

Material Safety Data Sheet

Helmar H4000 Silicone Spray

IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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Product Name Helmar H4000 Silicone Spray
Other Names Not relevant
Manufacturers Code Not relevant
Recommended use Lubricant for various home, sport, automotive and industrial applications. Refer to product label for further information.
Do not spray on any surface which is to be walked on, as surface will become slippery.

HAZARDS IDENTIFICATION

Hazard Classification This product is classified as hazardous under NOHSC criteria. This product is classified as a Dangerous Good by the Australian Dangerous Goods Code .

Risk phrase(s) Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal. Harmful: Danger of serious damage to health by prolonged exposure through inhalation.
Harmful. Possible risk of impaired fertility.
May cause lung damage if swallowed.
Irritating to skin.

Safety phrase(s) Keep out of reach of children.
Extremely flammable- Do not spray on a naked flame or any incandescent material.
Keep away from sources of ignition – No smoking.
Spray in well ventilated area.

For further health and safety information please refer to the full MSDS.

COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Proportion
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%

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FIRST AID MEASURES

For advice, contact a Poisons Information Centre, Phone Australia 13 1126; New Zealand 0800 764 766, or a doctor at once.

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: 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: 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.

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 irritating, 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

ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Immediately contact police or fire brigade. Spill or leak area should be isolated immediately for at least 8 m in all directions. Eliminate all sources of ignition within at least 15 m. 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 100 m 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 15 m. 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

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absorbent material for disposal by an approved method and / or local regulations.

HANDLING AND STORAGE

Precautions for Safe Handling	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.
Conditions for Safe Storage	Store in a 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

EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards	There is no established TLV for this product. Avoid exposure – obtain special instructions before use. TWA for Butane is 800ppm Propane is an asphyxiant
Biological Limit Values	Not available.
Engineering Controls	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.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	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 approx.
Flash Point (propellant)	-104 to -60°C
Flammable limits (propellant)	1.5% to 9.6% in air (v/v)
Ignition Temperature (propellant)	494°C to 600°C

STABILITY AND REACTIVITY

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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	Not available.
Decomposition Products	

TOXICOLOGICAL INFORMATION

Potential adverse health effects and symptoms associated with exposure to the material	Vapours may cause drowsiness and dizziness. Swallowed: Unlikely due to high volatility of product, but is harmful, may cause lung damage if swallowed Eyes: Liquid will cause severe damage, vapour may irritate. Skin: May cause cold burn. Irritating to skin. Inhaled: May cause light-headedness, dizziness and drowsiness. Excessive exposure may cause unconsciousness or even death, due to asphyxiation.
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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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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.

TRANSPORT INFORMATION

UN Number	1950
Proper Shipping Name	Aerosols
Emergency Procedure Guide	2D1
Class and 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

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Hazchem become slippery.
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REGULATORY INFORMATION

Poisons Schedule Not applicable
Additional information Not applicable

OTHER INFORMATION

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Issue 1