

1. Identification of Substance & Company

Product

Product name	Pinkeye Patches Extra Glue
Product code	205149
HSNO approval	HSR100757
Approval description	Veterinary Medicines (Limited Pack Size, Finished Dose) Group Standard 2017
UN number	1133
DG class	3
Proper Shipping Name	ADHESIVES, containing flammable liquid
Packaging group	II
Hazchem code	3YE
Uses	Pinkeye Patches Glue

Company 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	+61 3 9907 3000
Fax	+64 7 823 0651	+61 3 9310 4760
Website	www.shoof.co.nz	www.shoof.com.au

NZ Emergency Telephone Number: 0800 POISON (0800 764 766)
Poisons Information Centre – Australia: 13 11 26

2. Hazard Identification

Approval

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

Classes

Hazard Statements

3.1B	H225 - Highly flammable liquid and vapour.
6.1E (aspiration)	H304 - May be fatal if swallowed and enters airways.
6.3B	H316 - Causes mild skin irritation.
6.4A	H319 - Causes serious eye irritation.
6.9A	H372 - Causes damage to organs through prolonged or repeated exposure
6.9B (narcotic)	H336 - May cause drowsiness or dizziness.
9.1B	H411 - Toxic to aquatic life with long lasting effects.

SYMBOLS

DANGER



GHS classifications

Classes

Hazard Statements

Flammable liquid cat 2	H225 - Highly flammable liquid and vapour.
Aspiration cat 1	H304 - May be fatal if swallowed and enters airways.
Skin irritation cat 3	H316 - Causes mild skin irritation.
Eye irritation cat 2	H319 - Causes serious eye irritation.
STOT RE cat 1	H372 - Causes damage to organs through prolonged or repeated exposure
STOT SE cat 3	H336 - May cause drowsiness or dizziness.
Aquatic chronic cat 2	H411 - Toxic to aquatic life with long lasting effects.

Precautionary Statements

- P101 - If medical advice is needed, have product container or label at hand.
 P102 - Keep out of reach of children.P103 - Read label before use.
 P210 - Keep away from ignition sources. No smoking.
 P233 - Keep container tightly closed.
 P240 - Ground/bond container and receiving equipment.
 P241 - Use explosion-proof electrical equipment.
 P242 - Use only non-sparking tools.
 P243 - Take precautionary measures against static discharge.
 P260 - Do not breathe vapours.
 P264 - Wash hands thoroughly after handling.
 P270 - Do not eat, drink or smoke when using this product.
 P271 - Use only outdoors or in a well-ventilated area.
 P273 - Avoid release to the environment.
 P280 - Wear protective gloves/eye/face protection.
- P301+P310 - IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.
 P331 - Do NOT induce vomiting."
 P332+P313 - If skin irritation occurs: Get medical advice/ attention.
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 - If eye irritation persists: Get medical advice/attention.
 P314 - Get medical advice/attention if you feel unwell.
 P307+P311 - IF exposed: Call a POISON CENTRE or doctor/physician.
 P304+P340 - IF INHALED: Remove 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.
 P391 - Collect spillage.
 P403+P235 - Store in a well-ventilated place. Keep cool.
 P405 - Store locked up.
 P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
 P405 - Store locked up.
 P501 - Dispose of contents/container in accordance with local/regional/national/international regulation.

3. Composition / Information on Ingredients

Component	CAS/ Identification	Conc (%)
Rosin	2246493	35-45%
Styrene butadiene copolymer	9003-55-8	15-20%
Hexane	110-54-3	14-32%
Hexane, other isomers	mixture	11-27%
Methylcyclopentane	96-37-7	4-14%
calcium carbonate	471-34-1	1-2%
heptane	142-82-5	0.1-0.5%
cyclohexane	110-82-7	0.1-0.5%
hydrotreated heavy paraffinic distillate	64742-54-7	0-2%

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

4. First Aid

General Information

If medical advice is needed, have product container or label at hand. You should call the National Poisons Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 0800 764 766 (0800 POISON) (24 hr emergency service).

Recommended first aid facilities Ready access to running water is required. Accessible eyewash is required.

Exposure

- Swallowed** IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting. Give a glass of water to drink. Contact a doctor if experiencing any symptoms.
- Eye contact** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- Skin contact** IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention. Take off contaminated clothing and wash before re-use.

Inhaled IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician if you feel unwell.

Advice to Doctor

If ingested, this material presents a significant aspiration and chemical pneumonitis hazard. Induction of emesis is not recommended. Consider activated charcoal and/or gastric lavage. If patient is obtunded, protect the airway by cuffed endotracheal intubation or by placement of the body in a Trendelenburg and left lateral decubitus position

5. Firefighting Measures

Fire and explosion hazards: Vapours may form an explosive mixture in air which can be ignited by many sources such as pilot lights, open flames, electrical motors, switches and static electricity.

Suitable extinguishing substances: Carbon dioxide, extinguishing powder, foam.

Unsuitable extinguishing substances: Unknown.

Products of combustion: Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water. May form toxic mixtures in air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures.

Protective equipment: Self-contained breathing apparatus. Safety boots, non-flammable overalls, gloves, hat and eye protection.

Hazchem code: 3YE

6. Accidental Release Measures

Containment If greater than 1000L is stored, secondary containment and emergency plans to manage any potential spills must be in place. In all cases design storage to prevent discharge to storm water.

Emergency procedures In the event of spillage alert the fire brigade to location and give brief description of hazard. Stop the source of the leak, if safe to do so. Shut off all possible sources of ignition. Wear protective equipment to prevent skin, eye and respiratory exposure. Clear area of any unprotected personnel. Contain using sand, earth or vermiculite. Do not use sawdust. Prevent by whatever means possible any spillage from entering drains, sewers, or water courses. (If this occurs contact your regional council immediately).

Clean-up method Use absorbent (soil, sand or other inert material). Rags are not recommended for the clean-up of spills, as they may create fire or environmental hazard. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

Disposal Mop up and collect recoverable material into labelled containers for recycling or salvage. Recycle containers wherever possible. This material may be suitable for approved landfill. Dispose of only in accord with all regulations.

Precautions Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation.

7. Storage & Handling

Storage Avoid storage of harmful substances with food. Store out of reach of children. Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames. Avoid contact with incompatible substances as listed in Section 10. Location compliance certificates must be available if storing >100 L (closed containers greater than 5 L), 250 L (closed containers up to and including 5 L), 50 L (open containers). Containers (and outer packaging) must bear the prescribed labelling, including the Hazchem code, UN number, flammability warning and name of contents.

Handling Keep exposure to a minimum, and minimise the quantities kept in work areas. See section 8 with regard to personal protective equipment requirements. Avoid skin and eye contact and inhalation of vapour, mist or aerosols.

8. Exposure Controls / Personal Protective Equipment

Workplace Exposure Standards

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.

NZ Workplace Exposure Stds	Ingredient	WES-TWA	WES-STEL
	Hexane	20ppm, 72mg/m ³	data unavailable
	Calcium carbonate	10mg/m ³	data unavailable
	Heptane	400ppm, 1640mg/m ³	500ppm, 2050mg/m ³

Engineering Controls

In industrial situations, it is expected that employee exposure to hazardous substances will be controlled to a level as far below the WES as practicable by applying the hierarchy of control required by the Health and Safety at Work Act (2015) and the Health and Safety at Work (General Risk and Workplace Management) Regulations 2016. Exposure can be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high, you are advised to modify processes or increase ventilation.

Personal Protective Equipment

Eyes



Avoid contact with eyes. Use safety glasses and or chemical splash goggles if splashes are possible. Select eye protection in accordance with AS/NZS 1337.

Skin



Avoid any skin contact. Wear overalls, rubber boots and impervious gloves. Butyl or nitrile gloves are recommended. Protective gloves or suitably resistant material must comply with AS 2161. Replace frequently. Gloves should be checked for tears or holes before use. Protective clothing must comply with AS 2919, AS3765.1 or AS3765.2. PVC or rubber boots must comply with AS/NZS 2210.2 and selected and maintained in accordance with AS/NS2210.1. Remove protective clothing and wash exposed areas with soap and water prior to eating, drinking or smoking.

Respiratory



A respirator when airborne concentrations approach the WES (section 8). Respirators must have filters appropriate to the duty and comply with AS/NZS1716 and selected, used and maintained in accordance with AS/NS 1715. Use an organic vapour cartridge with a particulate filter (dust/mist). If using a respirator, ensure that the cartridges are 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.

WES Additional Information

Not applicable

9. Physical & Chemical Properties

Appearance	tan coloured liquid
Odour	hydrocarbon odour
pH	no data
Vapour pressure	18.7kPa (140mmHg)
Viscosity	not determined
Boiling point	66-70°C
Volatile materials	38-42%
Freezing / melting point	-96 to -94°C
Solubility	not miscible in water, or difficult to mix
Specific gravity / density	no data
Flash point	-18°C
Danger of explosion	no data
Auto-ignition temperature	252°C
Upper & lower flammable limits	LEL: 1.0 vol %, UEL: 7.4 Vol %
Corrosiveness	non corrosive

10. Stability & Reactivity

Stability	Stable
Conditions to be avoided	Flammable substance. Keep away from sources of ignition at all times. Containers should be kept closed in order to avoid contamination.
Incompatible groups	Strong oxidisers, strong acids and alkalis
Substance Specific Incompatibility	none known
Hazardous decomposition products	Oxides of carbon and nitrogen.
Hazardous reactions	none known

11. Toxicological Information

Summary

IF SWALLOWED: Ingestion of this mixture may product gastrointestinal irritation with pain, vomiting and diarrhoea. The hydrocarbon solvent poses a risk of aspiration into the lungs following oral exposure (bronchopneumonia) and aspiration of small amount may be fatal.

IF IN EYES: causes eye irritation.

IF ON SKIN: causes skin irritation. May dry out skin.

IF INHALED: Can cause central nervous system(CNS) depression. May cause drowsiness and dizziness. Adverse symptoms may include the following: nausea or vomiting, headache, drowsiness/fatigue, dizziness/vertigo, and unconsciousness.

CHRONIC TOXICITY

Supporting Data

Acute	Oral	Using LD ₅₀ 's for ingredients, the Acute Toxicity Estimate (ATE) (oral) for the mixture is >5,000 mg/kg. Data considered includes: Rosin 7600mg/kg (rat), Hexane 25000mg/kg (rat), calcium carbonate 6450mg/kg (rat), cyclohexane 813 mg/kg (mouse), hydrotreated heavy paraffinic distillate >15g/kg (rat).
	Dermal	Using LD ₅₀ 's for ingredients, the Acute Toxicity Estimate (ATE) (dermal) for the mixture is >5000 mg/kg. Data considered includes: Rosin 2500mg/kg (rabbit), hydrotreated heavy paraffinic distillate >5g/kg (rabbit)
	Inhaled	Using LD ₅₀ 's for ingredients, the Acute Toxicity Estimate (ATE) (inhalation) for the mixture is >5mg/L/4h. Data considered includes: Hexane 48000ppm/4h (rat), Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane no data, Methylcyclopentane no data, calcium carbonate data unavailable, heptane data unavailable, cyclohexane 13.9 mg/l (rat, vapour inhalation); , hydrotreated heavy paraffinic distillate no data
	Eye	The mixture is considered to be an eye irritant, because some of the ingredients present are considered eye irritants in more concentrated form.
	Skin	The mixture is considered to be a skin irritant, because some of the ingredients present are considered skin irritants in more concentrated form.
	Chronic	Sensitisation
Mutagenicity		No ingredient present at concentrations > 0.1% is considered a mutagen.
Carcinogenicity		No ingredient present at concentrations > 0.1% is considered a carcinogen.
Reproductive / Developmental Systemic		No ingredient present at concentrations > 0.1% is considered a reproductive or developmental toxicant or have any effects on or via lactation.
	Aggravation of existing conditions	The mixture is considered to be a target organ toxicant. Hexane is known to affect the peripheral nervous system. Heptane may affect the central nervous system. Vapours may cause dizziness and drowsiness. None known.

12. Ecological Data

Summary

This mixture is considered toxic towards aquatic organisms with long lasting effects.

Supporting Data

Aquatic	Using EC ₅₀ 's for ingredients, the calculated EC ₅₀ for the mixture is between 1 and 10 mg/L. Data considered includes: Hexane 2.50mg/L (96hr, Fathead minnow), 3.9mg/L (48hr, Daphnia magna), Heptane 1.5 mg/l 948hr, Daphnia magna).
Bioaccumulation	Hexane may be bioaccumulative.
Degradability	No data
Soil	No evidence of soil toxicity.
Terrestrial vertebrate	This mixture is not classed as 9.3. See acute toxicity.
Terrestrial invertebrate	No evidence of toxicity towards terrestrial invertebrates.
Biocidal	no data
Environmental effect levels	No EELs are available for this mixture or ingredients

13. Disposal Considerations

Restrictions	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 Substances (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 Substances (Disposal) Notice 2017 clause 12. Ensure that the package is rendered incapable of

containing any substance and is disposed in a manner that is consistent with the requirements of the substance it contained and the material of the package. If possible reuse or recycle packaging.

14. Transport Information

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

UN number:	1133	Proper shipping name:	ADHESIVES, containing flammable liquid
Class(es)	3	Packing group:	II
Precautions:	Ecotoxic.	Hazchem code:	3YE

15. Regulatory Information

Specific Controls

Key workplace requirements are:

SDS	To be available within 10 minutes in workplaces storing any <i>quantity</i> .
Inventory	An inventory of all hazardous substances must be prepared and maintained.
Packaging	All hazardous substances should be appropriately <i>packaged including substances that</i> have been decanted, transferred or manufactured for own use or have been supplied
Labelling	Must comply with <i>the Hazardous Substances (Labelling) Notice 2017</i> .
Emergency plan	Required if > 1000L is stored.
Certified handler	Required if > <i>not required is handled</i> or stored.
Tracking	This substance is <i>required to be tracked</i> if > not required is present.
Bundling & secondary containment	Required if > <i>1000L is stored</i> .
Signage	Required if > 250 L <i>is stored</i> .
Location compliance certificate	Required if > 100 L (closed containers greater than 5 L), 250 L (closed containers up to and including 5 L), 50 L (open containers) is stored.
Flammable zone	Must be established if > 100 L (closed containers), 25 L (decanting), 5 L (open occasionally), 1 L (open containers in continuous use) is stored.
Fire extinguisher	If > 250 L present.

Note: The above workplace requirements apply if only this particular substance is present. The complete set of controls for a location will depend on the classification and total quantities of other substances present in that location.

Other Legislation

In New Zealand, the use of this product may come under the Resource Management Act and Regulations, the Health and Safety at Work Act 2015 and the Health and Safety at Work (General Risk and Workplace Management) Regulations 2016, local Council Rules and Regional Council Plans.

16. Other Information

Abbreviations

Approval Code	Approval HSR100757, Veterinary Medicines (Limited Pack Size, Finished Dose) Group Standard 2017 Controls, EPA. www.epa.govt.nz
CAS Number	Unique Chemical Abstracts Service Registry Number
EC₅₀	Ecotoxic Concentration 50% – concentration in water which is fatal to 50% of a test population (e.g. daphnia, fish species)
EPA	Environmental Protection Authority (New Zealand)
HAZCHEM Code	Emergency action code of numbers and letters that provide information to emergency services, especially fire fighters
HSNO	Hazardous Substances and New Organisms (Act and Regulations)
IARC	International Agency for Research on Cancer
LEL	Lower Explosive Limit
LD₅₀	Lethal Dose 50% – dose which is fatal to 50% of a test population (usually rats).
LC₅₀	Lethal Concentration 50% – concentration in air which is fatal to 50% of a test population (usually rats)
NZIoC	New Zealand Inventory of Chemicals
MSDS (SDS)	Material Safety Data Sheet (or Safety Data Sheet)
STEL	Short Term Exposure Limit - The maximum airborne concentration of a chemical or biological agent to which a worker may be exposed in any 15 minute period, provided the TWA is not exceeded
TWA	Time Weighted Average – generally referred to WES averaged over typical work day (usually 8 hours)
UEL	Upper Explosive Limit

UN Number
WES

United Nations Number
Workplace Exposure Standard - The airborne concentration of a biological or chemical agent to which a worker may be exposed during work hours (usually 8 hours, 5 days a week). The WES relates to exposure that has been measured by personal monitoring using procedures that gather air samples in the worker's breathing zone.

References

Data

Unless otherwise stated comes from the EPA HSNO chemical classification information database (CCID).

Controls

EPA notices, www.epa.govt.nz, Health and Safety at Work (Hazardous Substances) Regulations 2017, www.legislation.govt.nz

WES

The latest NZ Workplace Exposure Standards, published by WorkSafe NZ and available on their web site – www.worksafe.govt.nz.

Other References:

EU ECHA, ingredients SDS's, ChemIDplus, old SDS

Review

Date

September 2020

Reason for review

Not applicable – new SDS

Disclaimer

This SDS was prepared by Datachem LTD and is based on our current state of knowledge, including information obtained from suppliers. The SDS is given in good faith and constitutes a guideline (not a 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 classifications for this SDS have been estimated based on general information from the supplier (e.g., hazard, toxicological). This SDS is copyright Datachem and must not be copied, edited or used for other than intended purpose. To contact the SDS author, email info@datachem.co.nz or phone: +64 9 940 30 80.

