



MATERIAL SAFETY DATA SHEET

1. Identification of Material and Supplier

Product Name: Helmar H4000 Silicone Spray

Recommended Use: Helmar H4000 Silicone Spray is a lubricant for various home, sport, automotive and industrial applications. Refer to product label for further information.

Supplier: Helmar Australia Pty Ltd

ABN: 28 003 425 796

Street Address: 54-56 Brisbane Road, Riverstone NSW 2765

Telephone Number: (61+2) 9627 4666

Fax: (61+2) 9627 4424

Emergency Telephone Number: (24 Hours)

In Australia contact a Poison Information Centre Ph.: 13 11 26

In New Zealand Ph.: 0800 764 766

In the USA contact a Poison Control Center Ph.: 1-800-222-1222

2. Hazards Identification

HAZARDOUS SUBSTANCE DANGEROUS GOODS

This product is classified as HAZARDOUS according to health criteria of NOHSC Australia.

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail, IMDC Code for Transport by Sea and by IATA Dangerous Code for Transport by Air

Risk Phrase(s):	R38:	Irritating to skin
	R48/23:	Toxic: Danger of serious damage to health by prolonged exposure through inhalation
	R60:	May impair fertility
	R65:	Harmful: May cause lung damage if swallowed

Safety Phrase(s):	S2:	Keep out of reach of children
	S12:	Extremely flammable
	S16:	Keep away from sources of ignition – No smoking
	S51:	Spray in well ventilated area

3. Composition/Information on Ingredients

Composition	CAS#	%
Heptane and Isomers	Various	<15%
n-hexane	110-54-3	<10%
Hydrocarbon propellant		60-90%
- Propane	74-98-6	
- Butane	106-97-8	
Other ingredients		to 100%

4. First-Aid Measures

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Inhalation: Remove victim to fresh air. Keep victim warm and calm. If patient is unconscious and breathing, place them in the coma position, check airway and observe. Administer oxygen if breathing is difficult. Apply resuscitation if victim is not breathing. Obtain immediate medical care.

Skin Contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair immediately with running water at room temperature for 15 minutes.

Eye Contact: If in eyes wash out immediately with water for 15 minutes. Obtain medical care.

Ingestion: Due to high volatility of product, this is not likely to occur. If sprayed in mouth, rinse mouth with water. If swallowed, do NOT induce vomiting. Obtain medical care.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Small fire: Use water spray, dry chemical or carbon dioxide. Large fire: Use water spray or fog. Fight fire from protected position or use unmanned hose holders or monitor nozzles. If safe to do so, move undamaged containers from fire area. Do not approach hot containers. Cool containers with water before handling. If impossible to extinguish fire, protect surroundings, withdraw from area and allow fire to burn.

Hazards: Heat or damage to containers can release flammable / poisonous gases. Extremely flammable. Pressurised dispenser. Closed containers may rupture when exposed to heat greater than 50°C. Ruptured containers will rocket. Released gases can form explosive mixtures with air. Hazardous concentrations can accumulate in a confined space. Released gases can travel to source of ignition and flash back. Fire can produce irritation, poisonous and corrosive gases. Propellant is extremely flammable and heavier than air.

Precautions / PPE: High concentration of gas could cause dizziness or asphyxiation without warning. Released gases are harmful. Wear SCBA and protective gloves. If large amounts are involved, wear SCBA and chemical splash suit.

Hazchem Code: •3WE

6. Accidental Release Measures

Emergency Procedures: Immediately contact police or fire brigade. Spill or leak area should be isolated immediately for at least 8m in all directions. Eliminate all sources of ignition within at least 15m. Keep unauthorised personnel away. Keep upwind and to higher ground. When a large quantity is involved in a fire, consider initial evacuation for at least 100m in all directions. Send message to police and fire brigade. Tell them the location, material, UN Number, quantity and emergency contact as well as damage observed.

Containment / Clean up Procedures: Eliminate all ignition sources (no smoking, flares, sparks or flame) within at least 15m. All equipment used when handling the product must be earthed. If water is available, spray leaking containers to reduce ignition hazard and disperse gas. Isolate area until gas has dispersed. Ventilate area. Avoid release to the environment. Do not empty into drains. Absorb in inert absorbent material for disposal by an approved method and / or local regulations.

7. Handling and Storage

Handling Advice: Spray in a well-ventilated area. Do not breathe vapour. Local exhaust ventilation may be necessary to minimise excessive vapour concentration, if levels are likely to be high or in a confined space. Avoid static charge and discharge with high concentrations and in confined space.

Storage Advice: Store in well-ventilated area. Pressurised dispenser. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn this can, even when empty. Store away from corrosive products. Store in accordance with Dangerous Goods Regulations and transport in accordance with the ADG Code for Dangerous Goods Class 2.1.

8. Exposure Controls/Personal Protection

National Exposure Standards: There is no established TLV for this product. Avoid exposure – obtain special instructions before use.

	TWA	STEL
Butane	800ppm	

TWA refers to the Time Weighted Average airborne concentration over an eight hour working day, for a five day working week over and entire working life.

STEL (Short-Term Exposure Limit) refer to 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: Not available.

Engineering Control Measures: Local exhaust ventilation may be necessary to minimise excessive vapour concentration, if levels are likely to be high or in a confined space.

Personal Protective Equipment: Wear safety glasses and protective gloves. Wear respirator complying with AS1715 and AS1716 if concentration levels are high.

9. Physical and Chemical Properties

Appearance/ Colour:	Aerosol, fine clear spray
Odour:	Solvent like
pH:	Not Applicable
Vapour Pressure:	Not Available
Vapour Density:	Not Available
Boiling / Melting Point:	Not Available
Solubility:	Not soluble
Specific Gravity:	0.58 approximately
Flash Point (propellant):	-104°C to -60°C
Flammability Limits (propellant):	1.5% to 9.6% in air (v/v)
Ignition Temperature (propellant):	494°C to 600°C

10. Stability and Reactivity

Chemical Stability:	Stable under normal ambient conditions of storage and use. Avoid heat sources.
Conditions to Avoid:	Avoid static charge and discharge with high concentrations and in confined space. Avoid damp conditions.
Incompatible Materials / Hazardous Reactions:	Can react violently with oxidising agents – chlorine, pool chlorine or nitric acid.
Hazardous Decomposition Products:	Not available.

11. Toxicological Information

Potential adverse health effects and symptoms associated with exposure to the material: Vapours may cause drowsiness and dizziness.

Ingestion:	Unlikely due to high volatility of product, but is harmful. May cause lung damage if swallowed.
Inhalation:	May cause light-headedness, dizziness and drowsiness. Excessive exposure may cause unconsciousness or even death, due to asphyxiation.
Eye Contact:	Liquid will cause severe damage, vapour may irritate.
Skin Contact:	May cause cold burn. Irritating to skin.

12. Ecological Information

Ecotoxicity / Persistence / Degradability / Mobility:	Propellant will vapourise rapidly when released to atmosphere. Propellant consists of hydrocarbons that photo chemically decompose under atmospheric conditions.
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13. Disposal Considerations

Disposal methods:	Dispose of can by putting in garbage or leaving it at an appropriate metal recycling collection point.
Special precautions for Landfill or incineration	Do not pierce or burn, even when empty.

14. Transport Information

UN Number	1950
Proper Shipping Name	Aerosols
Emergency Procedure Guide	2D1
Class & Subsidiary Risk(s)	2.1
Packaging Group	Not Applicable
Special Precautions for User	Spray in well-ventilated area. Keep away from sources of ignition – No smoking. Extremely flammable – Do not spray on a naked flame or any incandescent material. Keep out of reach of children. Do not spray on any surface which is to be walked on as surface will become slippery.
Hazchem Code	•3WE

15. Regulatory Information

Poisons Schedule: Not Applicable

Additional Information: Not Applicable

16. Other Information

Contact Point: Helmar Australia Pty Ltd

Phone: (61+2) 9627 4666 **Fax:** (61+2) 9627 4424

After hours:

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In New Zealand Ph.: 0800 764 766

In the USA contact a Poison Control Center Ph.: 1-800-222-1222

The information and recommendations set down here in this document are presented in good faith and to the best of Helmar Australia Pty Ltd's knowledge. Helmar Australia Pty Ltd cannot predict or control the conditions of use or handling of this product and each user must review this document in the context of the conditions under which they intend to handle and use this product. It is the responsibility of the user to ensure a proper assessment has been carried out. No representations or warranties, either expressed or implied, or merchantability, fitness for purpose or any other nature are made here under with respect to the product to which this information refers.