Creation Date 2026/01/22

Safety Data Sheet

Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	Lithium Grease Spray 420ml
Product Code	LGS-420
Name of Supplier	TRUSCO NAKAYAMA Corporation
Address	4-28-1 Shimbashi, Minato-ku, TokyoTRUSCO Fiorito Building
Charge section	PB Quality Assurance Dept
Phone Number	0120-509-849
Fax Number	0120-509-839
Mail Address	techno.center@trusco.co.jp
Emergency Phone Number	03-3433-9841
Recommended Use of the Chemical	Rust Preventive Agent and lubricants
Restriction on Use	If the product is to be used for applications other than those recommended, seek the judgment of an expert/chemical substance specialist, etc.

Section 2 - HAZARDS IDENTIFICATION

GHS Classification of the Chemical

Physical Hazards	Aerosols-Category 1
Health Hazards	Skin corrosion/irritation-Category 2
	Hazards except for cited above are Not classified or Classification not possible.

GHS Label Elements

Pictograms



Signal Word	Danger
Hazard Statements	Extremely flammable aerosol
	Pressurized container: may burst if heated
	Causes skin irritation

Precautionary Statements

Prevention	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	Do not spray on an open flame or other ignition source.
	Pressurized container: Do not pierce or burn, even after use.
	Wash hands thoroughly after handling.
	Wear protective gloves.
Response	IF ON SKIN: Wash with plenty of soap and water.
	If skin irritation occurs: Get medical advice and attention.

	Take off contaminated clothing and wash it before reuse.
Storage	Protect from sunlight and do not expose to temperatures exceeding 40C/104F.
Disposal	Dispose of contents and container in accordance with local, regional, national and international regulations (to be specified).
	Outsource the work to a professional waste disposal company.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Distinction of Substance or Mixture: Mixture

Generic Name	Concentration or Its Ranges	Formula	ENCS No./ISHL No.		CAS RN
			Chemical Substances Control Act	ISHL No.	
Lithium Grease	Trade secret	Unspecified	(2)-1416	Existing	Proprietary
Isohexane	Trade secret	C6H14	(2)-6	Existing	107-83-5
LPG	Trade secret	CxHy	—	—	68476-85-7

Impurities and/or Stabilizing Additives which Contribute to the GHS Classification: No information available

Industrial Safety and Health Act	Dangerous or Harmful Substances for Notification of Chemical Name etc. on SDS (Act, Art.57-2 Para.1, Enforcement Order, Art.18-2 Item 2 to 3, Ordinance on Industrial Safety and Health, Art.34-2 Appended Table No.2)	Butane(Government Ordinance Number：1720)(10%～20%)
		Hexane(Government Ordinance Number：1861)(30%～40%)

Section 4 - FIRST AID MEASURES

Inhalation	Call a doctor if you feel unwell.
Skin Contact	IF ON SKIN: Wash with plenty of soap and water.
	Take off contaminated clothing and wash it before reuse.
	If skin irritation occurs: Get medical advice and attention.
Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion	Rinse mouth.

IF SWALLOWED: Call a doctor if you feel unwell.

Being a volatile liquid, forcing to vomit increases risks such as aspirating into the lungs. Arrange medical treatment immediately. Also, have mouth rinsed thoroughly with water.

Never give anything by mouth to an unconscious person.

Section 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Dry chemical, alcohol–resistant foam, CO2, sand.
Unsuitable Extinguishing Media	Straight streams.
Specific Hazards	Risk of producing harmful gases such as carbon monoxide. Avoid inhalation of smoke or gases.
Specific Fire Fighting	Fight fire from upwind position if possible In surrounding fire, move containers instantly to safe place, if movable. Prohibit unauthorized staff from entering the area around the fire. Keep unnecessary people away.
Protection of Fire Fighter	Use goggles in combination with dust mask, and another protections as appropriate to situation.

Section 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	Use goggles in combination with dust mask, and another protections as appropriate to situation. Large spills :Evacuate area. Ensure adequate ventilation.
Environmental Precautions	Do not discharge into the drains, surface waters or ground water directly.
Methods and Materials for Containment and Cleaning up	If not harmful, evaporate and disperse while being careful of fire and ventilation. You may also spray water to accelerate the evaporation.
Secondary Disaster Prevention Measures	Keep away from sources of ignition and prepare extinguishing media.

Section 7 – HANDLING AND STORAGE

Handling	Technical Measures	Use local exhaust ventilation in case of production of fume or mist. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
	Precautions for Safe Handling	Fire Prohibited Pressurized container: Do not pierce or burn, even after use. Wash hands thoroughly after handling.

		Wear protective gloves. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source.
	Prevents Handling of Incompatible Substances or Mixtures	Refer to "10. Stability and reactivity".
	Specific Hygiene Measures	Wash hands thoroughly after handling.
Storage	Conditions for Safe Storage	Fire Prohibited Protect from sunlight and store in well-ventilated place. Store locked up. The storage facility should be designed with fire-proof construction and beams should use a non-combustible material. The roof of a storage facility should be made of a non-combustible material and use metals or other lightweight non-combustible materials. No ceiling should be installed. The storage floor should be protected from water penetration, or should have water-proof construction. The storage floor should have penetration-proof construction against dangerous goods and be inclined adequately. A proper sump should be provided to catch any spills. The storage facility should be provided with necessary lighting, lighting equipment, and ventilator to store and handle dangerous goods.
	Safe Materials used in Packagings/Containers	No information available

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

	Japan Administration Level	Permission concentration (Exposure Limits, Biological Exposure Indices)	
		Japan Society for Occupational Health	ACGIH
Lithium Grease	Not listed	Not listed	Not listed
Isohexane	Not listed	Not listed	Listed(*)
LPG	Not listed	Not listed	Listed(*)

*)Please refer to the following URL for ACGIH setting values.
Reference: https://www.acgih.org/

	Concentration standards specified by the Minister of Health, Labour and Welfare	
	Concentration standar value for 8-hours exposure	Concentration standard value for short-term exposure/ceillin
Lithium Grease	Not listed	Not listed
Isohexane	Not listed	Not listed
LPG	Not listed	Not listed

Engineering Controls		Use local exhaust ventilation in case of production of fume or mist.
		Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
		Use explosion-proof electrical equipment and prevent from static electricity.
Personal Protective Equipr	Respiratory Protection	Wear suitable respiratory protective according to the results of the risk assessment, etc.
	Hand Protection	Wear suitable protective gloves according to the results of the risk assessment, etc.
		Wear appropriate protective equipment such as impervious or impermeable protective gloves, depending on the situation.
	Eye/Face Protection	Wear suitable eye and face protection according to the results of the risk assessment, etc.
	Skin and Body Protection	Wear suitable protective protective clothing and footwear according to the results of the risk assessment, etc.
		Wear appropriate protective equipment such as impermeable and impermeable protective clothing and footwear, depending on the situation.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State		Aerosols
	Appearance	Liquid
Colour		Yellow
Odour		Solvent odour
Melting Point/Freezing Point		No data available
Boiling Point or Initial Boiling Point and Boiling Ranges		No data available
Combustible		Combustible
Lower and Upper Explosion Limit / Flammability Limit	Lower	No data available
	Upper	No data available
Flash Point		-23℃ (Closed Cup)
Auto-Ignition Temperature		No data available
Decomposition Temperature		No data available

pH	No data available
Kinematic Viscosity	No data available
Solubility	Insoluble in water
Partition coefficient: n-octanol/water (log value)	No data available
Vapour Pressure	No data available
Density and/or Relative Density	0.786g/cm3
Relative Gas Density	No data available
Particle Characteristics	No data available
Other Data	Recommended service temperature range: −25 to 120℃

Section 10 - STABILITY AND REACTIVITY

Reactivity	No information available
Chemical Stability	Stable.
Possibility of Hazardous Reaction	Hazardous polymerization will not occur.
Conditions to Avoid	Avoid excessive heat and sources of ignition.
Incompatible substances	Strong oxidizing agents, strong acid, and strong bases.
Hazardous Decomposition Products	Carbon dioxide, carbon monoxide.

Section 11 - TOXICOLOGICAL INFORMATION

Acute toxicity	Oral	Unable to classify due to insufficient data.
	Dermal	Unable to classify due to insufficient data.
	Inhalation	(Acute toxicity (Inhalation : Gases)) Does not fall under gas based on GHS definitions. (Acute toxicity (Inhalation : Vapours)) Unable to classify due to insufficient data. (Acute toxicity (Inhalation : dust/mist)) Unable to classify due to insufficient data.
Skin corrosion/irritation		Category 2:Isohexane(source: NITE) Classification not possible:LPG(source: NITE) No Data:Lithium Grease The sum of the components in Category 2 ≧ Concentration limit(10%).Classification result = Category 2.
Serious eye damage/eye irritation		Unable to classify due to insufficient data.
Respiratory sensitization		Unable to classify due to insufficient data.
Skin sensitization		Unable to classify due to insufficient data.
Germ cell mutagenicity		Unable to classify due to insufficient data.
Carcinogenicity		Unable to classify due to insufficient data.
Reproductive toxicity		(Reproductive toxicity) Unable to classify due to insufficient data. (Reproductive toxicity, effects on or via lactation) Unable to classify due to insufficient data.
Specific target organ toxicity - Single exposure		Unable to classify due to insufficient data.

Specific target organ toxicity – Repeated exposure	Unable to classify due to insufficient data.
Aspiration hazard	Does not fall under solid, liquid based on GHS definitions.

Section 12 – ECOLOGICAL INFORMATION

Ecotoxicity

Hazardous to aquatic environment short-term (acute)	Classification not possible:Isohexane(source: NITE), LPG(source: NITE) No Data:Lithium Grease Contains substance of unknown toxicity. Changed from Not classified to Classification not possible.
Hazardous to aquatic environment long-term (chronic)	Classification not possible:Isohexane(source: NITE), LPG(source: NITE) No Data:Lithium Grease Contains substance of unknown toxicity. Changed from Not classified to Classification not possible.
Persistence and degradability	No information available
Bioaccumulative potential	No information available
Mobility in soil	No information available
Hazardous to the ozone layer	Unable to classify due to insufficient data.

Section 13 – DISPOSAL CONSIDERATIONS

Residual Waste	Dispose of contents and container in accordance with local, regional, national and international regulations (to be specified). Outsource the work to a professional waste disposal company.
Contaminated Container and Packaging	Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments. In case of disposal of empty containers, remove the content thoroughly.

Section 14 – TRANSPORT INFORMATION

International Regulations	Regulatory Information by Sea	Complied with IMO.
	UN No.	1950
	Proper Shipping Name.	AEROSOLS
	Class	2.1
	Marine Pollutant	Not applicable

	Transport in bulk according to MARPOL 73/78,Annex Ⅱ,and the IBC code	Not applicable
	Regulatory Information by Air	Complied with ICAO/IATA.
	UN No.	1950
	Proper Shipping Name.	AEROSOLS
	Class	2.1
Regulations in Japan	Regulatory Information by Road or Rail	Complies with the Fire Service Act.
	Regulatory Information by Sea	Complies with the Marine Transportation Safety Act
	UN No.	1950
	Proper Shipping Name.	Aerosols
	Class	2.1
	Marine Pollutant	Not Applicable
	Transport in bulk according to MARPOL 73/78,Annex Ⅱ,and the IBC code.	Not Applicable
	Regulatory Information by Air	Complies with the Civil Aeronautics Act
	UN No.	1950
	Proper Shipping Name.	Aerosols
	Class	2.1
Specific Safety Measures		Before transport containers shall be examined for external signs of damage, corrosion, leakage, etc. In transport, loading of containers should be ensured protection from sunlight, to prevent damage, corrosion, leakage, and collapse of the load. Do not stack heavy goods. Carry a yellow card when transferring.
Emergency Response Guide Number		126

Section 15 – REGULATORY INFORMATION

Three laws requirering offer of SDS	
Industrial Safety and Health Act	Applicable
Poisonous and Deleterious Substances Control Act	Not Applicable

Act for PRTR and Promotion of Chemical Management(PRTR System)	Not Applicable
Main applicable domestic laws and regulations	
Industrial Safety and Health Act	Dangerous or Harmful Substances for Labeling of Chemical Name etc. (Act Art.57 Para.1, Enforcement Order, Art.18 Item 2 to 3, Ordinance on Industrial Safety and Health, Art.30 Appended Table No.2)(Hexane, Butane)
	Dangerous or Harmful Substances for Notification of Chemical Name etc. on SDS (Act, Art.57-2 Para.1, Enforcement Order, Art.18-2 Item 2 to 3, Ordinance on Industrial Safety and Health, Art.34-2 Appended Table No.2)(Hexane, Butane)
	Dangerous Substances, Flammable Substances (Enforcement Order, Art., Appended Table 1, Item 4)
	Dangerous Substances, Flammable Gases (Enforcement Order, Art., Appended Table 1, Item 5)
Ordinance on Prevention of Organic Solvent Poisoning	Not applicable.
Fire Service Act	Group 4, Flammable Liquids, Class 1 Petroleums, Water-insoluble liquids (Act, Art.2, Para.7, Appended Table 1, Group 4)
Ship Safety Act	Gases (Regulations for the Carriage and Storage of Dangerous Goods in Ships, Art.3, Notification for Establishing Standards for the Carriage of Dangerous Goods in Ships.,Appended Table 1)
Civil Aeronautics Act	Gases (Ordinance for Enforcement, Art.194, Notification for Establishing Standards for the Carriage of Explosives etc., Appended Table 1)
Chemical Substances Requiring Labeling and Delivery of Documents, etc. (Effective April 1, 2026)	Dangerous or Harmful Substances for Notification of Chemical Name etc. on SDS (Act, Art.57-2 Para.1, Enforcement Order, Art.18-2 Item 2 to 3, Ordinance on Industrial Safety and Health, Art.34-2 Appended Table No.2)(Hexane, Butane, Propane)
	Dangerous or Harmful Substances for Notification of Chemical Name etc. on SDS (Act, Art.57-2 Para.1, Enforcement Order, Art.18-2 Item 2 to 3, Ordinance on Industrial Safety and Health, Art.34-2 Appended Table No.2)(Hexane, Butane, Propane)

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Section 16 - OTHER INFORMATION

Technical Contact	TRUSCO NAKAYAMA Corporation
Literature	NITE GHS Classification published data EU CLP Regulation, AnnexVI
Disclaimer	The statements herein are made by the generally available data and our own data, however we are not able to investigate all of the present scientific and technology information, therefore we do not guarantee any matters. And the attention matters are in regard of generally handlings, so the user shall take care with the special attention to the special handlings.