

## 1. IDENTIFICATION OF SUBSTANCE & COMPANY

This product is an approved substance under the Hazardous Substances and New Organisms Act (HSNO, Approval **HSR100757**, Veterinary Medicines (Limited Pack Size, Finished Dose) Group Standard 2017.

### Product

Product Name	<b>Hoofers Glue Liquid 18ml NS (SKU: 224054)</b>  Related SKU: <b>224157 – Hoofe Refill Left Blue (5pk)</b> <b>224158 – Hoofe Refill Right Orange (5pk)</b> <b>224156 – Hoofers Starter Kit L&amp;R Mixed (10pk)</b>
HSNO Approval	HSR100757
Approval Description	Veterinary Medicines (Limited Pack Size, Finished Dose) Group Standard 2017
Intended Use	Liquid component of adhesive for attachment of therapeutic shoes for the treatment of lameness in dairy cows
UN Number	1993
DG Class Packaging Group	3

### Supplier Details

Company	<b>Shoof International Ltd</b>	
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.

### Classification



#### Hazard Classes

Flammable Liquid Category 2

Acute Toxicity (inhalation) Category 4

Skin Irritation Category 2

Eye Irritation Category 2

Skin Sensitisation – Category 1

Carcinogenicity Category 1A

Reproductive Toxicity Category 2

STOT SE (Respiratory) Category 3

#### Hazard Statements

**H225** – Highly Flammable liquid and vapour

**H332** – Harmful if inhaled

**H315** – Causes skin irritation

**H319** – Causes serious eye irritation

**H317** – May cause an allergic skin reaction

**H350** – May cause cancer

**H361** – Suspected of damaging fertility or the unborn child.

**H335** – May cause respiratory irritation

STOT RE Category 2

**H373** – May cause damage to organs through prolonged or repeated exposure.  
Specific target organs: (blood stream, respiratory system).

### Precautionary Statements

Signal word: **DANGER**

Precautionary Statements:	<b>P201</b>	Obtain special instructions before use.
	<b>P202</b>	Do not handle until all safety precautions have been read and understood.
	<b>P210</b>	Keep away from heat, sparks, open flames, and other ignition sources. No smoking.
	<b>P233</b>	Keep container tightly closed.
	<b>P235</b>	Keep cool.
	<b>P240</b>	Ground/bond container and receiving equipment.
	<b>P241</b>	Use explosion-proof electrical equipment, ventilating, light, equipment.
	<b>P242</b>	Use only non-sparking tools.
	<b>P243</b>	Take action to prevent static discharges.
	<b>P264</b>	Wash thoroughly after handling.
	<b>P271</b>	Use only outdoors or in a well-ventilated area.
	<b>P272</b>	Contaminated work clothing should not be allowed out of the workplace.
	<b>P280</b>	Wear protective gloves/eye/face protection.
	<b>P301+P312</b>	<b>IF SWALLOWED:</b> Call a poison centre/ doctor if you feel unwell.
	<b>P302+P352</b>	<b>IF ON SKIN:</b> Wash with plenty of soap and water.
	<b>P303+P361+P353</b>	<b>IF ON SKIN (or hair):</b> Remove, take off immediately all contaminated clothing. Rinse skin with water, shower.
	<b>P304+P340</b>	<b>IF INHALED:</b> Remove person to fresh air and keep comfortable for breathing.
	<b>P305+P351+P338</b>	<b>IF IN EYES:</b> Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
	<b>P312</b>	Call a POISON CENTRE or doctor/physician if you feel unwell.
	<b>P333+P313</b>	If skin irritation or rash occurs: Get medical advice/attention.
	<b>P337+P313</b>	If eye irritation persists: Get medical advice or attention.
	<b>P362+P364</b>	Take off contaminated clothing and wash it before reuse.
	<b>P370+P378</b>	In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.
Storage:	<b>P403+P233</b>	Store in a well-ventilated place. Keep container tightly closed.
	<b>P403+P235</b>	Store in well-ventilated place. Keep cool.
	<b>P405</b>	Store locked up
Disposal:	<b>P501</b>	Dispose of contents in accordance with local and national regulations.

### Other hazards:

This product contains no PBT/vPvB/vPvM chemicals.

This product contains no endocrine disrupting chemicals.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance name	CAS- No.	Weight (%)
Propenoic acid, 2-methyl, methyl ester	80-62-6	>60%
2-Hydroxyethyl ethacrylate	868-77-9	10-<30%
Benzenamine, N,N,4-trimethyl-	99-97-8	<10%

*This is a commercial product whose exact ratio of components may vary. Trace quantities of impurities are also likely.*

### 4. FIRST AID

#### 4.1 General Information

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

#### 4.2 Description of First Aid Measures

- After Inhalation: Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. In unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
- After Ingestion: If swallowed, obtain immediate medical attention. Keep at rest., Do NOT induce vomiting.
- After Skin Contact: Remove contaminated clothing. Wash affected area thoroughly with plenty of soap and water or use a recognised skin cleanser.
- After Eye Contact: Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
- Advice to doctor: Treat symptomatically.

#### 4.3 Most important symptoms and effects, both acute and delayed

**Inhalation:** Harmful if inhaled. May cause respiratory irritation.

**Eye:** Cause serious eye irritation.

**Skin:** May cause an allergic skin reaction. Causes skin irritation.

**Ingestion:** May be harmful if swallowed.

### 5. FIREFIGHTING MEASURES

#### 5.1 Extinguishing Media

Alcohol resistant foam is the preferred medium. If not available, use Normal Protein Foam.

#### 5.2 Special hazards arising from the substances or mixture

Hazardous decomposition: methyl methacrylate may release oxides of carbon.

Note that some substances with Hazchem Code 3Y can be violently or even explosively reactive, including combustion.

Keep away from heat, sparks, open flames, and other ignition sources – no smoking.

Keep container tightly closed.

Keep cool.

Ground, bond container and receiving equipment.

Use explosion-proof electrical, ventilating, light, equipment.

Use only non-sparking tools.

Take action to prevent static discharges.  
Do not breathe dust, fumes, mist, vapours or spray.

**HAZCHEM Code:** 3YE

### 5.3 Advice for Firefighters

AS with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions

Put on appropriate personal protective equipment (see section 8).  
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

### 6.2 Environmental precautions

Do not allow spills to enter drains or waterways.

### 6.3 Methods for cleaning up

#### Spills and Disposal

Ventilate the area and avoid breathing vapours. Take the personal protective measures listed in section 8. Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations.

### 6.4 Reference to other sections

See sections 1 for emergency contact information, section 8 for information of PPE and section 13 for disposal information.

## 7. STORAGE HANDLING

#### **Precaution for safe handling**

Handle containers carefully to prevent damage and spillage.  
Keep out of reach of children. Avoid contact with skin, eyes and inhalation of vapours. Use personal protective equipment as required.  
Do not smoke when handling this product. Use non-sparking material for electrical wiring and lighting units.  
See section 2 for further details.

#### **Storage**

Store in original container tightly closed and in a locked, dry, cool, well-ventilated area away from foodstuffs. Keep away from heat, sparks and flames.

#### **Incompatible materials**

No available information

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTIVE EQUIPMENT

### 8.1 Exposure Control Limits

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

Workplace Exposure Std	Ingredient	WES-TWA	WES-STEL
New Zealand / Australia	Methyl methacrylate (80-62-6)	50ppm, 208 mg/m <sup>3</sup>	100ppm, 416mg/m <sup>3</sup>

CAS No	Ingredient	Source	Value
80-62-6	Propenoic acid, 2-methyl- methyl ester	OSHA	100 ppm, 410 mg/m <sup>3</sup>
		ACGIH	50ppm 100 ppm
		NIOSH	TWA 100ppm (410 mg/m <sup>3</sup> )
99-97-8	Benzenamine, N,N,4-trimethyl	OSHA	No established Limit
		ACGIH	No established Limit
		NIOSH	No established Limit
868-77-9	2-Hydroxyethyl methacrylate	OSHA	No established Limit
		ACGIH	No established Limit
		NIOSH	No established Limit

## 8.2 Exposure Controls

### Respiratory

If workers are exposed to concentrations above the exposure limit, they must use the appropriate, certified respirators.

### Eyes

Wear safety glasses with side shields to protect the eyes. An eye wash station is suggested as a good workplace practice.

### Skin

Avoid skin contact. Wear PVC or rubber gloves to keep skin contact to a minimum. Refer to the manufacturer's recommendations regarding the suitability of any gloves used.

### Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapours below the occupational exposure limits, suitable respiratory protection must be worn.

### Other work practices

Use good hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

## 9. PHYSICAL & CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

GENERAL INFORMATION	
Appearance	Colourless liquid
Solubility in water	Negligible
Flash Point	10°C (Test Method: Closed cup)
pH	Not applicable

## 10. STABILITY & REACTIVITY

### 10.1 Reactivity

Hazardous Polymerisation will not occur.

### 10.2 Chemical Stability

Stable under normal circumstances.

### 10.3 Possibility of hazardous reactions

No available information

### 10.4 Conditions to avoid

Avoid high temperatures and contact with incompatible material.

### 10.5 Incompatible materials

Acid, bases, strong oxidising agents.

### 10.6 Hazardous decomposition products

No hazardous decomposition data available.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 General remark

#### Acute toxicity

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the products ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapour LC50, mg/L/4hr	Inhalation Dust/mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Propenoic acid, 2-methyl- methyl ester (80-62-6)	7,900.00, Rat – Category: NA	>5,000.00, Rabbit Category: NA	29.80, Rat – Category: NA	No data available	No data available
Benzenamine, N,N,4-trimethyl (99-97-8)	140.00, Rat – Category: 3	No data available	No data available	1.40, Rat – Category: 4	No data available
2-Hydroxyethyl methacrylate (868-77-9)	5,564.00, Rat – Category: NA	>5,000.00, Rabbit Category: NA	No data available	No data available	No data available

#### Carcinogen Data:

CAS No	Ingredient	Source	Value
80-62-6	Propenoic acid, 2-methyl- methyl ester	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes
		ACGIH	A4
99-97-8	Benzenamine, N,N,4-trimethyl	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No

		ACGIH	No established limit
<b>868-77-9</b>	2-Hydroxyethyl methacrylate	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No
		ACGIH	No limited established

Classification	Category	Hazard Description
Acute Toxicity (oral)	-	-
Acute Toxicity (dermal)	-	-
Acute Toxicity (inhalation)	4	Harmful if inhaled
Skin corrosion / irritation	2	Causes skin irritation
Serious eye damage / irritation	2	Causes serious eye irritation
Respiratory sensitisation	-	-
Skin sensitisation	1	May cause an allergic skin reaction
Germ Cell mutagenicity	-	-
Carcinogenicity	1A	May cause cancer
Reproductive toxicity	2	Suspected of damaging fertility or the unborn child
STOT-single exposure	-	-
STOT-repeated exposure		
Aspiration hazard	-	-

## 12. ECOLOGICAL DATA

### 12.1 Toxicity

No additional information provided for this product. See section 3 for chemical specific data.

### Aquatic Ecotoxicity:

No additional information provided for this product. See section 3 for chemical specific data.

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea mg/L	ErC50 algae mg/L
Propenoic acid, 2-methyl- methyl ester (80-62-6)	833.00, Scophthalmus maximus	69.00, Daphnia magna	>110.00 raphidocelis subcapitata
Benzenamine, N,N,4-trimethyl	52.80, Pimephales promelas	15.26, Daphnia magna	22.00, Chlorella pyrenoidosa
2-Hydroxyethyl methacrylate	>100.00 Oryzias latipes	380.00, Daphnia magna	345.00, raphidocelis subcapitata

### 12.1 Persistence and degradability

There is no data available on the preparation itself.

### 12.2 Bioaccumulative potential

No available information.

### 12.3 Mobility in soil

No available information.

### 12.4 Results of PBT and vPvB Assessment

This product contains no PBT.vPvB/VPvM chemicals.

## 12.5 Endocrine disrupting properties

This product contains no endocrine disrupting chemicals.


## 12.6 Other adverse effects

No available information

## 13. DISPOSAL CONSIDERATIONS

Observe all federal, state, and local regulations when disposing of this substance.

## 14. TRANSPORT INFORMATION

14.1	<b>UN number or ID number</b> ADR/RID, IMO/ IMDG, ICAO/IATA	UN1993
14.2	<b>UN proper shipping name</b> ADR/RID, IMO/ IMDG, ICAO/IATA	Flammable liquids, n.o.s. (Propenoic acid, 2-methyl-, methyl ester)
14.3	<b>Transport hazard class(es)</b> ADR/RID, IMO/ IMDG, ICAO/IATA  <b>Class</b>  <b>Label</b>	3 
14.4	<b>Packing group</b> ADR/RID, IMO/ IMDG, ICAO/IATA	II
14.5	<b>Environmental hazards</b> Marine pollutant	No
14.6	<b>Special precautions for user</b>	N/A
14.7	<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	N/A

## 15. REGULATORY INFORMATION

Classification in accordance with GHS revision 7 and New Zealand EPA'S Hazardous Substance and New Organism (HSNO) and WorkSafe's Health and Safety at Work Act (HSWA) regulations.

No Chemical Safety Assessment has been carried out.

## 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.

### Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road).

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society).



**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).