



## SAFETY DATA SHEET

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### 1. Identification

**Product Name:** Helmar H4000 Silicone Spray

**Recommended Use:** Helmar H4000 Silicone Spray is an aerosol lubricant for various home, sport, automotive and industrial applications.

**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

This material is hazardous according to health criteria of Safe Work Australia.



#### Signal Word

Danger

#### Hazard Classification

Flammable Aerosols – Category 1

Aspiration Hazard – Category 1

Skin Corrosion/Irritation – Category 2

Specific Target Organ Toxicity (Single Exposure) – Category 3 (narcotic effects)

#### Hazard Statement

H222 Extremely flammable aerosol.

H304 May be fatal if swallowed and enter airways.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

### Precautionary Statements (Prevention)

P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P211	Do not spray on an open flame or other ignition sources.
P251	Pressurised container: Do not pierce or burn, even after use.
P261	Avoid breathing dust, fume, gas, mist, vapours or spray.
P264	Wash hands, face and all exposed skin thoroughly after handling.
P271	Use outdoors or in a well-ventilated area.
P280	Wear protective clothing, eye/face protection and a suitable respirator.

### Precautionary Statement (Response)

P101	If medical advice is needed, have product container or label at hand.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
P331	Do NOT induce vomiting.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362	Take off contaminated clothing and wash before use.

### Precautionary Statement (Storage)

P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

### Precautionary Statement (Disposal)

P501	Dispose of contents/container in accordance with local, regional, national and international regulations.
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**Poisons Schedule (Australia):** Not applicable

## DANGEROUS GOODS CLASSIFICATION

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

In the USA classified as ORM-D Consumer Commodity until 31<sup>st</sup> December 2020 or Limited Quantity Exception for ground service only by the criteria of CFR 49 Part 173.144 Other Regulated Material (ORM)—Definitions, CFR 49 Part 173.156 Exceptions for limited quantity and ORM, CFR 49 Part 172.315 Limited quantities & CFR 49 Part 172.316 Packaging containing materials classed as ORM-D.

**Dangerous Goods Class:** 2.1

**In the USA:** ORM-D Consumer Commodity or Limited Quantity Exception.

## 3. Composition/Information on Ingredients

Chemical Entity	CAS Number	Proportion
Butane	106-97-8	30-60%
Propane	74-98-6	30-60%
Solvent Naphtha	64742-89-8	10-30%
Ingredients determined to be Non-Hazardous		Balance 100%

#### 4. First-Aid Measures

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone: Australia 131 126, New Zealand 0800 764 766, or Poison Control Center in the USA 1 800 222 1222).

**Inhalation:** Remove victim from exposure – avoid becoming a casualty. Remove contaminated and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

**Skin Contact:** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a Doctor or Hospital. For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering or irritation occurs seek medical assistance.

**Eye Contact:** If in eyes wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

**Ingestion:** Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

**Notes to physician:** Treat symptomatically.

For advice, contact a Poisons Information Centre: In Australia Ph.:13 11 26, In New Zealand Ph.: 0800 764 766, In the USA contact a Poison Control Center Ph.: 1 800 222 1222

#### 5. Fire-Fighting Measures

**Hazchem code:** 2YE

**Suitable extinguishing media:** If material involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

**Specific hazards:** Extremely flammable aerosol. May form flammable vapour mixtures with air. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed. Electrical requirements for work area should be assessed according to AS3000. Vapour may travel a considerable distance to source of ignition and flash back. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke.

**Fire fighting further advice:** Heating can cause expansion or decomposition leading to violent rupture of containers. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning or decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion or decomposition.

## 6. Accidental Release Measures

### **Personal precautions, protective equipment and emergency procedures**

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

### **Environmental precautions**

Avoid discharge into drains, water courses or onto the ground.

### **Methods and materials for containment and cleaning up**

Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move cans to a safe and open area if the leak is irreparable. Use water spray to reduce vapors or divert vapor cloud drift. Isolate area until gas has dispersed. Prevent entry into waterways, sewer, basements or confined areas. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

**Dangerous Goods** – Initial Emergency Response Guide No: 49

## 7. Handling and Storage

**Handling:** Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapour, mist or aerosols.

**Storage:** Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Do not expose to temperatures exceeding 50°C/122°F. Keep containers closed when not in use – check regularly for leaks.

This material is classified as a Division 2.1 Flammable Gas as per the criteria of the “Australian code for the Transport of Dangerous Goods by Road & Rail” and/or the “New Zealand NZS5433: Transport of Dangerous Goods on Land” and must be stored in accordance with the relevant regulations.

## 8. Exposure Controls/Personal Protection

### National occupational exposure limits:

Material	TWA ppm	TWA mg/m <sup>3</sup>	STEL ppm	STEL mg/m <sup>3</sup>	NOTICES
Butane CAS#115-10-6	800	1900	-	-	
Propane CAS#74-98-6	-	-	-	-	

As published by Safe Work Australia

TWA – The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

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 work day.

These exposure standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

**Biological Limit Values:** As per the 'National Model Regulations for the Control of Workplace Substances (Safe Work Australia)' the ingredients in this material do not have a Biological limit allocated.

**Engineering Measures:** Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Use with local exhaust ventilation or while wearing an appropriate respirator. Vapour is heavier than air – prevent concentration in hollows or sumps. Do NOT enter confined spaces where vapour may have collected.

**Personal Protection Equipment:** SAFETY SHOES, OVERALLS, GLOVES, SAFETY GLASSES, RESPIRATOR.

Wear safety shoes, overalls, gloves, safety glasses & respirator. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

**Hygiene measures:** Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapour, mist or aerosols. Ensure that eyewash station's and safety showers are close to the workstation location.

## 9. Physical and Chemical Properties and Safety Characteristics

**Form:** Aerosol  
**Colour:** Clear  
**Odour:** Slight odour  
**Solubility:** No data available  
**Specific Gravity (20°C):** 0.76  
**Relative Vapour Density (air=1):** >1  
**Vapour Pressure (20°C):** No data available  
**Flash Point (°C):** <0  
**Flammability Limits (%):**No data available  
**Auto ignition Temperature (°C):** No data available  
**Melting Point/Range (°C):** <0  
**Boiling Point/Range (°C):** <0  
**pH:** No data available  
**Viscosity:** No data available  
**Total VOC (g/Litre):** No data available

## 10. Stability and Reactivity

**Chemical Stability:** This material is thermally stable when stored and used as directed.

**Conditions to Avoid:** Elevated temperatures and sources of ignition.

**Incompatible Materials:** Oxidising agents.

**Hazardous Decomposition Products:** Oxides of carbon and nitrogen will occur, smoke and other toxic fumes.

**Hazardous Reactions:** No known hazardous reactions.

## 11. Toxicological Information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposed are:

### Acute Effects

**Inhalation:** Material may be an irritant to mucous membranes and respiratory tract.

**Skin contact:** Contact with skin may result in irritation.

**Ingestion:** Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

**Eye contact:** May be an eye irritant.

### Acute toxicity

**Inhalation:** This product has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): > 20,000 ppm.

**Skin contact:** This product has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): > 2,000 mg/Kg.

**Ingestion:** This product has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): > 2,000 mg/Kg.

### Corrosion/Irritancy:

**Eye:** This material has been classified as not corrosive or irritating to the eyes.

**Skin:** This material has been classified a Category 2 Hazard (reversible effects to the skin).

**Sensitisation:**

**Inhalation:** This material has been classified as not a respiratory sensitizer.

**Skin:** This material has been classified as not a skin sensitizer.

**Aspiration hazard:** This material has been classified as an Aspiration Hazard – Category 1.

**Specific target organ toxicity (single exposure):** This material has been classified as a Category 3 Hazard Exposure via inhalation may result in depression of the central nervous system.

**Chronic Toxicity**

**Mutagenicity:** This material has been classified as non-hazardous.

**Carcinogenicity:** This material has been classified as non-hazardous.

**Reproductive toxicity (including via lactation):** This material has been classified as non-hazardous.

**Specific target organ toxicity (repeat exposure):** This material has been classified as non-hazardous.

## 12. Ecological Information

Avoid contaminating waterways.

**Acute aquatic hazard:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100mg/L

**Long term aquatic hazard:** This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data. Acute toxicity estimate (based on ingredients): >100mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log  $K_{ow}$  < 4.

**Ecotoxicity:** No information available.

**Persistence and degradability:** No information available.

**Bioaccumulative potential:** No information available.

**Mobility:** No information available.

## 13. Disposal Considerations

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see “Section 8. Exposure Controls and Personal Protection” of this SDS.

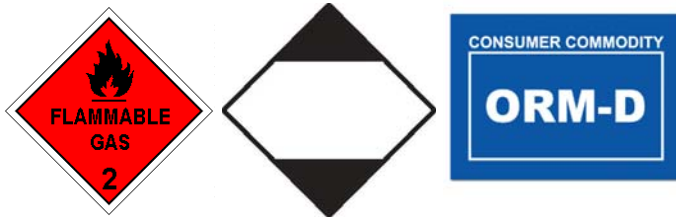
If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international regulations.

## 14. Transport Information

### ROAD AND TRANSPORT

Classified as Dangerous Goods by the criteria of the “Australian Code for the Transport of Dangerous Goods by Road & Rail” and the “New Zealand NZS5433: Transport of Dangerous Goods on Land”.

In the USA classified as ORM-D Consumer Commodity until 31<sup>st</sup> December 2020 or Limited Quantity Exception for ground service only by the criteria of CFR 49 Part 173.144 Other Regulated Material (ORM)—Definitions, CFR 49 Part 173.156 Exceptions for limited quantity and ORM, CFR 49 Part 172.315 Limited quantities & CFR 49 Part 172.316 Packaging containing materials classed as ORM-D.



**UN Number:** 1950

**Dangerous Goods Class:** 2.1

**Packing Group:** None

**HAZCHEM:** 2YE

**Emergency Response Guide No:** 49

**Proper Shipping Name:** AEROSOLS

**USA DOT Regulations:** ORM-D Consumer Commodity or Limited Quantity Exception

**Segregation Dangerous Goods:** Not to be loaded with Explosives (Class 1), Flammable Liquids (Class 3), if both are in bulk. Flammable Solids (Class 4.1), Spontaneously Combustible Substances (Class 5.2) or Radioactive Substances (Class 7). Exemptions may apply.

### MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.



**UN Number:** 1950

**Dangerous Goods Class:** 2.1

**Packing Group:** None

**Proper Shipping Name:** Aerosols

**Proper Shipping description:** Aerosols, Flammable, N.O.S., UN1950, Class 2.1, in limited quantities, Refer IMDG page 2102



## AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport (IATA) Dangerous Goods Regulations for transport by air.



**UN Number:** 1950

**Dangerous Goods Class:** 2.1

**Packing Group:** None

**Proper Shipping Name:** Aerosols

## 15. Regulatory Information

**HSNO Group Standard:** Aerosols Flammable Group Standard 2006: HSR002515

**This material is not subject to the following international agreements:**

Montreal Protocol (Ozone depleting substances)

The Stockholm Convention (Persistent Organic Pollutants)

The Rotterdam Convention (Prior Informed Consent)

International Convention for the Prevention of Pollution from Ships (MARPOL)

**This material is subject to the following international agreements:**

Basel Convention (Hazardous Waste)

- Wastes from production, formulation and use of organic solvents.

This material/constituent(s) is covered by the following requirements:

- All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS)

## **16. Other Information**

**Contact Point:** Helmar Australia Pty Ltd

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

### **After 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

Safety Data Sheets are updated frequently. Please ensure that you have a current copy. This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Helmar Australia Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.

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.