

# Material Safety Data Sheet

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Infosafe No™ 1JBAY Issue Date : June 2008

ISSUED by MOTORONE

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Product Name : **M1 SILICONE SPRAY, 300g, AEROSOL**

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name** M1 SILICONE SPRAY, 300g, AEROSOL  
**Company Name** MotorOne Group Pty Ltd  
**Address** 275 Canterbury Road Canterbury  
VIC 3126 Australia  
**Telephone/Fax Number** Tel: (03) 8809 2700  
Fax: (03) 9888 6944  
**Recommended Use** Silicone lubricant

## 2. HAZARDS IDENTIFICATION

**Hazard Classification** DANGEROUS GOODS.  
NON-HAZARDOUS SUBSTANCE.  
Dangerous goods classification according to the Australian Dangerous Goods Code.  
Hazard classification according to the criteria of NOHSC.

**Risk Phrase(s)** R12 Extremely Flammable.

**Safety Phrase(s)** S16 Keep away from sources of ignition - No smoking.  
S2 Keep out of reach of children.  
S23 Do not breathe gas/fumes/vapour/spray  
S24/25 Avoid contact with skin and eyes.  
S9 Keep container in a well ventilated place.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>
	Hydrocarbon	74-98-6	>60-90 %
	Propellant (LPG) - Propane		
	Hydrocarbon	106-97-8	>60-90 %
	Propellant (LPG) - Butane		
	Petroleum Solvent		10-<30 %
	Other ingredients determined not to be hazardous.	-	Balance

## 4. FIRST AID MEASURES

**Inhalation** Remove the source of contamination or move the affected person to fresh air. Apply artificial respiration if not breathing. Seek medical attention.

**Ingestion** Do NOT induce vomiting. Wash out mouth with water. If symptoms develop seek medical attention.

**Skin** Wash affected area thoroughly with copious amounts of running water. Remove contaminated clothing and wash before reuse. If symptoms develop seek medical attention.

**Eye** If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed off completely. Seek medical attention.

**First Aid Facilities** Eye wash and normal washroom facilities.

**Advice to Doctor** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media** Extinguish fire with foam, dry chemical powder or carbon dioxide.

**Hazards from Combustion** Under fire conditions this product may emit toxic and/or irritating smoke fumes including carbon monoxide and carbon dioxide.

**Products Specific Hazards** Contents under pressure - cans can explode in a fire.

**Precautions in connection with Fire** Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode. Water spray may

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be used to keep fire exposed containers cool.

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures** Extinguish or remove all sources of ignition and stop leak if safe to do so. Wear appropriate personal protective equipment and clothing to prevent exposure. Evacuate all unprotected personnel. Water spray or fog may be used to disperse/absorb vapour if any. Place inert, non-combustible absorbent material onto spillage. If safe, damaged cans should be placed in a container outdoors, away from ignition sources, until pressure has dissipated. Undamaged cans should be gathered and stowed safely. Collect residues and seal in labelled drums for disposal. If contamination of sewers or waterways occurs inform the local water authorities and EPA in accordance with local regulations. Dispose of waste according to applicable local and national regulations.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling** Wear appropriate protective equipment to prevent exposure. Use in designated areas with adequate ventilation. Prevent the creation of vapours or mists in the work atmosphere. Keep cans capped when not in use. Practice good personal hygiene, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities.

**Conditions for Safe Storage** Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, acids, bases, foodstuffs, and out of direct sunlight. Inspect regularly for deficiencies such as damage or leaks. No smoking, naked lights, heat or ignition sources. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding or bonding procedures.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**National Exposure Standards** No value is assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC) Australia, however the available exposure limits on the ingredients as provided by NOHSC are as follows:

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Butane	800	1900	-	-

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

**Biological Limit Values** No biological limit allocated.

**Engineering Controls** Provide sufficient ventilation to keep airborne levels below exposure limits. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required. Refer to AS 2430 - Explosive gas atmospheres for further information concerning ventilation requirements.

**Respiratory Protection** If engineering controls are not effective in controlling airborne exposure then a supplied air respirator should be used. For short-term exposure an organic vapour respirator may be acceptable. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

**Eye Protection** Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

**Hand Protection** Use chemical resistant gloves, eg. laminated film or nitrile. Final choice of appropriate gloves will vary according to individual circumstances ie. methods

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**Body Protection** of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.  
Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear misty spray dispensed from aerosol can.
<b>Odour</b>	Not available
<b>Melting Point</b>	Not available
<b>Boiling Point</b>	Not available
<b>Solubility in Water</b>	Not available
<b>Specific Gravity</b>	0.58 approx
<b>pH Value</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (Air=1)</b>	Not available
<b>Flash Point</b>	-104°C (Closed cup) (for propellant)
<b>Flammability</b>	Extremely flammable
<b>Auto-Ignition Temperature</b>	Not available
<b>Flammable Limits - Lower</b>	2.2% (for propellant)
<b>Flammable Limits - Upper</b>	10.0% (for propellant)

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## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under normal conditions of storage and handling.
<b>Incompatible Materials</b>	Oxidising agents
<b>Hazardous Decomposition Products</b>	Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide and carbon dioxide.
<b>Hazardous Polymerization</b>	Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

<b>Toxicology Information</b>	No toxicity data are available for this specific product. However the available data for butane is as follows: LC50 (Inhalation, Rat) : 658,000 mg/m <sup>3</sup> /4h
<b>Inhalation</b>	Inhalation of product spray may cause irritation of the nose, throat and respiratory system.
<b>Ingestion</b>	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
<b>Skin</b>	May cause irritation in contact with the skin, which can result in redness and itchiness.
<b>Eye</b>	May be irritating to eyes, which may cause tearing, stinging, blurred vision, and redness.
<b>Chronic Effects</b>	Prolonged or repeated skin contact may cause defatting leading to dermatitis. Chronic exposure or intentional misuse by deliberately concentrating or inhaling contents may be harmful or fatal.

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## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Not available
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<b>Persistence / Degradability</b>	Not available
<b>Mobility</b>	Not available
<b>Bioaccumulative Potential</b>	Not available
<b>Environ. Protection</b>	Prevent this material entering waterways, drains and sewers.

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### 13. DISPOSAL CONSIDERATIONS

<b>Disposal Considerations</b>	The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.
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### 14. TRANSPORT INFORMATION

<b>Transport Information</b>	This material is classified as a Class 2.1 (Flammable Gas) Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road or Rail. Dangerous goods of Class 2.1 (Flammable Gas) are incompatible in a placard load with any of the following: <ul style="list-style-type: none"><li>- Class 1, Explosive</li><li>- Class 3, Flammable Liquid, if both the Class 2.1 and Class 3 dangerous goods are in bulk</li><li>- Class 4.1, Flammable Solid</li><li>- Class 4.2, Spontaneously Combustible Substance</li><li>- Class 4.3, Dangerous When Wet Substance</li><li>- Class 5.1, Oxidising Agent</li><li>- Class 5.2, Organic Peroxide</li><li>- Class 7, Radioactive Substance</li></ul>
<b>U.N. Number</b>	1950
<b>Proper Shipping Name</b>	AEROSOLS
<b>DG Class</b>	2.1
<b>Packaging Method</b>	
<b>Packing Group</b>	
<b>EPG Number</b>	2D1
<b>IERG Number</b>	49

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### 15. REGULATORY INFORMATION

<b>Regulatory Information</b>	Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia. Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).
<b>Poisons Schedule</b>	Not Scheduled
<b>Hazard Category</b>	Extremely Flammable

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### 16. OTHER INFORMATION

<b>Date of preparation or last revision of MSDS</b>	MSDS Reviewed: June 2008 Supersedes: December 2002
<b>Contact Person/Point</b>	DISCLAIMER: The company has taken care in compiling this information. No liability is accepted whether direct or indirect from its application since the conditions of final use are outside the Company's control. The end user is obliged to conform to relevant government regulations and/or patent laws applicable in their respective States of Countries. ...End Of MSDS...

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