ACCORDING TO US CFR 1910.1200

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

1.1 Product Identifier
Product Name: Keratex Hoof Gel.
CAS No.: Not applicable.

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified Use(s): Animal care product (for topical application only).
Uses Advised Against: Not 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
Zip 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
Company: +44 (0)7969 467 388
National Capital Poison Control Center, USA: 911 or 1-800-222-1222

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
US CFR 1910.1200:
- Flammable Liquid 3: Flammable liquid and vapor.
- Asp. Tox. 1: May be fatal if swallowed and enters airways.
- Skin Irrit. 2: Causes skin irritation.
- Skin Sens. 1: May cause an allergic skin reaction.
- Eye Irrit. 2A: Causes serious eye irritation.
- STOT SE 3: May cause drowsiness or dizziness.
- STOT RE 1: Causes damage to organs through prolonged or repeated exposure.
- Aquatic Chronic 2: Toxic to aquatic life with long lasting effects.

2.2 Label elements
Product Name: Keratex Hoof Gel
Hazard Pictogram(s):
- GHS02
- GHS08
- GHS07
- GHS09

Signal Word(s): Danger.
Hazard Statement(s):
- H226: Flammable liquid and vapor.
- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H319: Causes serious eye irritation.
- H336: May cause drowsiness or dizziness.
- H372: Causes damage to organs through prolonged or repeated exposure.
- H411: Toxic to aquatic life with long lasting effects.

Precautionary Statement(s):
- P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P260: Do not breathe vapor.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P31: Do NOT induce vomiting.
P501: Dispose of contents in accordance with local, state or national legislation.

2.3 Other hazards
None known.

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
Not applicable.

3.2 Mixtures

<table>
<thead>
<tr>
<th>HAZARDOUS INGREDIENT(S)</th>
<th>CAS No.</th>
<th>%W/W</th>
<th>Hazard Statement(s)</th>
<th>Hazard Pictogram(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)</td>
<td>70-98</td>
<td>Flam. Liq. 3 H226, Asp. Tox. 1 H304, STOT SE 3 H336, STOT RE 1 H372, Aquatic Chronic 2 H411</td>
<td>GHS02, GHS08, GHS07, GHS09</td>
<td></td>
</tr>
<tr>
<td>Turpentine, oil</td>
<td>8006-64-2</td>
<td>1-10</td>
<td>Flam. Liq. 3 H226, Acute Tox. 4 H302, Asp. Tox. 1 H304, Acute Tox. 4 H312, Skin Irrit. 2 H315, Skin Sens. 1 H317, Eye Irrit. 2A H319, Acute Tox. 4 H332, Aquatic Chronic 2 H411, Liq. Static HCS006</td>
<td>GHS02, GHS08, GHS07, GHS09</td>
</tr>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>1-10</td>
<td>Flam. Liq. 3 H226, Acute Tox. 4 H312, Skin Irrit. 2 H315, Eye Irrit. 2B H320, Acute Tox. 4 H332, Liq. Static HCS006</td>
<td>GHS02, GHS07</td>
</tr>
</tbody>
</table>

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures
- **Inhalation**: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
- **Skin Contact**: Take off immediately all contaminated clothing. Rinse skin with 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**: Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

4.2 Most important symptoms and effects, both acute and delayed
Irritant effect on skin and eyes. May cause an allergic skin reaction.

4.3 Indication of any immediate medical attention and special treatment needed
Unlikely to be required but if necessary treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media
- **Suitable Extinguishing Media**: Use water spray, foam, dry powder or CO₂ to extinguish.
- **Unsuitable Extinguishing Media**: None known.

5.2 Special hazards arising from the substance or mixture
Flammable liquid and vapor. Decomposition products may include toxic fumes. May form explosive vapor/air mixtures.

5.3 Advice for firefighters
Fire fighters should wear complete protective clothing including self-contained
SAFETY DATA SHEET
Keratex Hoof Gel

breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Eliminate sources of ignition. Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures. 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
Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a lidded container for disposal or recovery.

6.4 Reference to other sections
See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling
Use only outdoors or in a well-ventilated area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use explosion-proof electrical/ventilating/lighting/equipment. Use non-sparking tools. Take action to prevent static discharges. Do not breathe vapor. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse.

7.2 Conditions for safe storage, including any incompatibilities
Storage temperature
Ambient.
Storage life
Stable under normal conditions.
Incompatible materials
Strongly acidic, Strong oxidizing agents.

7.3 Specific end use(s)
Animal care product (for topical application only).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
8.1.1 Occupational Exposure Limits

<table>
<thead>
<tr>
<th>SUBSTANCE</th>
<th>CAS No.</th>
<th>LTEL (8 hr TWA ppm)</th>
<th>LTEL (8 hr TWA mg/m³)</th>
<th>STEL (ppm)</th>
<th>STEL (mg/m³)</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turpentine</td>
<td>8006-64-2</td>
<td>100</td>
<td>560</td>
<td></td>
<td></td>
<td>OSHA PEL Z-1, OSHA PEL</td>
</tr>
<tr>
<td>Turpentine</td>
<td>8006-64-2</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td>NIOSH REL Z-1</td>
</tr>
<tr>
<td>Xylenes (Dimethylbenzene) (o-, m-, p-isomers)</td>
<td>1330-20-7</td>
<td>100</td>
<td>435</td>
<td></td>
<td></td>
<td>OSHA PEL Z-1</td>
</tr>
<tr>
<td>Xylene; xylol; dimethylbenzene</td>
<td>1330-20-7</td>
<td>300</td>
<td></td>
<td></td>
<td></td>
<td>OSHA PEL, C</td>
</tr>
<tr>
<td>Xylene; xylol; dimethylbenzene</td>
<td>1330-20-7</td>
<td>100</td>
<td>435</td>
<td>150</td>
<td>655</td>
<td>OSHA PEL</td>
</tr>
<tr>
<td>Xylenes (Dimethylbenzene) (o-, m-, p-isomers)</td>
<td>1330-20-7</td>
<td>100</td>
<td></td>
<td>150</td>
<td></td>
<td>NIOSH REL Z-1</td>
</tr>
<tr>
<td>Xylene (Dimethylbenzene), o-, m-, p-isomers</td>
<td>1330-20-7</td>
<td>100</td>
<td>434</td>
<td>150</td>
<td>651</td>
<td>ACGIH TLV</td>
</tr>
</tbody>
</table>
Remark | Notes
--- | ---
OSHA PEL Z-1 | Occupational Safety and Health Administration (OSHA) Permissible Exposure Limit (PEL) from 29 CFR 1910.1000 Z-1 Table
OSHA PEL | Occupational Safety and Health (OSHA) Permissible Exposure Limits (PELs).
NIOSH REL Z-1 | National Institute for Occupational Safety and Health (NIOSH) Recommended Exposure Limits (RELs) from the NIOSH Pocket Guide to Chemical Hazards table Z-1: Up to 10-hour time weighted average (TWA) during a 40-hour work week
C | Ceiling limit
ACGIH TLV | The American Conference of Governmental Industrial Hygienists (ACGIH®) Threshold Limit Values (TLVs®) 2018

8.2 Exposure controls

8.2.1. Appropriate engineering controls

Provide 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 eyewear (goggles, face shield, or safety glasses).

**Skin protection**

Wear protective clothing and gloves: Impervious gloves.

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

**Thermal hazards**

Not applicable.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid.</td>
</tr>
<tr>
<td>Color</td>
<td>Opaque</td>
</tr>
<tr>
<td>Odor</td>
<td>Hydrocarbons</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not established.</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flash Point</td>
<td>40°C</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not available.</td>
</tr>
<tr>
<td>Density (g/ml)</td>
<td>Not available.</td>
</tr>
</tbody>
</table>
Relative density Not available.
Solubility (Water) Solubility (Other) Not known.
Partition coefficient: n-octanol/water Not available.
Auto-ignition temperature Not available.
Decomposition Temperature Not available.
Viscosity Not available.
Explosive properties Not explosive.
Oxidizing properties Not oxidizing.

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
Strongly acidic, Strong oxidizing agents.

10.6 Hazardous decomposition products
No hazardous decomposition products known.

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 May cause drowsiness or dizziness. No data.
STOT - repeated exposure Causes damage to organs through prolonged or repeated exposure. No data.
Aspiration hazard May be fatal if swallowed and enters airways. No data.

11.2 Other information
Not known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity
Toxic to aquatic life with long lasting effects. No data.
Toxicity - Aquatic invertebrates No data.
Toxicity - Fish No data.
Toxicity - Algae No data.
Toxicity - Sediment Compartment Not classified.
Toxicity - Terrestrial Compartment Not classified.

12.2 Persistence and Degradation
The product is biodegradable. Unlikely to persist.
12.3 Bioaccumulative potential

The product has no potential for bioaccumulation.

12.4 Mobility in soil

The product is predicted to have high mobility in soil.

12.5 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of empty containers and wastes safely. Dispose of this material and its container to hazardous or special waste collection point.

13.2 Additional Information

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

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

UN No. 1993

14.2 UN proper shipping name

UN proper shipping name FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%), Turpentine, oil)

14.3 Transport hazard class(es)

ADR/RID
- ADR/RID Class 3
- ADR Classification Code F1
- Special Provisions 274 601
- Limited Quantities 5 L
- Excepted Quantities E1
- Emergency Action Code 3Y

Mixed Packing Instructions for Packages
- P001 IBC03 LP01 R001
- MP19

Packing Instructions for Portable Tanks
- T4
- Special Provisions for Portable Tanks TP1 TP29
- Tank Code for Tanks LGBF
- Vehicle for Tank Carriage FL
- ADR Transport Category 3
- Tunnel Restriction Code D/E
- Special Provisions for Carriage - Packages V12
- Special Provisions for Carriage - Operation S2
- ADR HIN 30
- IMDG
- IMDG Class 3
- Special Provisions 274 601
- Limited Quantities 5 L
SAFETY DATA SHEET
Keratex Hoof Gel

Excepted Quantities
Mixed Packing Instructions for Packages
P001 IBC03 LP01 R001
Packing Instructions for Portable Tanks
T4
Special Provisions for Portable Tanks
TP1 TP29
IMDG EMS
F-E, S-E
Stowage and Handling
Category A

ICAO/IATA
IATA Proper Shipping Name
FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%), Turpentine, oil)

Exempted Quantities
E1
Passenger and Cargo Aircraft Limited
Y344
Quantities Packing Instructions
10L
Passenger and Cargo Aircraft Limited
Quantities Max net Qty
355
Passenger and Cargo Aircraft Packing Instructions
60L
Passenger and Cargo Aircraft Max net Qty
Carg Aircraft Packing Instructions
366
Carg Aircraft Max net Qty
220L
Special Provisions
A3
Emergency Response Guidebook (ERG) Code
3
Labels

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 Marpol and the IBC Code
No information available

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations
Toxic and hazardous substances (29 CFR 1910; Subpart Z) Listed: 8006-64-2, 1330-20-7
National emission standards for hazardous air pollutants (40 CFR 61.01) Not listed
SARA Title III Section 313 Not listed
TSCA (Toxic Substance Control Act) Listed: 8006-64-2, 1330-20-7
CAA 602 - Ozone Depleting Substances (ODS) Not listed

15.2 US State Regulations
State Right to Know Lists

20-12-2018 Page: 7 - 9 Revision: 1
SAFETY DATA SHEET
Keratex Hoof Gel

Proposition 65 (California) Not listed
Minnesota Listed : 8006-64-2
New Jersey Listed : 8006-64-2, 1330-20-7
Pennsylvania Listed : 1330-20-7
Rhode Island Listed : 8006-64-2, 1330-20-7

15.3 Other
OSPAR List of Chemicals for Priority Action Not listed
OSHA (List of Highly Hazardous Chemicals, Toxics and Reactives) Not listed
NTP (National Toxicology Program) Not listed
IARC (International Agency for Research on Cancer) Listed : 1330-20-7

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

LEGEND

Hazard Pictogram(s)

GHS02  GHS08  GHS07  GHS09

Hazard Statement(s)
H226: Flammable liquid and vapour.
H302: Harmful if swallowed.
H304: May be fatal if swallowed and enters airways.
H312: Harmful in contact with skin.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H320: Causes eye irritation.
H332: Harmful if inhaled.
H336: May cause drowsiness or dizziness.
H372: Causes damage to organs through prolonged or repeated exposure.
H411: Toxic to aquatic life with long lasting effects.
HCS006: Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

Precautionary Statement(s)
P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233: Keep container tightly closed.
P240: Ground and bond container and receiving equipment.
P241: Use explosion-proof electrical/ventilating/lighting/equipment.
P242: Use non-sparking tools.
P243: Take action to prevent static discharges.
P260: Do not breathe vapor.
P264: Wash hands and exposed skin thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
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.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
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.
P312: Call a POISON CENTER/doctor if you feel unwell.
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.
P370+P378: In case of fire: Use water spray, foam, dry powder or CO₂ to extinguish.
P403+P235: Store in a well-ventilated place. Keep cool.
P405: Store locked up.
P501: Dispose of contents in accordance with local, state or national legislation.

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
IATA : International Air Transport Association
IBC : Intermediate Bulk Container
ICAO : International Civil Aviation Organization
IMDG : International Maritime Dangerous Goods
LTEL : Long Term Exposure Limit
RID : Regulations concerning the International Carriage of Dangerous Goods by Rail
STEL : Short Term Exposure Limit
STOT : Specific Target Organ Toxicity
UN : United Nations

Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Penleigh Irving Ltd. gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Penleigh Irving Ltd. accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.