

MATERIAL SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PRODUCT NAME: **LUBRI JET SPRAY**
OTHER NAMES: Not available
RECOMMENDED USE: Lubricant for dental suction equipment.

SUPPLIER NAME: **CATTANI AUSTRALIA**
ADDRESS: 280 Dundas Street, Thornbury,
Victoria, Australia, 3071

TELEPHONE NUMBER: +61 3 9484 1120

EMERGENCY TELEPHONE NUMBER: +61 3 9484 1120, Business Hours
0403 244 455, After Hours

SECTION 2 – HAZARDS IDENTIFICATION

Statement of Hazardous Nature of Product: This product is not classified as Hazardous according to criteria of the National Occupational Health and Safety Commission. It is a dangerous good according to the Australian Dangerous Goods (ADG) Code.

Risk Phrases: Not Applicable

The Manufacturer recommends the following precautions:

Safety Phrases: S2 – Keep out of reach of children.
S15 – Keep away from heat.
S21 – When using, do not smoke.
S23 – Do not breathe vapour.
S39 – Wear eye/face protection.
S41 – In case of fire or explosion do not breathe fumes.
S47 – Keep at a temperature not exceeding 50°C.

UN NUMBER: 1950
HAZCHEM CODE: 2RE
DANGEROUS GOODS CLASS/SUBSIDIARY RISK: Class 2.2
POISONS SCHEDULE NUMBER: Not Scheduled

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBER	PROPORTION
1,1,1,2 – Tetrafluoroethane (Propellant- Refrigerant Gas 134a)	811-97-2	> 60%
Silicon Oil 200/350	-	10% - < 30%

MATERIAL SAFETY DATA SHEET

SECTION 4 – FIRST AID MEASURES

- INGESTION:** Not normally a means of entry to the body. If ingestion has occurred DO NOT induce vomiting and seek immediate medical assistance taking this MSDS or the container with you.
- EYE:** If in eyes, hold eyes open and flush with copious amounts of water for at least 15 minutes. If irritation develops or persists seek medical advice.
- SKIN CONTACT:** If skin contact has occurred remove contaminated clothing immediately and wash skin thoroughly with soap and water. If irritation develops or persists seek medical advice.
- INHALATION:** If affected, take patient out of the contaminated area and let them rest in a well ventilated area. If symptoms appear, seek medical advice. If not breathing, apply artificial respiration and seek urgent medical assistance.
- FIRST AID FACILITIES:** Safety showers and eyewash stations are recommended.
- ADVICE TO DOCTOR:** Treat symptomatically. Due to the presence of silicon oil in the product, it may present an aspiration hazard. If vomiting has occurred after ingestion, the patient should be monitored for adverse effects.

SECTION 5 – FIRE FIGHTING MEASURES

- FIRE:** Not flammable under normal conditions of use.
- EXPLOSION:** No information to indicate that the product is an explosion hazard. However, the product is in an aerosol container that is liable to overpressure and distend or explode if subjected to sufficient heat.
- FIRE EXTINGUISHING MEDIA:** Carbon dioxide, foam and dry chemical. Keep containers cool with water spray or fog.
- COMBUSTION HAZARDS:** Avoid breathing in smoke. Oxides of silicon may be formed if the propellant is evaporated and the residual silicone oil decomposes during a fire. If the propellant decomposes during a fire oxides of carbon and fluorides may be formed. Use of water during a fire may produce hydrogen fluoride vapours.
- PROTECTIVE EQUIPMENT:** In the event of a fire, wear full protective clothing and self-contained breathing equipment with full-face piece operated in the pressure demand or other positive pressure mode.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- PERSONAL PROTECTION:** Wear gloves, glasses and full-length clothing.
- EMERGENCY PROCEDURES:** Extinguish and/or remove all sources of ignition. Prevent further product from releasing. Caution: The spill will be slippery. Contain the spill and absorb with sand, earth, or vermiculite. Place used absorbent in suitable containers and follow state or local regulations for the disposal of the waste. If spills occur in an enclosed area an approved respirator must be used. For large spills, self-contained breathing apparatus must be used. Do not allow the spilled product to enter drains, sewers or watercourses – inform local authorities if this occurs.
- CLEANING PROCEDURES:** Having contained the spill, collect all material quickly as mentioned above. Personnel must wear safety glasses, gloves and full-length clothing during cleaning procedures. Wash contaminated area and cleaning objects with soap and water after the spill has been cleared. Rinse the cleaned area with water.

MATERIAL SAFETY DATA SHEET

SECTION 7 – HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Caution should be exercised when handling the product, as it is a pressurised aerosol container. Do not puncture or incinerate can or expose to excessive heat whilst handling to avoid overpressure concerns. Avoid breathing vapours that may be generated during use. Do not eat, drink or smoke when handling the material. Good personal hygiene practices, such as washing hands prior to eating, drinking or smoking are recommended. Keep containers tightly closed when not in use. Do not tamper with the valve system of the container.

CONDITIONS FOR SAFE STORAGE:

Ensure that the product is stored in a cool, dry and well-ventilated space. Protect the packaging from damage. When the packaged material is intact the product is deemed to be of limited hazard. Avoid direct sunlight. The product should be stored at a temperature of less than 50°C to avoid overpressure concerns.

INCOMPATIBILITIES:

Strong oxidising agents, strong acids and strong alkalis.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

AIRBORNE EXPOSURE LIMITS:

An exposure standard has not been established for the finished product.

The manufacturer recommends:

Oil Mist (Silicone Oil 200/350):

Time Weighted Average (TWA): 5 mg/m³

Short Term Exposure Limit (STEL): 10 mg/m³

VENTILATION SYSTEMS:

Special ventilation is not normally required, however local exhaust and general ventilation is recommended to ensure that air concentrations remain below the recommended exposure standard. It is recommended when large quantities are stored that local exhaust systems are used to minimise employee exposure.

PERSONAL RESPIRATORS:

Respiratory protection is not required as long as exposure standards are not exceeded. If exceeded, an organic vapour/particulate respirator is required. Use respirators in accordance with AS 1715 and AS 1716.

GLOVE TYPE:

Wear gloves to provide hand protection. Natural rubber or neoprene gloves are recommended.

CLOTHING:

During normal operating procedures, long sleeved clothing is recommended to avoid skin contact. Soiled clothing should be washed with detergent prior to re-use.

EYE PROTECTION:

As the contents are under pressure, it is recommended that you wear safety glasses/goggles when handling the product to avoid eye contact.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Clear liquid under pressure.

pH:

Not applicable.

FLASHPOINT:

Not Flammable.

SOLUBILITY:

Insoluble in water.

ODOUR:

Odourless.

VAPOUR PRESSURE:

7.0 bar filling pressure at 20°C.

VAPOUR DENSITY:

1.2 at 20°C.

BOILING RANGE:

-40°C to + 400°C.

DENSITY:

Not available.

MATERIAL SAFETY DATA SHEET

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable under ordinary conditions of use and storage.
CONDITIONS TO AVOID:	The product should be maintained at a temperature below 50°C. Above this temperature, the container may overpressure and deform (distend) or if sufficient heat explode. Avoid moist atmospheres that may lead to corrosion of the container.
INCOMPATIBLES:	Strong oxidising agents, strong acids and strong alkalis.
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of silicon may be formed if the propellant is evaporated and the residual silicone oil decomposes during a fire. If the propellant decomposes during a fire oxides of carbon and fluorides may be formed. Use of water during a fire may produce hydrogen fluoride vapours.
HAZARDOUS REACTIONS:	None reported. Hazardous polymerisation will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

HEALTH EFFECTS

ACUTE	SWALLOWED:	This is not expected to be a means of entry during routine operations. May cause irritation to the gastrointestinal tract. Symptoms may include headache, dizziness, drowsiness, muscular weakness, fainting and in the worst-case loss of consciousness.
	EYE:	May be mildly irritating to the eyes. Direct spraying of the product into the eye may cause irritation, exhibited as pain, redness and production of tears. In a worst case scenario the cornea may be damaged by direct injection under pressure of the product into the eye.
	SKIN:	May be mildly irritating to the skin. May have a defatting effect on the skin. Avoid contact with skin.
	INHALED:	During normal use of the product with adequate ventilation, inhalation should not be a means of entry. As the product contains a fluorinated hydrocarbon, a build up of vapours in a confined space or intentional concentration of the vapours may cause symptoms, such as headache, drowsiness, dizziness, muscular weakness and in the worst case a loss of consciousness.
CHRONIC		Prolonged or repeated skin contact may lead to drying of the skin and potentially skin irritation.
TOXICITY DATA:		The product has not been tested as a whole and there is no data available.

SECTION 12 – ECOLOGICAL DATA

ECOTOXICITY:	No ecotoxicity information is available.
PERSISTENCE & DEGRADABILITY:	No persistence or degradability information is available.
MOBILITY:	No mobility information is available
ENVIRONMENTAL FATE:	No environmental fate information available.
BIOACCUMULATIVE POTENTIAL:	No bioaccumulative potential information is available.

MATERIAL SAFETY DATA SHEET

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL METHODS/ CONTAINERS:

Spilled product should be shovelled into a suitable waste container and treated as a solid waste. Follow state or local regulations for disposal of the waste. Dispose of aerosol containers and unused contents in accordance with Federal, State and local requirements. Do not allow product to enter drains, sewers and watercourses. Do not allow used/empty containers to exceed a temperature of 50°C during storage or disposal. Do not pierce or burn, even after use.

SECTION 14 – TRANSPORT INFORMATION

UN NUMBER: 1950
PROPER SHIPPING NAME: Aerosols.
ADG CODE CLASS: Class 2.2.
PACKAGING GROUP: Not applicable.
SPECIAL PROVISION: 63, 190, 229, 277.
HAZCHEM CODE: 2RE.

SECTION 15 – REGULATORY INFORMATION

HAZARDOUS: This product is not classified as Hazardous according to criteria of the National Occupational Health and Safety Commission. It is a dangerous good according to the Australian Dangerous Goods (ADG) Code.

Risk Phrases: Not Applicable

The Manufacturer recommends the following precautions:

Safety Phrases: S2 – Keep out of reach of children.
S15 – Keep away from heat.
S21 – When using, do not smoke.
S23 – Do not breathe vapour.
S39 – Wear eye/face protection.
S41 – In case of fire or explosion do not breathe fumes.
S47 – Keep at a temperature not exceeding 50°C.

No additional regulatory information is available.

SECTION 16 – OTHER INFORMATION

Date of MSDS Preparation: 8 December 2004
Revision: 1.0

ACRONYMS

SUSDP	Standard for the Uniform Scheduling of Drugs and Poisons
ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail
CAS Number	Chemical Abstracts Service Registry Number
UN Number	United Nations Number
ACGIH	American Conference of Governmental Industrial Hygienists
R-Phrase	Risk Phrases
S-Phrase	Safety Phrases
HAZCHEM No	An emergency action code of numbers and letters which gives information to emergency services
NOHSC	National Occupational Health and Safety Commission
AICS	Australian Inventory of Chemical Substances

MATERIAL SAFETY DATA SHEET

CONTACT POINT

NAME:	Mr Bill Clark
TITLE:	Director
TELEPHONE NUMBER:	(03) 9484 1120 B.H 0403 244 455

All information contained in this Material Safety Data Sheet and the health, safety and environmental information are considered to be accurate to the best of our knowledge as of the issue date specified above. However, no warranty or representation, expressed or implied, is made as to the accuracy or completeness of the data and information contained in this data sheet.

Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The Company accepts no responsibility for any injury, loss or damage, resulting from abnormal use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material.