



The Hoofcare Experts

SAFETY DATA SHEET

Keratex 3-part Hoof Repair - Epoxy resin

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name Keratex 3-part Hoof Repair - Epoxy resin.
CAS No. 25068-38-6
EC No. 500-033-5
REACH Registration No. 01-2119456619-26-XXXX

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s) Part of an epoxy filler on kit for repairing horses' hooves.
Uses Advised Against None known.

1.3 Details of the supplier of the safety data sheet

Company Identification Penleigh Irving Ltd.
Address Unit 7 Fairwood Trading Estate
Dilton Marsh, Wiltshire
United Kingdom
Postal code BA13 4SW
Telephone +44 (0)1373 827 649
Fax +44 (0)1373 827 007
E-mail info@keratex.com

1.4 Emergency telephone number

Emergency Phone No. +44 (0)7969 467 388
Contact Company

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP) Aquatic Chronic 2 :Toxic to aquatic life with long lasting effects.
Eye Irrit. 2 :Causes serious eye irritation.
Skin Irrit. 2 :Causes skin irritation.
Skin Sens. 1 :May cause an allergic skin reaction.

2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)
Product Name Keratex 3-part Hoof Repair - Epoxy resin.

Hazard Pictogram(s)



GHS07



GHS09

Signal Word(s)

Warning.



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Hazard Statement(s)	H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H411: Toxic to aquatic life with long lasting effects. EUH205: Contains epoxy constituents. May produce an allergic reaction.
Precautionary Statement(s)	P261: Avoid breathing vapours. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P302+P352: IF ON SKIN: Wash with plenty of water. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

2.3 Other hazards

None known.

2.4 Additional Information

For full text of H/P Statements see section 16.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Reaction product: bisphenol-A-(epichlorhydrin)	25068-38-6	500-033-5 01-2119456619-26-XXXX	90-100	Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Irrit. 2 H319 Aquatic Chronic 2 H411	GHS07 GHS09

3.2 Mixtures

Not applicable.

4. SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin Contact	Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.
Eye Contact	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.
Ingestion	Wash out mouth with water.



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4.2 Most important symptoms and effects, both acute and delayed

None anticipated.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

5. SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media As appropriate for surrounding fire. Extinguish preferably with foam, carbon dioxide or dry chemical.

Unsuitable extinguishing media Water jet spray.

5.2 Special hazards arising from the substance or mixture

Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide, Phenols.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Dike fire control water for later disposal.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Avoid breathing vapours. Wear appropriate personal protective equipment, avoid direct contact. Contaminated work clothing should not be allowed out of the workplace.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Contain and cover spilled substance with dry sand or earth or other suitable dry material. Collect spillage. Transfer to a lidded container for disposal or recovery.

6.4 Reference to other sections

See Also Section 8, 13.

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures. Avoid breathing vapours. Avoid contact with skin and eyes. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands and exposed skin thoroughly after handling. Take off contaminated clothing and wash it before reuse.



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7.2 Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated place.

Storage temperature

Ambient.

Storage life

Stable under normal conditions.

Incompatible materials

Organic peroxide, Strong Acids, Alkalis, Amines.

7.3 Specific end use(s)

Part of an epoxy filler on kit for repairing horses' hooves.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
						None assigned

Source WEL: Workplace Exposure Limit (UK HSE EH40)

DNEL / DMEL	Oral	Inhalation	Dermal
Industry - Long Term - Local effects			
Industry - Long Term - Systemic effects		12.25 mg/m ³	8.33 mg/kg /day
Industry - Short term - Local effects			
Industry - Short term - Systemic effects		12.25 mg/m ³	8.33 mg/kg /day
Consumer - Long Term - Local effects			
Consumer - Long Term - Systemic effects			
Consumer - Short term - Local effects			
Consumer - Short term - Systemic effects			

Environment	PNEC
Aquatic Compartment (including sediment)	Fresh water : 0.006 mg/l , Sea water : 0.0006 mg/l , Fresh water (Sedimentation) : 0.996 mg/kg , Sea water (Sedimentation) : 0.0996 mg/kg
Terrestrial Compartment	Sewage Treatment Plant: 10 mg/l
Atmospheric Compartment	

8.2 Exposure controls

8.2.1. Appropriate engineering controls Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment



Eye Protection

Wear protective eye glasses for protection against liquid splashes.



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Skin protection

Wear protective gloves.



Respiratory protection

Normally no personal respiratory protection is necessary.

Wear suitable respiratory protective equipment if exposures to high levels of material are likely.



Thermal hazards

Not applicable.

8.2.3. Environmental Exposure Controls Avoid release to the environment.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid. Colour : Yellow.
Odour	Almost odourless.
Odour threshold	Not established.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	320°C @ 760mm Hg
Flash Point	249°C [Closed cup]
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	0.03mm Hg @ 25°C
Vapour density	Not available.
Density (g/ml)	Not available.
Relative density	1.16@ 20°C
Solubility(ies)	Solubility (Water) : Slightly soluble. Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Log Kow: 3.24
Auto-ignition temperature	Not available.
Decomposition Temperature (°C)	Not available.
Viscosity	11-14Pa•s @ 25°C
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

9.2 Other information

None.



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10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

Heat and direct sunlight.

10.5 Incompatible materials

Organic peroxide, Strong Acids, Alkalis, Amines.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion	Low oral toxicity.
Acute toxicity - Skin Contact	Low acute toxicity.
Acute toxicity - Inhalation	Low acute toxicity.
Skin corrosion/irritation	Causes skin irritation. No data.
Serious eye damage/irritation	Causes serious eye irritation. No data.
Skin sensitization data	May cause an allergic skin reaction. No data.
Respiratory sensitization data	Not classified.
Germ cell mutagenicity	There is no evidence of mutagenic potential.
Carcinogenicity	No evidence of carcinogenicity.
Reproductive toxicity	No evidence of reproductive effects.
Lactation	Not classified.
STOT - single exposure	None anticipated.
STOT - repeated exposure	None anticipated.
Aspiration hazard	Not classified.

11.2 Other information

None.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

	Toxic to aquatic life with long lasting effects.
Toxicity - Aquatic invertebrates	EC50 (48 hour) (Daphnia magna) : 1.8mg/l
Toxicity - Fish	LC50 (96 hour) (Rainbow trout) : 2mg/l
Toxicity - Algae	No data.
Toxicity - Sediment Compartment	No data.
Toxicity - Terrestrial Compartment	No data.



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12.2 Persistence and Degradation

The product is poorly biodegradable. The product is likely to persist in the environment.

12.3 Bioaccumulative potential

The product has potential for bioaccumulation.

12.4 Mobility in soil

Slightly soluble in: Water .The product is predicted to have moderate mobility in soil.

12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

12.6 Other adverse effects

Not known.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of this material and its container as hazardous waste. May be disposed of by landfill in accordance with local regulations.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

14.1 UN number

UN No. 3082

14.2 UN proper shipping name

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Contains: EPOXY RESIN)

14.3 Transport hazard class(es)

ADR/RID

ADR/RID Class	9
ADR Classification Code	M6
Special Provisions	274 335 601
Limited Quantities	5 L
Excepted Quantities	E1
Emergency Action Code	•3Z
Mixed Packing Instructions for Packages	P001 IBC03 LP01 R001
Special Packing Provisions for Packages	PP1
Mixed Packing Instructions for Packages	MP19
Packing Instructions for Portable Tanks	T4
Special Provisions for Portable Tanks	TP1 TP29
Tank Code for Tanks	LGBV
Special Provisions for Tanks	Not applicable
Vehicle for Tank Carriage	AT
ADR Transport Category	3



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Tunnel Restriction Code	E
Special Provisions for Carriage - Packages	V12
Special Provisions for Carriage - Bulk	Not applicable
Special Provisions for Carriage - Loading, Unloading and Handling	CV13
Special Provisions for Carriage - Operation	Not applicable
ADR HIN	90
IMDG	
IMDG Class	9
Special Provisions	274 335 601
Limited Quantities	5 L
Excepted Quantities	E1
Mixed Packing Instructions for Packages	P001 IBC03 LP01 R001
Special Packing Provisions for Packages	PP1
Packing Instructions for Portable Tanks	T4
Special Provisions for Portable Tanks	TP1 TP29
IMDG EMS	Not applicable
Stowage and Handling	Not applicable
Segregation	Not determined
ICAO/IATA	
Excepted Quantities	E1
Passenger and Cargo Aircraft Limited Quantities Packing Instructions	Y964
Passenger and Cargo Aircraft Limited Quantities Max net Qty	30Kg
Passenger and Cargo Aircraft Packing Instructions	964
Passenger and Cargo Aircraft Max net Qty	450L
Cargo Aircraft Packing Instructions	964
Cargo Aircraft Max net Qty	450L
Special Provisions	A97, A158
Emergency Response Guidebook (ERG) Code	9L
Labels	9





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14.4 Packing group

Packing group III

14.5 Environmental hazards

Environmental hazards Classified as a Marine Pollutant.

14.6 Special precautions for user

Special precautions for user Not known.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Transport in bulk according to Annex II of No information available

Marpol and the IBC Code

15. SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very Not listed.

High Concern for Authorisation

REACH: ANNEX XIV list of substances Not listed.

subject to authorisation

REACH: Annex XVII Restrictions on the Not listed.

manufacture, placing on the market and

use of certain dangerous substances,

mixtures and articles

Community Rolling Action Plan (CoRAP) Listed: Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) (CAS No.: 25068-38-6)

Regulation (EC) N° 850/2004 of the Not listed.

European Parliament and of the Council

on persistent organic pollutants

Regulation (EC) N° 2037/2000 on Not listed.

substances that deplete the ozone layer

Regulation (EU) N° 649/2012 of the Not listed.

European Parliament and of the Council

concerning the export and import of

hazardous chemicals

National regulations

Other None.

15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.



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16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16

LEGEND

Hazard Pictogram(s)



GHS07



GHS09

Hazard classification

Aquatic Chronic 2 : Hazardous to the aquatic environment, Chronic, Category 2
Eye Irrit. 2 : Serious eye damage/irritation, Category 2
Skin Irrit. 2 : Skin corrosion/irritation, Category 2
Skin Sens. 1 : Skin sensitization, Category 1

Hazard Statement(s)

H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H411: Toxic to aquatic life with long lasting effects.
EUH205: Contains epoxy constituents. May produce an allergic reaction.

Precautionary Statement(s)

P261: Avoid breathing vapours.
P264: Wash hands and exposed skin thoroughly after handling.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321: Specific treatment (see on this label).
P332+P313: If skin irritation occurs: Get medical advice/attention.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
P391: Collect spillage.
P501: Dispose of contents in accordance with local, state or national legislation.



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Acronyms

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS : Chemical Abstracts Service
CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DNEL : Derived No Effect Level
EC : European Community
EINECS : European Inventory of Existing Commercial Chemical Substances
IATA : International Air Transport Association
IBC : Intermediate Bulk Container
ICAO : International Civil Aviation Organization
IMDG : International Maritime Dangerous Goods
LTEL : Long term exposure limit
PBT : Persistent, Bioaccumulative and Toxic
PNEC : Predicted No Effect Concentration
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
RID : Regulations concerning the International Carriage of Dangerous Goods by Rail
STEL : Short term exposure limit
STOT : Specific Target Organ Toxicity
UN : United Nations
vPvB : very Persistent and very Bioaccumulative

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