



Food grade Silicone Spray

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MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFICATION

Product Name Food Grade Silicone Spray 300G
Trade Names Lubricant, Release Agent
Other Names
Manufacturers Code 8360

Use and method of Application:

SILICONE SPRAY FOR USE IN ANY INDUSTRY WHERE WATER DISPERSING PENETRATING INSULATIVE AND SLIP AGENTS ARE REQUIRED IN AEROSOL FORM.

HAZARDS IDENTIFICATION

Statement of Hazardous Nature

Classified as HAZARDOUS SUBSTANCE, DANGEROUS GOODS according to the criteria of NOHSC.

APPLICABLE RISK PHRASES

R11 Highly flammable
R20 Harmful by inhalation

APPLICABLE SAFETY PHRASES

S16 Keep away from sources of ignition- no smoking
S23 Do not breathe vapour
S29 Do Not Empty into Drains
S33 Take Precautionary Measures against Static Discharges

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COMPOSITION / INFORMATION ON INGREDIENTS

Poisons Schedule : 5

Ingredients:

CHEMICAL ENTITY	CAS.NO	PROPORTION
Dimethyl Polysiloxanes	63148-62-9	> 60%
Hydrocarbon propellant	68476-85-7	10-30%

FIRST AID

- Inhaled:** Remove from contaminated area into fresh air, keep warm and rest. If respiration is difficult or breathing stopped apply resuscitation and consult physician.
- Eye:** Immediately Irrigate with copious quantities of water for at least 15 minutes. Check for physical damage and seek medical advice.
- Skin:** Immediately wash contaminated skin with soap and water. Remove contaminated clothing and Launder before reuse.
- Swallowed:** Do not induce vomiting. If there is any suspicion of aspiration into the lungs seek medical advice immediately as pneumonitis may occur.

Advice to Doctor:

Because of risk of aspiration, gastrich lavage should only be undertaken after endotracheal intubation.

FIRE FIGHTING MEASURES

Extinguishing media:

Foam, dry agents, CO₂ or water delivered as fine mist spray or fog.

Hazards from Combustion Products:

If heated to decomposition may release CO_x, Silica dusts and complex hydrocarbons.

Specific Hazard:

Highly flammable liquids and vapour.

Special fire fighting recommendations:

Keep uninvolved containers cool with water spray.

Contain run-off for later collection and controlled disposal.

Protective clothing and self contained breathing apparatus should be used by firemen.

HAZCHEM Code: 2[Y]E

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ACCIDENTAL RELEASE MEASURES**Spills and Disposal:**

Eliminate all ignition sources Soak up with suitable chemical absorbent material and dispose of as per local authority regulations. In case of large spill prevent from entering storm sewers or drains and contact with soil.

HANDLING AND STORAGE**Handling**

Avoid contact with skin. Avoid inhalation of vapours or mists. Use in well ventilated area away from all ignition sources.

Conditions for safe storage

Store in cool well ventilated dry area.

Store in tightly sealed original container away from sources of ignition. Do not repack in any other containers.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Most likely exposure will be accidental contact with skin while using aerosol dispenser.

Exposure Standards:

SUBSTANCE NAME: Hydrocarbon Propellant, as liquefied petroleum gas

Exposure Standard:

TWA: 1000 ppm 1800 mg/m³

STEL: 1250ppm 2180 mg/m³

SUBSTANCE NAME: Dimethyl Polysiloxanes

Exposure Standard:

In the absence of occupational exposure standards for this product, it is recommended that the following be adopted:

Mineral Spirits:

TWA: -ppm 350mg/m³

Biological Limit Values:

There is no biological limit values allocated.

Engineering Controls:

Provide adequate ventilation.

Ensure ventilation is adequate to maintain air concentrations below exposure standards.

Eliminate all sources of ignition.

Personal Protection:

Avoid eye and skin contact.

Wear safety glasses.

Wear protective clothing to avoid skin contact for example latex gloves.

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear liquid with hydrocarbon odour.
Odour:	Hydrocarbon odour.
pH:	Not Determined
Vapour Pressure:	Not determined
Vapour Density:	Not Determined
Boiling Point (°C):	Not Determined
Freezing Point (°C):	Not Determined
Solubility:	Not Determined
Specific Gravity:	0.94 to 1.00 Kg/L
Flash Point (°C):	-80 (Propellent Gas)
UEL / LEL in air:	Not Determined
Ignition Temperature:	Not Determined
% Volatile:	10-30 %
Other Properties:	Can pressure 2-6 bar at 20°C

Flammability:

Highly flammable gases, liquid and vapour.

STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions of use.**Conditions to avoid:** Flames, sources of ignition and incompatibilities.**Incompatible materials:** reacts with oxidising agents, acids and alkalis.**Hazardous decomposition Products:** If heated to decomposition may release CO_x, silica dusts and complex hydrocarbons.**Hazardous reactions:** Not determined

TOXICOLOGICAL INFORMATION

Likely routes of exposure that may result in adverse health effects are inhalation of overspray and accidental contact with skin and eyes:**ACUTE EFFECTS:****Inhalation of overspray:** Irritation of nose and throat and possible drowsiness.**Eye:** Mild irritant. Physical damage could occur from the effect of aerosol pressure.**Skin:** Moderate irritant and drying effect.**Inhaled:** Harmful by inhalation. Irritation of nose and throat and may cause drowsiness.**Swallowed:** Harmful if swallowed**Chronic Effects:** Prolonged or repeated skin exposure may lead to dermatitis through the defatting action of the solvent.**No other adverse health effects are expected if the product is handled in accordance with the safety data sheet and the product label.**

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ACUTE TOXICITY / CHRONIC TOXICITY

No LD50 data available for this product.

ECOLOGICAL INFORMATION**Ecotoxicity:** This material is toxic to fish and wildlife. Do NOT discharge into waterways.

Effects on the aquatic environment: EC50 (Daphnia magna) / 24h: <100 mg/l

Persistence / Degradability: Very slightly biodegradable. Very slightly bioaccumulable**Mobility:** Not determined

Note: This substance contains highly volatile material that will rapidly evaporate to the air.

DISPOSAL CONSIDERATIONS

Dispose of empty containers into a refuse bin for collection by local authority.

TRANSPORT INFORMATION

U.N. Number	: 1950
UN Proper Shipping Name	: Aerosols
Dangerous Goods Class	: 2.1
Subsidiary Risk	:
Packaging Group	:
Special Precautions for user	: transport as per regulations pertaining to UN 1950
Hazchem Code	: 2[Y]E

REGULATORY INFORMATION

All components of this product are listed on the Australian Inventory of Chemical Substances (AICS)

OTHER INFORMATION**References:**

Raw Material supplier's Material Safety Data sheets.

1. National Occupational Health and Safety Commission, 'National Code of Practice for the Preparation of Material Safety Data Sheets' 2nd Edition [NOHSC:2011(2003)994
2. Safe Work Australia, "Hazardous Substance Information System, Consolidated Lists, CAS Number Index. Issued 23 November, 2010.

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