

Safety Data Sheet (SDS)

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

Product name: LS BELL HAMMER
Manufacturer/Supplier: SUZUKI KIKOH CO., LTD.
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Department: --
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Recommended use of the chemical and restrictions on use: Lubricant and rust inhibitor for machinery parts. 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

Physical hazards	Explosives	Not applicable
	Flammable gases	Not applicable
	Flammable aerosols	Category 1
	Flammable, oxidizing gases	Not applicable
	Gases under pressure	Liquefied gases
	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
Health hazards	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)	Not classified
	Skin corrosion/irritation	Not classified
	Serious eye damage/eye irritation	Not classified
	Respiratory sensitizer	Not classified
	Skin sensitizer	Not classified
	Germ cell mutagenicity	Not classified
	Carcinogenicity	Not classified
	Reproductive toxicity	Not classified
Specific target organ toxicity following	Not classified	

	single exposure	
	Specific target organ toxicity following repeated exposure	Not classified
	Aspiration hazard	Not classified
Environmental hazards	Acute hazards to the aquatic environment	Not classified
	Chronic hazards to the aquatic environment	Not classified
	Hazard to the ozone layer	Not classified

GHS Label elements:	
Signal word	Danger
Symbol	
Hazard statement	H222: Extremely flammable aerosol. H280: Contains gas under pressure; may explode if heated.
Precautionary Statements	P210: Keep away from heat/sparks/open flames/hot surfaces -No smoking. P211: Do not spray on an open flame or other ignition source. P251: Pressurized container-Do not pierce or burn, even after use.
Response Precautionary Statements	No relevant classification.
Storage precautionary statements	P410+P403: Protect from sunlight. Store in a well-ventilated place. P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C.
Disposal precautionary statements	P501: Dispose of contents/container according to relevant local and national regulations.

3. Composition/information on ingredients

Product description:	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.)
LPG	45-50	unspecified	Not applicable	68476-85-7	Not applicable	Not applicable
Base oil	40-50	unspecified	Not applicable	trade secret	Not applicable	Article 18-2, Attached Table, 168 of Cabinet order
Additives for lubricant	5-15	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.

After inhalation	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.
After skin contact	Wash with soap and water. Wash contaminated clothes before reuse. Get medical attention if irritation occurs.
After eyes contact	Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing. If irritation persists, seek medical care.
After ingestion	Rinse mouth. Do not induce vomiting without professional guide. Immediately call a POISON CENTER or doctor/physician.
Acute effect and delayed effect	Acute effect: Not found. Delayed effect: Not found.
Personal protective equipment	Wear protective gloves/clothing/safety glasses/respirators when necessary.
Indication of immediate medical attention and treatment needed, if necessary	Treat according to symptoms.

5. Fire-fighting measures

Extinguishing Media	Use CO ₂ , chemical powder and foam for extinction. Do not use water spray.
Specific Hazards Arising from the Chemical	This product is extremely flammable. It may catch fire if contacting with fire or being exposed to high temperature. The mixture of air and vapour of this product is explosive.
Fire Fighting Method (General method)	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.
Fire Fighting Equipment	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

Personal precautions, protective equipment and emergency procedures	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.
Environmental precautions	Keep cleaning run-offs out of municipal sewers and open bodies of water. Comply with local and national laws and regulations.
Methods and material for containment and cleaning up	Isolate contaminated area and set up a warning board. The persons handling emergency are recommended wearing protective clothing. Do NOT touch spilled material. Keep away from heat and sources of ignition. Build up dike or dig pit for collection. Spray fog water to cool down and dilute vapor. Dilute the spilled liquid till it is not combustible. Protect the working staff. Collect the spilled material with explosion-proof pump into an appropriate container and transport the waste to the disposal place.
Precautionary measures for secondary hazard	Prevent leakage from flowing into enclosed space (e.g. drain, sewer, basement, etc.).

7. Handling and storage

Handling	
Technical measures	Use proper personal protective equipment as indicated in Section 8.
Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces -No smoking. Do not spray on an open flame or other ignition source. Pressurized container-Do not pierce or burn, even after use. 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. Handle with care to avoid damage of packaging.
Storage	
Conditions for safe storage	Store in a cool, well-ventilated and dry place. Avoid long-time exposure to direct sunlight. Keep out the reach of children.
Incompatible substances or mixtures	Strong oxidants and acids and alkalis.
Appropriate technical measures	Paste a label on each container indicating possible hazards and precautions. Do not stack too high to avoid falling down.
Packing materials	Use proper containers especially designed for flammable aerosols.

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

Ingredients	OSHA PEL-TWA	ACGIH TLV-TWA	Japan Industry & Health Association-PELs
No ingredients have limit values	No data available	No data available	No data available

Engineering Controls	Install eye washer and safety shower near handling and storage area. Provide local exhaust system or explosion-proof devices.
Personal Protective Equipment	
Respiratory Protection	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).
Protection of hands	Wear impermeable rubber gloves
Protection of eyes	Wear safety glasses when liquid may splash.
Protection of body	Wear appropriate protective equipment (e.g. impermeable gloves, protective boots, etc.)
General protective and hygienic measures	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

General Information

Form	Liquid
Colour	Brown
Odour	Characteristic
pH	No data available
Melting point/Melting range	No data available
Boiling point/Boiling range	No data available
Flash point	-104.4°C~-73.8°C (LPG)
Self-igniting Temperature	No data available
Flammability (solid, gas, etc.)	Not applicable
Flammable/Explosive Limits	Lower: 1.6 (LPG), upper: 10.0 (LPG)
Vapour pressure	No data available
Vapour density	No data available
Evaporation Rate (Butyl acetate=1)	No data available
Specific gravity	Approximately 0.9
Solubility	Insoluble in water
n-octanol/Water Partition Coefficient	No data available
Volatile organic compound (VOC)	No data available
Decomposition temperature	No data available
Viscosity	No data available

10. Stability and reactivity

Stability	Stable under normal temperatures and pressures.
Possibility of hazardous Reactions	It may cause explosion when contacting with strong oxidants.
Conditions to avoid	Avoid long-time exposure to direct sunlight and heating. Keep out the reach of children.
Materials to avoid	Strong oxidants, acids and alkalis.
Hazardous Decomposition Products	Hazardous fume and gas (e.g. carbon oxides) may be released from heating.

11. Toxicological information

Acute toxicity: The toxicity data of this product has not been determined by testing or research, the toxicity data shown below is for reference only.	
LD 50/LC50 (Median lethal dose)	
Acute toxicity (Oral)	No relevant classification of this product.
Acute toxicity (Dermal)	No relevant classification of this product.
Acute toxicity (Inhalation)	No relevant classification of this product.
Skin corrosion/irritation	No relevant classification of this product.
Serious eye damage/eye irritation	No relevant classification of this product.
Respiratory sensitizer	No relevant classification for this product.
Skin sensitizer	No relevant classification for this product.
Germ cell mutagenicity	No relevant classification of this product.
Carcinogenicity	No relevant classification for this product.

Reproductive Toxicity	No relevant classification for this product.
Specific target organ toxicity following single exposure	No relevant classification of this product.
Specific target organ toxicity following repeated exposure	No relevant classification of this product.
Aspiration hazard	No relevant classification of this product.

12. Ecological information

Mobility in Soil	No data available.
Persistence and Degradability	No data available.
Bioaccumulative Potential:	No data available.
Ecotoxicity	No data available.

13. Disposal considerations

Disposal of waste	<p>Minimize the hazard of waste by the methods of neutralization and stabilization.</p> <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>
Disposal of contaminated containers and packaging	<p>Cleaning containers according to relevant criteria and regulations.</p> <p>Remove contents thoroughly before disposal.</p>

14. Transport Information

International laws and regulations	
DOT/Air-Transportation-IATA/ICAO/Sea-Transportation-IMO/IMDG	
UN No.	UN1950
Proper Shipping Name	Aerosols, flammable (containing LPG)
Hazard Class	2.1
Marine Pollutant	No
Pictogram	
Domestic laws and regulations	
Hazard class	2.1
UN No.	1950
Proper Shipping Name	Aerosols, flammable (containing LPG)
Land transportation (Fire-Fighting Law)	It is classified as Category 4 (flammable liquids)-The second petroleum category
Sea transportation (Safety of Ships Law)	This product contains compressed gas, flammable. Comply with relevant provisions of this law.

Air transportation (Aviation Law)	This product contains compressed gas, flammable. Comply with relevant provisions of this law.
Emergency response guideline No.	115
Special precautions for user	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

Fire-Fighting Law	It is classified as Category 4 (flammable liquids)-The second petroleum category
Industry Safety and Health Law	
Notified information of hazardous and dangerous substances under this law	It is classified as a dangerous chemical (extremely flammable aerosols). As for prevention for hazard, please see Article 20 to Article 36 of this law. As for the classification criteria of hazardous and dangerous chemicals, please see Article 55 to Article 58 of this law.
Poisonous and Deleterious Substances Control Law	As for the whole product, no relevant classification according to this Law.
PRTR	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.
Law of Water Pollution Prevention	No relevant information.
Sewer Law	No relevant information.
Law of Air Pollution Prevention	No relevant information.
Law of Ocean Pollution Prevention	Avoid release to environment.
Laws of Waste Disposal and Cleaning	Dispose it according to laws of industrial waste disposal (Avoid spreading and leaking).
International Laws and Regulations	
67/548/EEC Annex I	No relevant classification.
TSCA (Toxic Substance Control Act)	CAS: 68476-85-7 is listed in the U.S. Toxic Substances Control Act Chemical Substance Inventory List.
Air Purification Law	This product does not contain any ozone-depleting substances of class I . This product does not contain any ozone-depleting substances of Class II .
Clean Water Act	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.
Carcinogenicity categories	Not listed by ACGIH, IARC and NTP.

16. Other information

References:	<ol style="list-style-type: none"> 1. GHS Technical Documents (Version 4th and Version 5th) 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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