.
<b>Skin sensitizer</b>	No relevant classification for this product.
<b>Germ cell mutagenicity</b>	Mineral oil (refined): Category 2 Classification of the whole product: Category 2
<b>Carcinogenicity</b>	No relevant classification for this product.
<b>Reproductive Toxicity</b>	No relevant classification for this product.
<b>Specific target organ toxicity following single exposure</b>	Mineral oil (refined): Category 2 (lung) Classification of the whole product: Category 2 (lung)
<b>Specific target organ toxicity following repeated exposure</b>	Mineral oil (refined): Category 1 (lung, skin) Classification of the whole product: Category 1 (lung, skin)
<b>Aspiration hazard</b>	Mineral oil (refined): Category 1 Classification of the whole product: Category 1

### 12. Ecological information

<b>Mobility in Soil</b>	No data available.
<b>Persistence and Degradability</b>	No data available.
<b>Bioaccumulative Potential:</b>	No data available.
<b>Ecotoxicity</b>	No data available.

### 13. Disposal considerations

<b>Disposal of waste</b>	Minimize the hazard of waste by the methods of neutralization and stabilization.
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	<p>Any disposal practice must be in compliance with country, local, state, and federal laws and regulations.</p> <p>After contents are completely removed, dispose of its container at hazardous or special waste collection point.</p> <p>Paste a label on the container indicating the possible hazards of the waste.</p>
<b>Disposal of contaminated containers and packaging</b>	<p>Cleaning containers according to relevant criteria and regulations.</p> <p>Remove contents thoroughly before disposal.</p>

**14. Transport Information**

<b>International laws and regulations</b>	
<b>DOT/Air-Transportation-IATA/ICAO/Sea-Transportation-IMO/IMDG</b>	
<b>UN No.</b>	Not applicable
<b>Proper Shipping Name</b>	Not regulated
<b>Hazard Class</b>	Not applicable
<b>Packing Group</b>	Not applicable
<b>Marine Pollutant</b>	Not applicable
<b>Pictogram</b>	Not applicable
<b>Domestic laws and regulations</b>	
<b>Hazard class</b>	Not applicable
<b>UN No.</b>	Not applicable
<b>Proper Shipping Name</b>	Not regulated
<b>Packing Group</b>	Not applicable
<b>Land transportation (Fire-Fighting Law)</b>	Category 4 (Flammable liquid): The fourth petroleum category
<b>Sea transportation (Safety of Ships Law)</b>	Not applicable
<b>Air transportation (Aviation Law)</b>	Not applicable
<b>Emergency response guideline No.</b>	Not applicable
<b>Special precautions for user</b>	Check whether the package is completed or sealed before transporting; make sure no damage of packages and prevent goods from falling down during transporting; the transport vehicle should be equipped with facilities for fire-fighting and accidental release handling; do NOT transport this product together with incompatible substances; stay away from fire and areas of high temperature during stopovers.

**15. Regulatory information**

<b>Fire-Fighting Law</b>	Category 4 (Flammable liquid): The fourth petroleum category (200°C-250°C)
<b>Industry Safety and Health Law</b>	
<b>Notified information of hazardous and dangerous substances under this law</b>	Mineral oil (refined): Article 18-2, Attached Table 9-168 of Cabinet order
<b>Poisonous and Deleterious Substances Control Law</b>	As for the whole product, no relevant classification according to this Law.

<b>PRTR</b>	Specified Class 1-chemicals under this law: not listed. Class 1-chemicals under this law: not listed. Class 2-chemicals under this law: not listed.
<b>Law of Water Pollution Prevention</b>	No relevant information.
<b>Sewer Law</b>	No relevant information.
<b>Law of Air Pollution Prevention</b>	No relevant information.
<b>Law of Ocean Pollution Prevention</b>	Avoid release to environment.
<b>Laws of Waste Disposal and Cleaning</b>	Dispose it according to laws of industrial waste disposal (Avoid spreading and leaking).
<b>International Laws and Regulations</b>	
<b>67/548/EEC Annex I</b>	No relevant classification.
<b>TSCA (Toxic Substance Control Act)</b>	As no specific CAS numbers, there is no relevant information can be found in the U.S. Toxic Substances Control Act Chemical Substance Inventory List.
<b>Air Purification Law</b>	This product does not contain any ozone-depleting substances of class I . This product does not contain any ozone-depleting substances of Class II .
<b>Clean Water Act</b>	None of the ingredients of this product are listed as Hazardous Substances under the CWA. None of the ingredients of this product are listed as Priority Pollutants under the CWA. None of the ingredients of this product are listed as Toxic Substances under the CWA.
<b>Carcinogenicity categories</b>	Not listed by ACGIH, IARC and NTP.

**16. Other information**

<b>References:</b>	1. GHS Technical Documents (Version 4 <sup>th</sup> and Version 5 <sup>th</sup> ) 2. JIS Z 7253-2014 3. JIS Z 7250-2010 4. Industry Safety and Health Law 5. Poisonous and Deleterious Substances Control Law 6. Law Concerning the Examination and Regulation of Manufacture, etc. of Chemical Substances 7. Fire-Fighting Law 8. PRTR
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