Creation Date 2024/08/02

Safety Data Sheet

Section 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	Silicone Spray
Name of Supplier	TRUSCO NAKAYAMA Corporation
Address	4-28-1 Shimbashi, Minato-ku, TokyoTRUSCO Fiorito Building
Charge section	Quality Assurance Dept
Phone Number	0120-509-849
Fax Number	0120-509-839
Mail Address	techno.center@trusco.co.jp
Recommended Use of the Chemical	Mold release and gliding agent□
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 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 May cause drowsiness and dizziness May cause damage to central nervous system through prolonged or repeated exposure
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. Do not breathe dust/fume/gas/mist/vapours/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.
Response	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a doctor if you feel unwell.

Get medical advice and attention if you feel unwell.

Storage	Protect from sunlight. Do not expose to temperatures exceeding 40 ℃. Store in a well-ventilated place keeping container tightly closed. Store locked up.
Disposal	Dispose of contents and container in accordance with local, regional, national and international regulations. 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.	
Silicon grease	9.5%	Unspecified	—	—	—
Butane	90.5%	C4H10	(2)-4	Existing	106-97-8

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, Enforcement Order, Art.18-2 Item 1 and 2, Appended Table 9)	Butane（Government Ordinance Number：482）(90%～100%)

Section 4 - FIRST AID MEASURES

Inhalation	Call a doctor if you feel unwell. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
Skin Contact	IF ON SKIN: Wash with plenty of soap and water. 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.

Never give anything by mouth to an unconscious person.

Section 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media	CO_2, sand, extinguishing powder, or water spray.
	Large fires: Water spray, fog or alcohol-resistant foam.
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.
		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.

		Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Do not breathe dust/fume/gas/mist/vapours/spray.
	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. Protect from sunlight. Store locked up. Store in a well-ventilated place keeping container tightly closed. 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
Silicon grease	Not listed	Not listed	Not listed
Butane	Not listed	500ppm(1200mg/m3)	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	
	8-hour concentration standard value	Short-time concentration standard/ceiling value
Silicon grease	Not listed	Not listed
Butane	Not listed	Not listed

Engineering Controls		Use explosion-proof electrical equipment and prevent from static electricity. 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.
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.
	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.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State		Aerosols
	Appearance	Aerosols
Colour		Clear
Odour		Odourless
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	1.6 MPA
	Upper	2.0MPA
Flash Point		220℃ (Open Cup)
Auto-Ignition Temperature		Product is not self-igniting.
Decomposition Temperature		No data available
pH		No data available
Kinematic Viscosity		No data available
Solubility		No data available
Partition coefficient: n-octanol/water (log value)		No data available
Vapour Pressure		No data available

Density and/or Relative Density	0.97 g/cm3
Relative Gas Density	No data available
Particle Characteristics	No data available
その他のデータ	Heating may cause an explosion.

Section 10 - STABILITY AND REACTIVITY

Reactivity	No information available
Chemical Stability	Stable at normal temperatures.
Possibility of Hazardous Reaction	No information available
Conditions to Avoid	Do not allow the can to exceed 48.9℃.
Incompatible substances	No information available
Hazardous Decomposition Products	No information available

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		Not classified:Butane(source: NITE) Classification not possible:Silicon grease Contains substance of unknown toxicity. Changed from Not classified to Classification not possible.
Serious eye damage/eye irritation		Not classified:Butane(source: NITE) Classification not possible:Silicon grease Contains substance of unknown toxicity. Changed from Not classified to Classification not possible.
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)	Unable to classify due to insufficient data.
Hazardous to aquatic environment long-term (chronic)	Unable to classify due to insufficient data.
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 Informatio	Not Applicable
	Regulatory Informatio	Complies with the Marine Transportation Safety Act
	UN No.	1950
	Proper Shipping Nam	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 Informatio	Complies with the Civil Aeronautics Act
UN No.	1950
Proper Shipping Nam	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.
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 A	Not Applicable
Act for PRTR and Promotion of Chemical Management	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 1 and 2, Appended Table No.9)(Butane) Dangerous or Harmful Substances for Notification of Chemical Name etc. on SDS (Act, Art.57-2, Enforcement Order, Art.18-2 Item 1 and 2, Appended Table 9)(Butane) Dangerous Substances, Flammable Gases (Enforcement Order, Art., Appended Table 1, Item 5)(Butane)
Fire Service Act	Group 4, Flammable Liquids, Class 4 Petroleums (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)

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.