SAFETY DATA SHEET
Keratex Hoof Gel

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

1.1. Product identifier

Product name Keratex Hoof Gel

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

Identified uses A water repellent treatment for equine hooves.
Uses advised against Any use other than those identified.

1.3. Details of the supplier of the safety data sheet

Supplier Penleigh Irving Ltd.t/a Keratex Hoofcare
25 Fairwood Road
Dilton Marsh
Westbury, Wilts
BA13 3SN
Tel: +44 (0)1373 827 649
Fax: +44 (0)1373 827 007
info@keratex.com

1.4. Emergency telephone number

+44 (0)7969 467 388

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Flam. Liq. 3 - H226
Hazards
Human health EUH066;Acute Tox. 4 - H312;Acute Tox. 4 - H332;Skin Sens. 1 - H317
Environment Aquatic Chronic 3 - H412


The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Human health
May cause allergic skin disorders in sensitive individuals.

Environment
The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic environment. See section 12 as well.

Physical and Chemical Hazards
Vapours may be ignited by a spark, a hot surface or an ember.

2.2. Label elements

Contains unspecified low boiling point naphtha, <0.1% benzene (Stoddard solvent)

TURPENTINE, OIL

Label In Accordance With (EC) No. 1272/2008
**Keratex Hoof Gel**

**Signal Word** Warning

**Hazard Statements**

<table>
<thead>
<tr>
<th>H226</th>
<th>Flammable liquid and vapour.</th>
</tr>
</thead>
<tbody>
<tr>
<td>H312</td>
<td>Harmful in contact with skin.</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled.</td>
</tr>
<tr>
<td>H412</td>
<td>Harmful to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>

**Precautionary Statements**

<table>
<thead>
<tr>
<th>P261</th>
<th>Avoid breathing vapour/spray.</th>
</tr>
</thead>
<tbody>
<tr>
<td>P210</td>
<td>Keep away from open flames and hot surfaces. No smoking.</td>
</tr>
<tr>
<td>P280</td>
<td>Wear protective gloves.</td>
</tr>
<tr>
<td>P305+351+338+313</td>
<td>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing until no signs of contamination remain. Get medical advice/attention.</td>
</tr>
<tr>
<td>P404</td>
<td>Store in a closed container.</td>
</tr>
<tr>
<td>P501D</td>
<td>Empty containers may contain residual product and vapours. Do not cut or weld on or near empty containers. Disposal should only be by means of a licensed waste disposal contractor.</td>
</tr>
</tbody>
</table>

**Supplementary Precautionary Statements**

<table>
<thead>
<tr>
<th>P102</th>
<th>Keep out of reach of children.</th>
</tr>
</thead>
<tbody>
<tr>
<td>P233</td>
<td>Keep container tightly closed.</td>
</tr>
<tr>
<td>P271</td>
<td>Use only outdoors or in a well-ventilated area.</td>
</tr>
<tr>
<td>P273</td>
<td>Avoid release to the environment.</td>
</tr>
<tr>
<td>P302+352</td>
<td>IF ON SKIN: Wash with plenty of soap and water.</td>
</tr>
<tr>
<td>P333+313</td>
<td>If skin irritation or rash occurs: Get medical advice/attention.</td>
</tr>
</tbody>
</table>

**Supplemental label information**

EUH066 Repeated exposure may cause skin dryness or cracking.

**2.3. Other hazards**

Not Classified as PBT/vPvB by current EU criteria.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2. Mixtures**

unspecified low boiling point naphtha, <0.1% benzene (Stoddard solvent) >80%

| CAS-No.: 8052-41-3 | EC No.: 232-489-3 |

**Classification (EC 1272/2008)**

<table>
<thead>
<tr>
<th>Flam. Liq. 3 - H226</th>
<th>Xn;R20/21,R65.</th>
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</thead>
<tbody>
<tr>
<td>EUH066</td>
<td>R10,R66.</td>
</tr>
<tr>
<td>Acute Tox. 4 - H312</td>
<td></td>
</tr>
<tr>
<td>Acute Tox. 4 - H332</td>
<td></td>
</tr>
<tr>
<td>Asp. Tox. 1 - H304</td>
<td></td>
</tr>
</tbody>
</table>

**Classification (67/548/EEC)**

<table>
<thead>
<tr>
<th>Classification (67/548/EEC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xn;R20/21,R65.</td>
</tr>
<tr>
<td>R10,R66.</td>
</tr>
</tbody>
</table>
Keratex Hoof Gel

TURPENTINE, OIL >8%

CAS-No.: 8006-64-2 EC No.: 232-350-7

<table>
<thead>
<tr>
<th>Classification (EC 1272/2008)</th>
<th>Classification (67/548/EEC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flam. Liq. 3 - H226</td>
<td>R10</td>
</tr>
<tr>
<td>Acute Tox. 4 - H302</td>
<td>Xn;R20/21/22,R65</td>
</tr>
<tr>
<td>Acute Tox. 4 - H312</td>
<td>R43</td>
</tr>
<tr>
<td>Acute Tox. 4 - H332</td>
<td>Xi;R36/38</td>
</tr>
<tr>
<td>Skin Irrit. 2 - H315</td>
<td>N;R51/53</td>
</tr>
<tr>
<td>Eye Irrit. 2 - H319</td>
<td></td>
</tr>
<tr>
<td>Skin Sens. 1 - H317</td>
<td></td>
</tr>
<tr>
<td>Asp. Tox. 1 - H304</td>
<td></td>
</tr>
<tr>
<td>Aquatic Chronic 2 - H411</td>
<td></td>
</tr>
</tbody>
</table>

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition Comments
The data shown are in accordance with the latest EC Directives.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information
Provide rest, warmth and fresh air. Do not give victim anything to drink if they are unconscious. Get medical attention if any discomfort continues.

Inhalation
Place unconscious person on the side in the recovery position and ensure breathing can take place. If respiratory problems, artificial respiration/oxygen. Get medical attention if any discomfort continues.

Ingestion
If swallowed do NOT induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head low so that stomach contents do not enter lungs. Rinse mouth thoroughly and seek medical attention immediately. Keep patient at rest.

Skin contact
Remove contaminated clothing and shoes. Wash skin thoroughly with soap and running water. Take especial care to clean folds, crevices, creases and groin. Get medical attention if irritation persists or develops. Launder clothing and clean shoes thoroughly before re-use.

Eye contact
Check for contact lenses which must be removed from the eyes before rinsing. Promptly rinse eyes with plenty of clean water while lifting the eyelids. Continue to rinse for at least 15 minutes. Continue until the eyes are free of all traces of contamination. Get medical attention if any discomfort or irritation persists.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media
Fire can be extinguished using: Water spray, fog or mist. Foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc.

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products
During fire, toxic gases (CO, CO2) are formed.
Keratex Hoof Gel

Unusual Fire & Explosion Hazards
Vapours are heavier than air and may spread near ground to sources of ignition.

5.3. Advice for firefighters

Special Fire Fighting Procedures
Cool containers exposed to flames with water until well after the fire is out.
Protective equipment for fire-fighters
Self contained breathing apparatus and full protective clothing must be worn in case of fire. Keep all unnecessary people away.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing (see Section 8).

6.2. Environmental precautions

Do not allow spilt material to enter drains or water courses. Cover all drains and sewers. Avoid spreading spilled material.
Contain spillages with sand, earth or suitable inert absorbent material. Prevent further spillage if safe to do so. In the event of contamination of watercourses or sewers advise the Environment Agency, fire brigade and police.

6.3. Methods and material for containment and cleaning up

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Keep combustibles away from spilled material.

6.4. Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Use only with adequate ventilation. Do not breathe vapour or mist.
Keep away from heat, sparks or flame. Containers and equipment must be bonded to avoid static discharge. Use only electrical equipment suitable for explosive atmospheres.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from all possible sources of ignition.
Store in tightly closed containers in segregated, cool, dry, ventilated storage.

7.3. Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>STD</th>
<th>TWA - 8 Hrs</th>
<th>STEL - 15 Min</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-BUTANOL</td>
<td>WEL</td>
<td>50 ppm</td>
<td>154 mg/m³</td>
<td>Sk</td>
</tr>
<tr>
<td>TURPENTINE, OIL</td>
<td>WEL</td>
<td>100 ppm</td>
<td>566 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>150 ppm</td>
<td>850 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

WEL = Workplace Exposure Limit.
Sk = Can be absorbed through skin.

8.2. Exposure controls

Process conditions
Provide eyewash station.
Engineering measures
Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.
Respiratory equipment
Wear mask supplied with: Gas cartridge suitable for organic substances. If ventilation is insufficient suitable respiratory protection must be provided.
Seek advice and recommendations of the manufacturer or supplier of equipment
Hand protection
Keratex Hoof Gel

Eye protection
Wear splash-proof eye goggles to prevent any possibility of eye contact.
Other Protection
Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures
DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance     Gel
Colour          Cloudy
Odour           Paraffinic
Solubility     Insoluble in water
Initial boiling point and boiling range 190°C.
Relative density 0.80
Vapour pressure 2 mm Hg
Flash point     39°C. Not noted.
Flammability Limit - Lower(%) 1.1%
Flammability Limit - Upper(%) 6.0%

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Chemical stability
Stable under normal conditions of storage and use. See section 7.

10.3. Possibility of hazardous reactions
Not known.

10.4. Conditions to avoid
Avoid frost.

10.5. Incompatible materials
Materials To Avoid
Rubber or plastic.

10.6. Hazardous decomposition products
During fire, toxic gases (CO, CO2) are formed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information
No data is available for this preparation, which is classified according to the calculation method of EC Directive 88/379/EEC. and read across to EC Directive 1272/2008 and its subsequent ATPs.

General information
Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Inhalation
In high concentrations, vapours may irritate throat and respiratory system and cause coughing.
Keratex Hoof Gel

Ingestion
Aspiration hazard if swallowed; harmful if liquid is aspirated into the lungs, may even prove fatal. Accidental swallowing of small quantities is unlikely to cause harm but larger amounts may cause nausea and diarrhoea.

Skin contact
Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Risk of sensitisation or allergic reactions among sensitive individuals.

Eye contact
May cause severe irritation to eyes.

Health Warnings
This product has low toxicity. Only large volumes may have adverse impact on human health.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity
The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

12.1. Toxicity

12.2. Persistence and degradability

Degradability
The product is expected to be slowly biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential
The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility:
The product is immiscible with water and will spread on the water surface. The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

12.5. Results of PBT and vPvB assessment

Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

General information
Product is hazardous waste. Do not allow into drains, sewers or water courses.
Disposal must be by means of a licensed waste contractor. Empty containers may contain residual flammable vapours and product residue. Keep away from sparks, heat and sources of ignition. Labels should not be removed.

13.1. Waste treatment methods

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

General
The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name
Keratex Hoof Gel

14.3. Transport hazard class(es)

Transport Labels

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

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

Uk Regulatory References
Petroleum (Consolidation) Act, as amended 1984 SI 1244.
Statutory Instruments
Control of Substances Hazardous to Health Regulations (as amended). (COSHH)
Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007. (CDG 2009)
Guidance Notes
CHIP for everyone HSG(108).
Introduction to Local Exhaust Ventilation HS(G)37.
EU Legislation
Dangerous Substances Directive 67/548/EEC.
Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals
labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and
ADR (L’Accord européen relative au transport international des marchandises dangereuses par route.)
National Regulations
Workplace Exposure Limits 2005 (EH40)

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Comments
New format SDS, including classification to CLP (EC 1272/2008).
And translated into the language of this document as of the date below.
Revision Date 23-MAR-12
Revision 01 replaces 00:01091
Supersedes date DEC 2010
Keratex Hoof Gel

Risk Phrases In Full
R10 Flammable.
R20/21 Harmful by inhalation and in contact with skin.
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R36/38 Irritating to eyes and skin.
R43 May cause sensitisation by skin contact.
R66 Repeated exposure may cause skin dryness or cracking.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statements In Full
H319 Causes serious eye irritation.
H315 Causes skin irritation.
H226 Flammable liquid and vapour.
H332 Harmful if inhaled.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H412 Harmful to aquatic life with long lasting effects.
H304 May be fatal if swallowed and enters airways.
H317 May cause an allergic skin reaction.
EUH066 Repeated exposure may cause skin dryness or cracking.
H411 Toxic to aquatic life with long lasting effects.

Disclaimer
This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.