

1. IDENTIFICATION OF SUBSTANCE & COMPANY

This product is an approved substance under the Hazardous Substances and New Organisms Act (HSNO, Approval **HSR002512**, Aerosol Flammable Group Standard 2020).

Product

Product Name	Repiderma Hoof Spray (Repiderma Spray 250ml) (SKU: 215355)
HSNO Approval	HSR002512
Approval Description	Aerosol Flammable Group Standard 2020
Intended Use	Skin care of animals – For professional users only.
UN Number	UN1950

Supplier Details

Company	Shoof International Ltd	
Address	224 Laurent Road, Cambridge 3493 New Zealand	1 International Square Tullamarine, VIC 3043 Australia
Telephone	+64 7 827 3902 (NZ)	+61 3 9907 3000 (AU)
Website	www.shoof.co.nz	www.shoof.com.au
Emergency Contact (NZ)	0800 POISON (0800 764 766)	
Emergency Contact (AU)	13 11 26	

2. HAZARD IDENTIFICATION

The substance has been classified as hazardous according to the criteria in the Hazardous substance (Minimum Degrees of Hazard) Notice 2017.

GHS Classification



Hazard Classes

Flammable Gas – Category 1

Eye Irritation – Category 2

STOT SE – Category 3

Hazard Statement

H222 – Extremely flammable aerosol

H229 – Pressurised container: May burst if heated.

H319 – Causes serious eye irritation.

H336 – May cause drowsiness or dizziness.

Precautionary Statements

Signal word

DANGER

Precautionary
Statements

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211

Do not spray on an open flame or other ignition source.

P251

Do not pierce or burn, even after use.

P280

Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.

P304+P340

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Storage	P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.
Disposal	P501	Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

Other hazards:

Product does not meet PBT/vPvB criteria.

Endocrine-disrupting properties: The product does not meet the criteria.

3. COMPOSITION / INFORMATION ON INGREDIENTS

This product contains the following substances that present a hazard within the meaning of the relevant Hazardous Substances regulations.

Chemical description: Mixture composed of additives and copper compounds

Components: In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical Name/Classification	Concentration
CAS: 67-63-0 EC: 200-661-7 Index: 603-117-00-0 REACH: 01-2119457558-25-XXXX	propan-2-ol⁽¹⁾	10 - <25%
	Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336 - Danger	
CAS: 14025-15-1 EC: 237-864-5 Index: Non-applicable REACH: 01-2119963944-23-XXXX	disodium [[N,N'-ethylenebis[N-(carboxymethyl)glycinato]](4-)-,N',O,O',ON,ON'] cuprate(2-)⁽¹⁾	5 - <10%
	Acute Tox. 4: H302; Eye Irrit. 2: H319 - Warning	

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

4. FIRST AID

4.1 General Information

If medical advice is needed, have product container or label at hand. Call the National Poisons Centre or your doctor if you feel that you may have been harmed or irritated by the product.

4.2 Description of First Aid Measures

After Inhalation: Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

After Skin Contact: In case of contact, it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters), seek medical advice with this Safety Data Sheet.

After Eye Contact: Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could

cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration: Do not induce vomiting, but if it does happen keep the head down to avoid aspiration.
Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.3 Important symptoms and effect – both acute and delayed

Acute and delayed effects are indicated in sections **2** and **11**.

4.4 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIREFIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishing agents: Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC).

For safety reasons unsuitable extinguishing agents: Water jet

5.2 Special hazards arising from the substances or mixture

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for Firefighters

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit)

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For Non-Emergency Personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form and also ensuring that all surfaces are connected to the ground.

For Emergency Responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

6.3 Methods and material for contamination and cleaning up

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections

See sections 8 and 13.

7. STORAGE HANDLING

Precaution for safe handling

General precautions for safe use:

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

Conditions for safe storage including incompatibilities

Store in a cool, dry, well-ventilated location
Avoid sources of heat, radiation, static electricity and contact with food.
Store out of reach of children.
For additional information see subsection 10.5

Specific end-use(s)

N/A

8. EXPOSURE CONTROLS / PERSONAL PROTECTIVE EQUIPMENT

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation): There is no applicable occupational exposure limits for the substances contained in the product

A workplace exposure standard (WES) has not been established by WorkSafe NZ for this product. There is a general limit of 3mg/m³ for respirable particulates and 10mg/m³ for inhalable particulates when limits have not otherwise been established.

8.1 Control Parameters

NZ Workplace Exposure Std	Ingredient	WES-TWA	WES-STEL
	propan-2-ol	Simple asphyxiant	Data unavailable
	disodium [[N,N'-ethylenebis[N-(carboxymethyl)glycinato]](4-)-N',O,O',ON,ON']cuprate(2-)]	Data unavailable	Data unavailable

DNEL Workers

Identification	Short Exposure		Long Exposure	
	Systematic	Local	Systematic	Local
propan-2-ol	Oral	N/A	N/A	N/A
	Dermal	N/A	N/A	N/A
	Inhalation	100mg/m ³	N/A	500mg/m ³
disodium[[N,N'-ethylenebis[N-(carboxymethyl)glycinato]](4-)-N',O,O',ON,ON']cuprate(2-)]	Oral	N/A	N/A	N/A
	Dermal	N/A	N/A	3750mg/kg
	Inhalation	N/A	N/A	1,8mg ³

DNEL (General Population)

Identification	Short Exposure		Long Exposure	
	Systematic	Local	Systematic	Local
propan-2-ol	Oral	51mg/kg	N/A	26mg/m ³
	Dermal	N/A	N/A	319mg/m ³
	Inhalation	178mg/m ³	N/A	114mg/m ³
disodium[[N,N'-ethylenebis[N-(carboxymethyl)glycinato]](4-)-N',O,O',ON,ON']cuprate(2-)	Oral	N/A	N/A	0,375mg/m ³
	Dermal	N/A	N/A	1875mg/m ³
	Inhalation	N/A	N/A	0,45 mg/m ³

PNEC

Identification	STP	2251mg/L	Fresh water	140,9mg/L
propan-2-ol	Soil	28mg/kg	Marine water	140,9mg/L
	Intermittent	140,9mg/L	Sediment (fresh water)	552mg/k
	Oral	0,16g/kg	Sediment (marine water)	552mg/k
	STP	65,4mg/L	Fresh water	2,95mg/L
disodium[[N,N'-ethylenebis[N-(carboxymethyl)glycinato]](4-)-N',O,O',ON,ON']cuprate(2-)	Soil	0,21mg/kg	Marine water	0,3mg/L
	Intermittent	1,09mg/L	Sediment (fresh water)	N/A
	Oral	N/A	Sediment (marine water)	N/A

8.2 Exposure Controls

Individual protection measures, such as personal protective equipment:

General protective and hygienic measures:

- The usual precautionary measures are to be adhered to when handling chemicals.
- Keep away from foodstuffs, beverages, and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes and skin.

Respiratory protection:

- Ensure adequate ventilation.
- Avoid inhalation if the room is not well-ventilated.
- In case of brief exposure or low pollution, use a respiratory filter device. In case of intensive or longer exposure, use a self-contained respiratory protective device. A respirator when airborne concentrations approach WES (section 8). Respirators must have filters appropriate to the duty and comply with AS/NZ 1716 and selected, used and maintained in accordance with AS/NZ1715/ Use a respirator with a dust/particulate filter. In using a respirator, ensure that the cartridge is correct for the potential air contamination and are in good working order. Fit testing and clear guidelines and training for use and maintenance of PPE are necessary.

Hand protection:

- Use chemical protective gloves.

Eye and Face protections:

- Panoramic glasses against splash/projections.

Body Protection:

- Antistatic and fireproof protective clothing.
- Safety footwear with antistatic and heat-resistant properties.

Eye and Face protections:

- Panoramic glasses against splash/projections.

9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

GENERAL INFORMATION

Physical state at 20 °C	Aerosol
Appearance	Not available
Colour	Green
Odour	Alcohol
Odour threshold	Not relevant
VOLATILITY	
Boiling point at atmospheric pressure:	-12 °C (Propellant)
Vapour pressure at 20 °C	Not relevant
Vapour pressure at 50 °C	<300000 Pa (300 kPa)
Evaporation rate at 20 °C	Not relevant
FLAMMABILITY	
Flash point	-60 °C (Propellant)
Flammability (solid, gas)	Not relevant
Autoignition temperature	460 °C (Propellant)
Lower Flammability limit	Not relevant
Upper Flammability limit	Not relevant

*Not relevant due to the nature of the product, not providing information property of its hazards.

9.2 Other Information

Explosive properties	Not relevant
Oxidising properties	Not relevant
Corrosive to metals	Not relevant
Heat of combustion	Not relevant
Aerosols – total percentage (by mass) of flammable components	Not relevant
Surface tension at 20°C	Not relevant
Refraction index	Not relevant

9.3 Physical Hazard Classes

Explosive properties	Void
Oxidising properties	Void
Corrosive to metals	Void
Heat of combustion	Void
Aerosols-total percentage (by mass) of flammable components	Void
Surface tension at 20°C	Void
Refraction index	Void

10. STABILITY & REACTIVITY

Reactivity

- No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

Chemical Stability

- Chemically stable under the indicated conditions of storage, handling and use.

Possibility of hazardous reactions

- Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

Conditions to avoid

- Keep away from source of ignition at all times.

Incompatible materials

- Acids – avoid strong acid.
- Alkalies – avoid alkalies or strong bases.
- Oxidising materials – avoid direct impact.
- Explosives

Hazardous decomposition products

- Unknown

11. TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

Ingestion (acute effect)

- **Acute toxicity:** Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- **Corrosivity/Irritability:** Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Inhalation (acute effect)

- **Acute toxicity:** Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- **Corrosivity/Irritability:** Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Contact with the skin and the eyes (acute effect)

- **Contact with the skin:** Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for skin contact. For more information see section 3.
- **Contact with the eyes:** Produces eye damage after contact.

CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction)

- **Carcinogenicity:** Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.

IARC: propan-2-ol (3):

- **Mutagenicity:** Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- **Reproductive toxicity:** Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Sensitizing effects

- **Respiratory:** Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- **Skin:** Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Specific target organ toxicity (STOT) - single exposure

- Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.

Specific target organ toxicity (STOT)-repeated exposure

- **Specific target organ toxicity (STOT)-repeated exposure:** Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- **Skin:** Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Aspiration hazard

- Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

11.2 Specific toxicology information on the substance

Identification	Acute toxicity		Genus
Propan-2-ol	LD50 oral	5280 mg/kg	Rat
	LD50 dermal	12800 mg/kg	Rat
	LC50 inhalation	72.6 mg/L (4h)	Rat
disodium[[N,N'-ethylenebis[N-(carboxymethyl)glycinato]](4-)-N',O,O',ON,ON']cuprate(2-)	LD50 oral	890 mg/kg (ATEi)	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation		

11.3 Information on other hazards
Endocrine disrupting properties – The product does not meet the criteria.

12. ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available. Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

12.1 Toxicity
Acute Toxicity

Identification	Concentration		Species	Genus
propan-2-ol	LC50	9640 mg/L (96 h)	Pimephales promelas	Fish
	EC50	13299 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	1000 mg/L (72 h)	Scenedesmus subspicatus	Algae
disodium[[N,N'-ethylenebis[N-(carboxymethyl)glycinato]](4-)-N',O,O',ON,ON']cuprate(2-)	LC50	555 mg/L (96 h)	N/A	Fish
	EC50	109 mg/L (48 h)	N/A	Crustacean
	EC50	662 mg/L (72 h)	N/A	Algae

Chronic toxicity

Identification	Concentration		Species	Genus
disodium[[N,N'-ethylenebis[N-(carboxymethyl)glycinato]](4-)-N',O,O',ON,ON']cuprate(2-)	NOEC	25.7 mg/l	Danio rerio	Fish
	NOEC	25 mg/l	Daphnia magna	Crustacean

12.2 Persistence and degradability

Substance specific information

Identification	Degradability		Biodegradability	
propan-2-ol	BOD5	1,19 g O ₂ /g	Concentration	100 mg/L
	COD	2,23 g O ₂ /g	Period	14 days
	BOD5/COD	0,53	% biodegradable	86%

12.3 Bioaccumulate Potential

Substance specific information

Identification	Bioaccumulation potential	
propan-2-ol	BCF	3
	Pow Log	0.05
	Potential	Low

12.4 Mobility in soil

Identification	Absorption/desorption		Volatility	
propan-2-ol	Koc	1.5	Henry	8.207E-1 Pa·m ³ /mol
	Conclusion	Very high	Dry soil	Yes
	Surface tension	2.24E-2 N/m (25 °C)	Moist soil	Yes

12.5 Results of PBT and vPvB assessment

The substance does not meet the PBT/vPvB criteria.

12.6 Endocrine disrupting properties

The product does not meet the criteria.

12.7 Other adverse effects

Not described

13. DISPOSAL CONSIDERATIONS

There are no product-specific restrictions, however, local council and resource consent conditions may apply, including requirements of trade waste consents.

Disposal method:

Disposal of this product must comply with the Hazardous Substance (Disposal) Notice 2017 and the requirements of the Resource Management Act for which approval should be sought from the Regional Authority. The substance must be treated and therefore rendered non-hazardous before discharge to the environment.

Contaminated Packaging:

Disposal of contaminated packaging must comply with the Hazardous Substance (Disposal) Notice 2017 clause 12. Do not puncture or incinerate containers. Send empty canister to landfill.

14. TRANSPORT INFORMATION

Land Transport Rule: Dangerous Goods 2005 – NZS 5433:2007

Transport according to NZS 5433 (Transport of Hazardous Substance on Land) – Considered a dangerous good for transport.

14.1	UN number or ID number ADR 2023 and RID 2023, IMDG 41-22, IATA/ICAO 2024	UN1950
14.2	UN proper shipping name ADR 2023 and RID 2023, IMDG 41-22, IATA/ICAO 2024	AEROSOLS
14.3	Transport hazard class(es) ADR 2023 and RID 2023, IMDG 41-22, IATA/ICAO 2024	 Class Label 2 2.1
14.4	Packing group ADR 2023 and RID 2023, IMDG 41-22, IATA/ICAO 2024	Not applicable
14.5	Environmental hazards Marine pollutant	No
14.6	Special precautions for user <u>ADR 2023 and RID 2023</u> Special regulations Tunnel restriction code Limited Quantities <u>IMDG 41-22</u> Special regulations EmS Codes Limited Quantities <u>IATA/ICAO 2024</u> Special regulations	190, 327, 344, 625 D 1L 63, 959, 190, 277, 327, 344 F-D, S-U 1L N/A
14.7	Physico-chemical properties ADR 2023 and RID 2023, IMDG 41-22, IATA/ICAO 2024	See section 9
14.8	Maritime transport in bulk according to IMO instruments	N/A

15. REGULATORY INFORMATION

This product is an approved substance under the Hazardous Substances and New Organisms Act (HSNO). Approval code: HSR002515, Aerosol (Flammable) Group Standard 2020.

In **New Zealand**, this product is regulated under the **HSNO Act 1996** and must comply with the requirements of the Environmental Protection Authority (EPA).

In Australia, this product is classified according to the **Globally Harmonized System of Classification and Labelling of Chemicals (GHS)** and regulated under the **Model Work Health and Safety (WHS) Laws**.

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Exposure scenarios:

This SDS has one annex which includes the Exposure Scenarios developed in the Chemical Safety Assessment.

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer
STOT SE: Specific Target Organ Toxicity – Single Exposure.
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

Review

Date Issue: March 2025

Version Number: 2.0

Next Review Date: March 2030

Disclaimer

This SDS is prepared by Shoof International and is based on our current state of knowledge, including information obtained from the supplier. The SDS is given in good faith and constitutes a guideline (not guarantee of Safety). The level of risk each substance poses is relevant to its properties (as summarised in the SDS) **AND HOW THE SUBSTANCE IS USED**. While guidelines are given for personal protective equipment, such precautions must be relevant to the use. The likely HSNO and GHS classification for this SDS has been estimated based on general information from the supplier (such as hazard, toxicological).