1. Product and Company Identification

Product Name: KF Shampoo
CAS #: Mixture
Product Use: Shampoo for Dogs
Manufacturer: Natural Chemistry, LLC
40 Richards Ave.
Norwalk, CT 06854 US
Phone: (800) 753-1233
Emergency Phone: CHEMTREC (800) 424-9300

2. Hazards Identification

Emergency Overview: CAUTION
EYE AND SKIN IRRITANT.

Potential short term health effects:
- Routes of exposure: Eye, Skin contact, Inhalation, Ingestion.
- Eyes: May cause irritation.
- Skin: May cause irritation.
- Inhalation: May cause respiratory tract irritation.
- Ingestion: May cause stomach distress, nausea or vomiting.

Target organs: Eyes, Skin.

Chronic effects: Prolonged or repeated exposure can cause drying, defatting and dermatitis.

Signs and symptoms:
- Symptoms may include redness, oedema, drying, defatting and cracking of the skin.
- Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Potential environmental effects: This product has not been tested.

3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfuric acid, mono-C10-C16 alkyl esters, sodium salts</td>
<td>68585-47-7</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

4. First Aid Measures

First aid procedures:
- Eye contact: Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention immediately.
- Skin contact: Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.
- Inhalation: If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
- Ingestion: Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.
- General advice: If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire-fighting Measures

Flammable properties: Not flammable by WHMIS criteria.
Extinguishing media:
- Suitable extinguishing media: Treat for surrounding material.
- Unsuitable extinguishing media: Not available.
Protection of firefighters

Specific hazards arising from the chemical
Not available

Protective equipment for firefighters
Firefighters should wear full protective clothing including self contained breathing apparatus.

Hazardous combustion products
May include and are not limited to: Oxides of carbon. Oxides of sulphur.

Explosion data

Sensitivity to mechanical impact
Not available

Sensitivity to static discharge
Not available

6. Accidental Release Measures

Personal precautions
Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

Environmental precautions
Do not contaminate water.

Methods for containment
Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up
Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

7. Handling and Storage

Handling
Use good industrial hygiene practices in handling this material.

Storage
Keep out of reach of children. Store in a closed container away from incompatible materials.

8. Exposure Controls / Personal Protection

Exposure limit values

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Exposure limit values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfuric acid, mono-C10-C16 alkyl esters, sodium salts</td>
<td>ACGIH-TLV Not established</td>
</tr>
</tbody>
</table>

Engineering controls
General ventilation normally adequate.

Personal protective equipment

Eye/Face protection
Wear safety glasses with side shields.

Hand protection
Rubber gloves. Confirm with a reputable supplier first.

Skin and body protection
As required by employer code.

Respiratory protection
Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

General hygiene considerations
Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

9. Physical and Chemical Properties

| Appearance | Clear |
| Colour     | Very Light yellow |
| Form       | Liquid |
| Odour      | Slight cinnamon |
| Odour threshold | Not available |
| Physical state | Liquid |
| pH         | 5.6 - 6 |
| Melting point | Not available |
| Freezing point | Not available |
| Boiling point | Not available |
| Pour point | Not available |
10. Stability and Reactivity

Reactivity
None known.

Possibility of hazardous reactions
Hazardous polymerisation does not occur.

Chemical stability
Stable under recommended storage conditions.

Conditions to avoid
Do not mix with other chemicals.

Incompatible materials
Acids. Oxidizers.

Hazardous decomposition products
May include and are not limited to: Oxides of carbon. Oxides of sulphur.

11. Toxicological Information

Component analysis - LC50
Ingredient(s) LC50
Sulfuric acid, mono-C10-C16 alkyl esters, sodium salts Not available

Component analysis - Oral LD50
Ingredient(s) LD50
Sulfuric acid, mono-C10-C16 alkyl esters, sodium salts 1300 mg/kg rat

Effects of acute exposure
- Eye: May cause irritation.
- Skin: May cause irritation.
- Inhalation: May cause respiratory tract irritation.
- Ingestion: May cause stomach distress, nausea or vomiting.

Sensitisation
Non-hazardous by WHMIS criteria.

Chronic effects
Non-hazardous by WHMIS criteria.

Carcinogenicity
Non-hazardous by WHMIS criteria.

Mutagenicity
Non-hazardous by WHMIS criteria.

Reproductive effects
Non-hazardous by WHMIS criteria.

Teratogenicity
Non-hazardous by WHMIS criteria.

Name of Toxicologically Synergistic Products
Not available

12. Ecological Information

Ecotoxicity
Not available

Persistence and degradability
Not available

Bioaccumulation/accumulation
Not available

Mobility in environmental media
Not available

Environmental effects
Not available

Aquatic toxicity
Not available

Partition coefficient
Not available
### 13. Disposal Considerations

**Disposal instructions**
Review federal, provincial, and local government requirements prior to disposal.

**Waste from residues / unused products**
Not available

**Contaminated packaging**
Not available

### 14. Transport Information

**Transportation of Dangerous Goods (TDG - Canada)**
Not regulated as dangerous goods.

### 15. Regulatory Information

**Canadian federal regulations**
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**WHMIS classification**
Class D - Division 2B

**WHMIS status**
Controlled

**WHMIS labeling**

**Inventory Status**

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory Name</th>
<th>On Inventory (Yes/No)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
</tbody>
</table>

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

### 16. Other Information

**LEGEND**

<table>
<thead>
<tr>
<th>HMIS/NFPA</th>
<th>Health</th>
<th>Flammability</th>
<th>Physical Hazard</th>
<th>Personal Protection</th>
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<tr>
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<td>1</td>
<td>2</td>
<td>B</td>
</tr>
<tr>
<td>Serious</td>
<td>3</td>
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<tr>
<td>Moderate</td>
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<tr>
<td>Slight</td>
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<td></td>
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</tr>
<tr>
<td>Minimal</td>
<td>0</td>
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</tbody>
</table>

**Disclaimer**

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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**Effective Date**
01-Feb-2011

**Expiry Date**
01-Feb-2014

**Prepared by**
Dell Tech Laboratories Ltd. (519) 858-5021

**Other Information**
For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.

This MSDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.