Created: December 10,2024
Rivised: June 23,2025
Version 3.0

Safety Data Sheet

1. Product and Company information

Product Name:	LS Bell Hammer Grease Spray 420ml
Recommended uses :	For industrial use
Restrictions on use:	For uses other than the recommended purpose, seek professional advice.
Company Name:	SUZUKI KIKOH Co., Ltd.
Address:	316-3, Matsuhidai, Matsudo, Chiba,270-2214
Department:	Quality Assurance Department
Phone:	047-385-5311
Fax:	047-385-5313

2. Summary of potential hazards

GHS Category

Physical and Chemical Hazards:	Aerosol – Category 1
Skin Sensitization:	Category 1
Specific Target Organ Toxicity (Single Exposure)	・Category 2 (Cardiovascular System) ・Category 3 (Narcotic Effects)
Specific Target Organ Toxicity (Repeated Exposure):	・Category 1 (Central Nervous System) Category 2 (Nervous System)
Environmental Hazards	・Hazardous to the aquatic environment, long-term (acute) – Category 2 ・Hazardous to the aquatic environment, long-term (chronic) – Category 3
GHS Label Elements:	
Pictogram (JP):	
Signal words:	Danger
Hazard(s) Identification (GHS JP)	・Extremely flammable aerosol (H222) ・Pressurized container: may burst if heated (H229) ・May cause an allergic skin reaction (H317) ・May cause drowsiness or dizziness (H336) ・Causes damage to organs (Cardiovascular system) (H371) ・Causes damage to organs through prolonged or repeated exposure (Central Nervous System) (H372) ・May cause damage to organs through prolonged or repeated exposure (Nervous System) (H373) ・Toxic to aquatic life (H401) ・May cause long-lasting harmful effects to aquatic life (H412)

Precautionary Statements(GHS JP)

【Safety Measures】
- Do not spray on an open flame or other ignition source. (P211)
- Do not pierce or burn, even after use. (P251)
- Do not breathe dust, fume, gas, mist, vapors, or spray. (P260)
- Wash hands, forearms, and face thoroughly after handling. (P264)
- Do not eat, drink, or smoke when using this product. (P270)
- Use only outdoors or in a well-ventilated area. (P271)
- Avoid release to the environment. (P273)
- Use explosion-proof electrical equipment/ventilation equipment/lighting equipment. (P241)
- Use only non-sparking tools. (P242)
- Wear protective gloves/protective clothing/eye protection/face protection. (P280)
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)
- Take precautionary measures against static discharge. (P243)

【First Aid Measures】
- IF INHALED: Remove person to fresh air and keep comfortable for breathing. (P304+P340)
- IF exposed or concerned: Get medical advice/attention. (P308+P311)
- Contact the doctor if you feel unwell. (P312)
- Get medical advice/attention if you feel unwell. (P314)
- IF ON SKIN (OR HAIR): Take off immediately all contaminated clothing. Rinse skin with water. (P303+P361+P353)

【Storage】: Store in a well-ventilated place. (P403)

【Disposal】: Dispose of contents/container in accordance with international, national, regional, or local regulations. (P501)

Others
- Protect from sunlight. Do not expose to temperatures exceeding 40 °C.
- Additional hazards during processing —Under normal conditions of

3. Composition and ingredient information

Product Type: Mixture

Name	Concentration (%)	Official Gazette Reference No.		CAS No.
		CSCL No.	ISHL No.	
Isohexane	25 - 30	-	-	101316-67-0
Butane	20 - 25	(2)-4	Existing Chemical Substance	106-97-8
Propane	15 - 20	(2)-3	Existing Chemical Substance	74-98-6
Isobutane	5 - 10	(2)-4	Existing Chemical Substance	75-28-5
Hexane	1 - 5	(2)-6	Existing Chemical Substance	110-54-3
Chlorinated paraffins (C14-17)	＜0.1	-	-	85535-85-9

Note: These values are not product specifications. Concentrations of components considered trade secrets are indicated as ranges. For components subject to the Industrial Safety and Health Act or the Pollutant Release and Transfer Register (PRTR) Law, please refer to Section 15 “Regulatory Information.”

4. First-aid treatment

General First-aid Measures:	If exposed or concerned, obtain medical advice or attention
If inhaled:	Move to fresh air, rest in a comfortable position. If feeling unwell, seek medical attention.
If in contact with skin	・If skin irritation or rash occurs, get medical advice/attention. ・Wash skin with plenty of water/shower. ・Remove all contaminated clothing immediately.
If in eyes:	Rinse thoroughly with water for several minutes. Remove contact lenses if easily removable. Continue washing.
If swallowed:	Do not induce vomiting. If mouth is contaminated, rinse thoroughly with water. Seek medical attention if feeling unwell.

Most important symptoms and effects, both acute and delayed

Symptoms/Effects:	May cause drowsiness or dizziness
After inhalation:	No specific effects under normal conditions
After skin contact:	May cause an allergic skin reaction.
After eye contact:	No specific effects under normal conditions
After ingestion:	No specific effects under normal conditions

Indication of any immediate medical attention and special treatment needed

Other medical advice or treatment:	Treat symptomatically

5. Firefighting measures

Suitable extinguishing media:	Water spray, dry powder extinguishing agent, foam extinguishing agent, carbon dioxide. In case of fire, use foam, powder, or carbon dioxide
Unsuitable extinguishing media:	Do not use a strong water jet
Fire hazard:	Extremely flammable aerosol
Explosion hazard:	High-pressure container: May rupture when heated.
Hazardous decomposition products in case of fire:	May release toxic smoke
Firefighting methods :	・Carry out firefighting from a safe distance and protected location ・Do not enter the fire site without using appropriate protective equipment, including respiratory protection ・Cool sealed containers exposed to high temperatures with water ・Perform firefighting from upwind ・Quickly remove flammable materials from the surroundings ・For aerosol products, maintain sufficient distance during firefighting due to risk of rupture at high temperature
Protective equipment during firefighting :	・Work wearing appropriate protective equipment, self-contained breathing apparatus ・Full protective clothing ・Self-Contained Breathing Apparatus ・Wear appropriate protective equipment (e.g., heat-resistant clothing)

6. Accidental release measures

Precautions for humans, protective equipment and emergency measures

General measures	・Stop the leak if it can be done safely
	・Report to the authorities if this product enters sewers or public water
	・Absorb the released material to prevent property damage
	・Wear appropriate protective equipment (gloves, protective mask, apron, goggles, etc.) during work
	・Restrict access to the surrounding area and prevent unauthorized persons from approaching to avoid secondary disasters

Non-emergency responders:

Protective Equipment	Wear the recommended personal protective equipment
First-aid Measures	・Ventilate the area of leakage
	・Keep away from open flames and sparks; no smoking
	・Do not breathe dust/fume/gas/mist/vapors/spray
	・Avoid contact with skin and eyes.

Emergency Responders:

Protective Equipment	・Wear appropriate protective equipment
	・For details, refer to Section 8 ″Exposure Controls / Personal Protection″
First-aid Measures	・Evacuate unnecessary personnel
	・Stop the leak if it can be done safely

Environmental Precautions:

Environmental Precautions	・Avoid release to the environment
	・Take care to prevent environmental impact, such as discharge into rivers

Containment and Cleanup Methods and Equipment:

Containment Method	・Collect spillage.
	・Recover spilled material using an absorbent and prevent it from entering drains or waterways
	・If possible, stop the leak without risk
	・Collect the spilled material in a sealable container and move to a safe location
	・Treat residues and waste according to applicable regulations
Cleanup Method:	Recover the product mechanically
	・Report to the authorities if this product enters sewers or public water
Secondary Disaster Prevention Measures:	・Prepare appropriate fire extinguishers in case of ignition
	・Quickly remove nearby ignition sources, hot objects, and combustible materials
Other Information:	Dispose of substances or solid residues at an authorized facility

7.Handling and Storage

Handling

Technical Measures:	No data
Safe Handling Precautions	• Keep away from ignition sources such as heat, sparks, open flames, and hot surfaces - no smoking • Do not spray on open flames or other ignition sources • Do not pierce or burn, even after use • Do not inhale dust, fumes, gas, mist, vapors, or spray • Use only outdoors or in a well-ventilated area • Avoid contact with skin and eyes. • Wear personal protective equipment. • Use tools that do not produce sparks. • Take precautionary measures against electrostatic discharge. • Flammable vapors may accumulate in containers. • Use explosion-proof equipment.
Avoid Contact:	No data
Hygiene Measures:	• Do not take contaminated work clothing out of the workplace. • If contaminated clothing is to be reused, wash it before use. • Do not eat, drink, or smoke when using this product. • Always wash hands after handling the product.
Additional Hazards During Handling:	Under normal conditions of use, no significant additional hazards are expected

Storage

Safe Storage Conditions	• Keep out of direct sunlight • Store in a well-ventilated place • Do not expose to temperatures above 40 ℃ • Store in a cool place
Safe Container/Packaging Materials:	No data
Technical Measures (Storage):	Store in a cool, well-ventilated place away from heat
Container/Packaging Materials:	Always store the product in a container made of the same material as the original container

8. Exposure prevention and protection measures

Hexane (110-54-3)	
Japan - Occupational Exposure Limit (Japan Society for Occupational Health)	
Permissible Concentration	140mg/m³
	40ppm
Special Remarks (JP)	Dermal Absorption
Reference	Occupational Exposure Limits (2023) - Journal of Occupational Health, Vol. 65
Japan - Exposure Limit (Administrative Control Level, MHLW)	
Permissible Concentration	40ppm
Reference	Working Environment Evaluation Standards, 2017 Edition
Japan - Biological Exposure Indices (Japan Society for Occupational Health, JSOH)	
BEI	3 mg/g creatinine Target analyte: 2,5-Hexanedione-Sample type: Urine-Sampling time: End of work shift at the end of the work week-Note: After acid hydrolysis 0.3 mg/g creatinine Target analyte: 2,5-Hexanedione-Sample type: Urine-Sampling time: End of work shift at the end of the work week-Note: Without hydrolysis
Reference	Occupational Exposure Limits (2023) - Journal of Occupational Health, Vol. 65
Isobutane (75-28-5)	
Japan - Occupational Exposure Limit (Japan Society for Occupational Health)	
Permissible Concentration	1200mg/m³
	500ppm
Reference	Based on the JCDB survey
ブタン (106-97-8)	
Japan - Occupational Exposure Limit (Japan Society for Occupational Health)	
Permissible Concentration	1200mg/m³
	500ppm
Reference	Working Environment Evaluation Standards, 2017 Edition

Equipment Measures: Ensure sufficient ventilation in the workplace

Protective Equipment

General Personal Protection: Wear the recommended personal protective equipment

Respiratory Protection: If ventilation is inadequate, wear appropriate respiratory protection; in confined spaces, use a supplied-air respirator; use an organic gas mask

Hand Protection: Wear protective gloves made of material impermeable to organic solvents or chemicals.

Eye Protection: Wear safety glasses, protective goggles, or a face shield.

Skin and Body Protection: Wear suitable protective clothing that prevents direct skin exposure and is made of material resistant to chemicals.

Environmental Exposure Control and Monitoring: Avoid release to the environment

9. Physical and chemical properties

Physical State:	Liquid
Color:	White
Odor:	Characteristic odor
pH:	No data
Melting Point:	No data
Freezing Point:	No data
Boiling Point:	-42℃
Flash Point:	-104℃
Auto-ignition Temperature:	365℃
Decomposition Temperature:	No data
Flammability:	Extremely flammable aerosol
Vapor Pressure:	No data
Relative Density:	No data
Density:	0.59-0.63 g/cm³
Relative Gas Density:	No data
Solubility:	No data
n-Octanol/Water Partition Coefficient (Log Pow):	No data
Explosion Characteristics:	High-pressure container: may burst when heated
Explosion Limits:	1.8-9.5 vol %
Kinematic Viscosity:	No data
Particle Characteristics:	No data

10. Stability and reactivity

Reactivity	• Extremely flammable aerosol • High-pressure container: may burst when heated • Highly flammable liquids and vapors
Chemical Stability:	Stable under normal conditions. Aerosol products may burst if temperature exceeds 40℃
Possibility of Hazardous Reactions:	No hazardous reactions known under normal use. May react with oxidizing substances
Conditions to Avoid:	Avoid contact with high-temperature surfaces. Heat. Eliminate all sources of ignition such as flames or sparks. Avoid heating, sparks, open flames, and other ignition sources
Incompatible Materials:	No data
Hazardous Decomposition Products:	Under normal use and storage conditions, hazardous decomposition products are not generated. Combustion may produce harmful gases such as carbon monoxide, nitrogen oxides, and other low-molecular-weight monomers

11. Hazard information

Acute Toxicity (Oral): No data

Acute Toxicity (Dermal): No data

Acute Toxicity (Inhalation): No data

Hexane	
LD50 oral	15800 mg/kg
Propane	
LC50 Inhalation - Rat [ppm]	38890 ppm
Isobutane	
LC50 Inhalation - Rat [ppm]	224556 ppm
Butane	
LC50 Inhalation - Rat [ppm]	276798.8 ppm
Chlorinated paraffins (C14-17)	
LD50 oral	15000 mg/kg

Skin Corrosion/Irritation: No data

Serious Eye Damage/Eye Irritation: No data

Respiratory Sensitization: No data

Skin Sensitization: May cause an allergic skin reaction.

Germ Cell Mutagenicity: No data

Carcinogenicity: No data

Reproductive Toxicity: No data

Specific Target Organ Toxicity (Single Exposure):
- Organ damage (cardiovascular system)
- May cause drowsiness or dizziness

Specific Target Organ Toxicity (Repeated Exposure):
- Organ damage from prolonged or repeated exposure (central nervous system)
- May cause organ damage from prolonged or repeated exposure (nervous system)

Aspiration Hazard: No data

12. Ecological Information

Ecotoxicity - General: Toxic to aquatic life, harmful to aquatic life with long-lasting effects.

Hazardous to the aquatic environment (acute): Toxic to aquatic life

Hazardous to the aquatic environment (chronic): Harmful to aquatic life with long-lasting effects.

Hexane	
EC50 - Crustacea [1]	3.88 mg/l
Chlorinated paraffins (C14-17)	
EC50 - Crustacea [1]	0.0059 mg/l
NOEC - Crustacea (chronic)	0.0087 mg/l

Persistence and Degradability

Suzuki Kikoh LS Bell Hammer Grease Spray 420ml	
Persistence and Degradability	Not readily biodegradable
Isohexane	
Persistence and Degradability	Not readily biodegradable
Hexane	
Persistence and Degradability	Not readily biodegradable
Propane	
Persistence and Degradability	Not readily biodegradable
Isobutane	
Persistence and Degradability	Not readily biodegradable
Butane	
Persistence and Degradability	Not readily biodegradable
Chlorinated paraffins (C14-17)	
Persistence and Degradability	Not readily biodegradable

Bioaccumulation Potential

Suzuki Kikoh LS Bell Hammer Grease Spray 420ml	
Bioaccumulation Potential	No data available

Soil Mobility

Suzuki Kikoh LS Bell Hammer Grease Spray 420ml	
Soil Mobility	No data available

Ozone Layer Hazard: No data

Other Adverse Effects: Take care during handling, leakage, or disposal to prevent environmental impact. In particular, ensure that the product or wash water does not flow directly onto the ground, into rivers, or into drains

13. Disposal considerations

Recommended Product/Packaging Disposal:	Dispose of in accordance with regulations of the competent authority
Disposal Methods	・Dispose of contents/container in accordance with separate collection by authorized disposal contractors ・Do not incinerate aerosol products ・For aerosol products, fully use the contents, press the button outdoors away from fire until the spray stops, and completely release the gas before disposal ・Never dispose of containers with remaining contents ・Take care regarding fire and inhalation of mist when releasing gas
Local Disposal Regulations:	Dispose of in accordance with regulations of the competent authority
Recommended Sewage Treatment:	Dispose of in accordance with regulations of the competent authority
Additional Information:	・Do not reuse empty containers ・Flammable vapors may accumulate in containers.

14. Transport precautions

International Regulations

United Nations Recommendations (UN RTDG):

UN Number (UN RTDG):1950

Proper Shipping Name (UN RTDG):	Aerosol
Packing Group (UN RTDG):	Not Applicable
Transport Hazard Class (UN RTDG):	2.1
Hazard Label (UN RTDG):	2.1
Class (UN RTDG):	2
Division (UN RTDG):	2.1
Limited Quantity (UN RTDG):	See SP 277
Excepted Quantity (UN RTDG):	E0
Packaging Instructions (UN RTDG):	P207, LP200

MARPOL 73/78 Annex II and IBC Code for Bulk Transported Liquid Substances:

・Not applicable

Domestic Regulations:

Maritime Regulatory Information:	Comply with the provisions of the Ship Safety Act
Aviation Regulatory Information:	Comply with the provisions of the Aviation Act
Emergency Response Guide Number:	126
Other Information:	No additional information

15. Applicable Laws and Regulations

Domestic Laws

Chemical Substances Control Law (CSCL): : Priority Assessment Chemical Substance (Article 2, Paragraph 5)

Industrial Safety and Health Act (ISHA):

【After amendment, from April 1, 2025】
Hazardous and harmful substances for which names etc. must be displayed (Article 57, Paragraph 1 of the Act; Enforcement Order Article 18, Items 2-3; Industrial Safety and Health Regulations, Annex 2, Article 30)

【After amendment, from April 1, 2026】
Hazardous and harmful substances for which names etc. must be displayed (Article 57, Paragraph 1 of the Act; Enforcement Order Article 18, Items 2-3; Industrial Safety and Health Regulations, Annex 2, Article 30)
Hazardous and harmful substances for which names etc. must be displayed (Article 57, Paragraph 1 of the Act; Enforcement Order Article 18, Items 1-2, Annex 9)
Hazardous substances - Flammable substances (Enforcement Order, Annex 1, Item 4)
Hazardous substances - Flammable gases (Enforcement Order, Annex 1, Item 5)
Hazardous and harmful substances for which names etc. must be notified (Article 57-2, Paragraph 1 of the Act; Enforcement Order Article 18-2, Items 1-2, Annex 9)
Isohexane (Government Ordinance No.: 520) (20-30%)
Butane (Government Ordinance No.: 482) (30-40%)
Hexane (Government Ordinance No.: 520) (1-5%)

【After amendment, from April 1, 2025】
Hazardous and harmful substances for which names etc. must be notified (Article 57-2, Paragraph 1 of the Act; Enforcement Order Article 18-2, Items 2-3; Industrial Safety and Health Regulations, Annex 2-2)
Butane (30-40%)
Hexane (1-5%)

【After amendment, from April 1, 2026】
Hazardous and harmful substances for which names etc. must be notified (Article 57-2, Paragraph 1 of the Act; Enforcement Order Article 18-2, Items 2-3; Industrial Safety and Health Regulations, Annex 2-2)
Butane (30-40%)
Propane (10-20%)
Hexane (1-5%)

Substances requiring special health examination - Current workers handling (Article 66, Paragraph 2 of the Act; Enforcement Order Article 22, Paragraph 1)
Chemicals causing skin disorders / Dermally absorbed harmful substances (Industrial Safety and Health Regulations Article 594-2, Paragraph 1; Ministry Notification May 31, 2022, No. 0531-9; July 4, 2023, No. 0704-1/5)
Normal Hexane (1.2%)

Fire Service Act:	Class 4 - Flammable Liquids, Category 1 Petroleum, Non-water-soluble, “Keep away from fire”, Hazard Class II
Air Pollution Control Act:	Substances that may correspond to hazardous air pollutants (Central Environmental Council, 9th Report) Volatile Organic Compounds (Article 2, Paragraph 4 of the Act) (Notification from Ministry of the Environment to prefectures)
Ship Safety Act:	High-pressure gases, flammable high-pressure gases (Hazard Regulation Articles 2, 3; Notification Annex 1)

Aviation Act:	High-pressure gas - Flammable high-pressure gas (Enforcement Regulations, Article 194; Hazardous Substances Notification, Annex 1)
High Pressure Gas Safety Act:	This aerosol product has a container capacity of 1 liter or less, and at 35℃ the pressure is 0.8 MPa or less, and it falls under Article 4, Paragraph 3 of the related notifications under the High Pressure Gas Safety Act Enforcement Ordinance; therefore, it is exempted from the application of the High Pressure Gas Safety Act.
Act on the Promotion of Chemical Substance Release and Transfer Register (PRTR Act) :	Class 1 Designated Chemical Substance (Article 2, Paragraph 2 of the Act; Enforcement Order Article 1, Annex 1) Hexane (Control No.: 392) (1.2%)

16. Other Information

References:

1. Globally Harmonized System of Classification and Labelling of Chemicals, UN
2. Recommendations on the Transport of Dangerous Goods, UN
3. IMDG Code - International Maritime Dangerous Goods
4. IATA Dangerous Goods Regulations
5. 2020 Emergency Response Guidebook (US DOT)
6. TLVs and BEIs (ACGIH)
7. JIS Z 7252 2019
8. JIS Z 7253 2019
9. Recommended Occupational Exposure Limits (Japan Society for Occupational Health)
10. Ministry of Health, Labour and Welfare Notification No. 0111 (Jan 11, 2022)
11. Supplier's Data/Information
12. OSHA Hazard Communication Standard 29 CFR 1910.1200 (HazCom 2012)

This information has been prepared based on the materials and data available at the present time and may be revised as new knowledge becomes available. The precautions are intended for normal handling; in the case of special handling, please ensure that sufficient safety measures are implemented before use.

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