

Safety Data Sheet



SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Product Name/Identifier : Silicone Spray (Aerosol)
Product Code : LU1809(1)-A
Product Use : Lubricant and protective spray for rubber, plastics, or metals
Company Information : Vance Chemicals Pte Ltd
No.24 Gul Lane
Singapore 629418
+65 6863 0863
msds@mr-mckenic.com
Emergency Contact : +65 9299 8024

SECTION 2 HAZARDS IDENTIFICATION

GHS CLASSIFICATION

Health		Environmental	Physical
Eye irritation	Category 2	Not Classified	Non-flammable Category 3 Aerosol
Skin irritation	Category 2		
Carcinogenicity	Category 2		

GHS LABEL:



SIGNAL WORD: WARNING

Hazard Statements:

H315 Causes skin irritation
H320 Causes eye irritation
H351 Suspected of causing cancer

Prevention Precautionary Statements:

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P264 Wash thoroughly after handling
P280 Wear protective gloves/protective clothing

Response Precautionary Statements:

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P308+P313 IF EXPOSED OR CONCERNED: Get medical advice/attention
P337+P313 If eye irritation persists: Get medical advice/attention.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P321 Specific treatment (see supplemental first aid instructions on this label).

Safety Data Sheet

**Storage:**

P405 Store locked up

Disposal:

P501 Dispose of contents/container to an approved waste disposal plant.

SECTION 3 COMPOSITIONS / INFORMATION ON INGREDIENTS

Chemical Identity	CAS #	EINECS #	Weight %
1,1,2-Trichloroethylene	79-01-6	201-167-4	>35
Distillates (petroleum), hydrotreated light	64742-47-8	265-149-8	>60
Non-hazardous Materials	-	-	>5
Propellant	-	-	>7

SECTION 4 FIRST AID MEASURES

Eye Contact

Immediately flush eyes with large amounts of water for at least 15 minutes while holding the eyelids open. If redness, swelling, pain and blister occur, transport to the nearest medical facility for additional treatment.

Skin Contact

Wash exposed area thoroughly with soap and water. If redness, swelling, pain and blister occur, transport to the nearest medical facility for additional treatment.

Inhalation

Remove the victim into fresh air. Seek for medical treatment in the event of symptoms.

Ingestion

Seek medical advice immediately. Rinse mouth with water and do not induce vomiting.

SECTION 5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing agents appropriate for surrounding fire.

Unsuitable Extinguishing Media

Not determined.

Specific Hazards Arising from the Chemical

Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: sulfur dioxide, silicon dioxide, formaldehyde, carbon dioxide and traces of incompletely burned carbon compounds.

Protection for Fire-fighters

Evacuate personnel to safe areas. Intervention only by capable personnel who are trained and aware of the hazards of the product. In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Clean contaminated surface thoroughly.

Safety Data Sheet



SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions and Protective Equipment

Refer to protective measures listed in sections 7 and 8. Prevent further leakage or spillage if safe to do so. Keep away from incompatible products. Isolate the area.

Environmental Precautions

Prevent discharges into the environment (sewers, rivers, soils). Immediately notify the appropriate authorities in case of discharge.

Method for Cleaning Up & Containment

Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Call for assistance for disposal.

Emergency Procedures

Shut off leaks, if possible without personal risks. Prevent from spreading or entering drains, ditches or rivers by using sand, earth or other appropriate barriers. Take precautionary measures against static discharge. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Monitor area with combustible gas indicator.

SECTION 7 HANDLING AND STORAGE

Precautions for Safe Handling

Do not eat, drink or smoke in work area. Avoid contact with eye, skin and clothing. After handling, always wash hands thoroughly with soap and water. Use only with adequate ventilation. Avoid breathing vapors or spray mists. Avoid large quantities of material into live electrical motors and other such equipments.

Conditions for Safe Storage

Keep container dry. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place.

Storage Temperature : Ambient
Storage/Transport Pressure : Atmospheric

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Component	ACGIH TLV	ACGIH STEL	OSHA PEL	OSHA STEL
1,1,2-Trichloroethylene	50ppm	100ppm	100ppm	Not Established
Distillates (petroleum), hydrotreated light	Not Established	Not Established	165ppm (Exxon standard)	Not Established

Engineering Controls

Ensure adequate ventilation. Provide appropriate exhaust ventilation at machinery. Refer to protective measures listed in sections 7 and 8. Apply technical measures to comply with the occupational exposure limits.

Personal Protective Equipment (PPE)

Eye Protection

Eye protection is not required under normal conditions of use. If material is handled such that it could be splashed into eyes, wear plastic face shield or splash-proof safety goggles.

Safety Data Sheet



Skin Protection

No skin protection is required for single, short duration exposures. For prolonged or repeated exposures, use impervious clothing (boots, gloves, aprons, etc) over parts of the body subjected to exposure. Launder soiled clothes. Proper dispose of contaminated leather articles including shoes, which cannot be decontaminated. Use rubber gloves if necessary.

Respiratory Protection

In the case of hazardous fumes, wear self contained breathing apparatus. Self-contained breathing apparatus in medium confinement/insufficient oxygen/in case of large uncontrolled emissions/in all circumstances when the mask and cartridge do not give adequate protection.

Thermal Hazards

NA

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Clear Liquid
Odour	: Characteristic
Odour Threshold	: NA
PH	: NA
Melting Point/ Freezing Point (°C)	: Not determined
Initial Boiling Point and Range (°C)	: Not determined
Flash Point (°C)	: No flash point detected
[ISO 3679, Closed Cup Testing]	
Evaporation Rate	: Not determined
Flammability (Solid, Gas)	: Not applicable
Upper/Lower Flammability (Explosive) Limits	: Not determined
Vapour Pressure	: Not determined
Vapour Density	: Not determined
Relative Density	: 1.03 ± 0.03
Solubility in Water	: Insoluble
Partition Coefficient (N-Octanol/Water)	: Not determined
Auto-ignition Temperature (°C)	: Not determined
Decomposition Temperature	: Not determined
Viscosity (mPa s)	: Not determined

SECTION 10 STABILITY AND REACTIVITY

Reactivity/Incompatible Materials

Oxidizing material.

Chemical Stability

Stable at normal conditions of use.

Possibility of Hazardous Reactions

Not determined

Hazardous Decomposition Products

Not determined

Conditions to Avoid

Not determined

Materials to Avoid

Safety Data Sheet



Oxidizing material.

Safety Data Sheet



SECTION 11 TOXICOLOGICAL INFORMATION

Acute toxicity (ATE):

Acute oral toxicity (LD50): >15000mg/kg [Rat].
Acute dermal toxicity (LD50): >3600mg/kg [Rat].
Acute inhalation (LC50): >5500mg/l [Rat].

Carcinogenicity: TCE is listed under IARC.

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

No data available

Persistence/Degradability

Not expected to bio-accumulate significantly

Bio accumulative Potential

Not expected to bio-accumulate significantly

SECTION 13 DISPOSAL CONSIDERATIONS

Local Legislation

Dispose in compliance with local/federal and national regulations. It is recommended to contact the producer for recycling/recovery. Or send the product to an authorized hazardous waste incinerator.

Container Disposal

To avoid treatments, as far as possible, use dedicated containers. If not, rinse the empty containers with a low volatility hydrocarbon and treat the effluent in the same way as waste. Containers that cannot be cleaned must be treated as waste.

SECTION 14 TRANSPORT INFORMATION

Land (ADR)

UN number	1950
UN Class	2.2
Subsidiary risk	NA
Packing Group	NA
Proper shipping name	Aerosols, Non-flammable
HIN	NA

Sea (IMDG)

UN number	1950
UN Class	2.2
Subsidiary risk	NA
Packing Group	NA
Proper shipping name	Aerosols, Non-flammable
Marine pollutant	NA

Safety Data Sheet



Sea (Annex II of MARPOL 73/78 and the IBC Code)

Pollution category	NA
Ship type	NA
Product name	NA

Air (IATA)

UN number	1950
UN Class	2.2
Subsidiary risk	NA
Packing Group	NA
Proper shipping name	Aerosols, Non-flammable

Special precautions:

Before transportation, make sure the containers are tightly sealed and that there are no liquid or gas leaks. When transporting containers, be sure that they are tightly fastened. An appropriate buffer material should be placed between them to prevent them from bumping each other and being damaged during transport.

SECTION 15 REGULATORY INFORMATION

Applicable national regulations:

Standards on Hazard communication for hazardous chemicals and dangerous goods

- SS 586: Part 1: 2014-Transport and storage of dangerous goods
- SS 586: Part 2: 2014-GHS of classification and labelling of chemicals
- SS 586: Part 3: 2008-Preparation of safety data sheet

MOM: Workplace Safety and Health Act & Workplace Safety and Health (General Provisions) Regulations

- This product is subject to SDS, labelling, PEL and other requirements in the Acts/Regulations.

NEA: Environmental Protection and Management Act & Environmental Protection and Management (Hazardous Substances) Regulations

- This product is not subject to control under this Acts/Regulations.

SCDF: Fire Safety Act & Fire Safety (Petroleum and Flammable Materials) Regulations

- This product is not subject to the requirement of this Acts/Regulations.

SPF: The Arms and Explosive Act, the Arms and Explosives (Explosives) Rules, and the Arms and Explosives (Explosive Precursors) Rules

- This product is not subject to the requirement of this Acts/Regulations

Safety Data Sheet



SECTION 16 OTHER INFORMATION

Department issuing date sheet : Vance Chemicals Quality Control and Laboratory
Original Issue date : 28 November 2014
Revision no. : 01
Revision date : 07 December 2017

This product is intended for use by skilled individuals at their own risk. The information, data and recommendations set forth herein are presented in good faith and are believed to be correct as of the date hereof. The company / manufacturer makes no representations as to the completeness or accuracy of the Information and disclaims responsibility for any reliance thereon. The information is provided upon the condition that the persons receiving will make their own determination as to its suitability for their purposes prior to use. Any use of the Information must be determined by the user to be in accordance with applicable Federal, state and local laws and regulations. In no event will the company / manufacturer be responsible for damages of any nature whatsoever resulting from the use or reliance upon the Information.

NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE WITH RESPECT TO THE INFORMATION OR THE PRODUCT TO WHICH THE INFORMATION REFERS.