## 1 PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Identifier:</th>
<th>SPIN 'N' CLEAN</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDS Number:</td>
<td>3142</td>
</tr>
<tr>
<td>Revision Date:</td>
<td>12/12/2017</td>
</tr>
<tr>
<td>Product Description:</td>
<td>Spin Bonnet Concentrate</td>
</tr>
<tr>
<td>Product Use:</td>
<td>For spin bonnet, rotary shampooing and automatic upholstery cleaning.</td>
</tr>
</tbody>
</table>
| Supplier Details:   | Winsol Laboratories Inc  
1417 NW 51st St  
Seattle, WA 98107 |
| Emergency:          | INFOTRAC 1-800-535-5053 (North America); 1-352-323-3500 (International) |
| Phone:              | 206-782-5500    |
| Web:                | www.winsol.com  |

## 2 HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

- **GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):**
  - Health, Acute toxicity, 4 Oral
  - Health, Acute toxicity, 5 Dermal
  - Health, Skin corrosion/irritation, 2
  - Health, Serious Eye Damage/Eye Irritation, 2 A
  - Environmental, Hazards to the aquatic environment - Acute, 3

**GHS Label elements, including precautionary statements**

- **GHS Signal Word:** WARNING

**GHS Hazard Pictograms:**

![Exclamation Mark]

**GHS Hazard Statements:**

- H302 - Harmful if swallowed
- H313 - May be harmful in contact with skin
- H315 - Causes skin irritation
- H319 - Causes serious eye irritation
- H402 - Harmful to aquatic life

**GHS Precautionary Statements:**

- P102 - Keep out of reach of children.
- P103 - Read label before use.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P301 - IF SWALLOWED: May cause gastrointestinal irritation. Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.
- P302 - IF ON SKIN: Prolonged or repeated and confined exposure may cause skin irritation. Wash contaminated clothing and footwear before reuse.
- P304 - IF INHALED: Remove to fresh air.
- P305 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lens, if present and easy to do. Continue rinsing. If irritation persists, consult medical personnel.
3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

<table>
<thead>
<tr>
<th>Cas#</th>
<th>%</th>
<th>Chemical Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>34590-94-8</td>
<td>&lt;6%</td>
<td>Dipropylene glycol methyl ether</td>
</tr>
<tr>
<td>68585-34-2</td>
<td>&lt;5%</td>
<td>Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C10-16-alkyl ethers,</td>
</tr>
<tr>
<td>sodium salts</td>
<td>64-17-5</td>
<td>Ethanol or Ethyl alcohol or Ethanol solutions or Ethyl alcohol solutions</td>
</tr>
<tr>
<td>68439-50-9</td>
<td>&lt;3%</td>
<td>Alcohols, C12-14, ethoxylated</td>
</tr>
<tr>
<td>7320-34-5</td>
<td>&lt;2%</td>
<td>Diphosphoric acid, tetrapotassium salt</td>
</tr>
<tr>
<td>1310-58-3</td>
<td>&lt;1%</td>
<td>Potassium hydroxide, solution</td>
</tr>
</tbody>
</table>

The exact percentage (or concentration) of ingredients has been withheld as a trade secret.

Composition Comments: Components and trace elements not listed are either non-hazardous or are below reportable limits.

4 FIRST AID MEASURES

Inhalation: Not considered dangerous.

Skin Contact: Prolonged or repeated and confined exposure may cause skin irritation. Wash contaminated clothing and footwear before reuse.

Eye Contact: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists consult medical personnel.

Ingestion: Swallowing may cause gastrointestinal irritation.

5 FIRE FIGHTING MEASURES

Flammability: Not flammable

Flash Point: N/A

LEL: N/A

UEL: N/A

Extinguishing Media: Water

Unusual Fire and Explosion Hazards: None

Special Fire Fighting Procedures: Self-contained breathing apparatus with a full face piece operated in a pressure demand or other positive pressure mode.

6 ACCIDENTAL RELEASE MEASURES

Small Spill: Absorb liquid on paper, vermiculite, floor absorbent or other absorbent material and transfer to labeled containers.

Large Spill: Stop spill at source, dike area of spill to prevent spreading, pump liquid into salvage tank. Remaining liquid may be taken up on sand, clay, floor absorbent or other absorbent material and shoveled into labeled containers.


Precautions to be taken in Handling and Storage: Exercise care and caution. Store in cool dry place.

Other Precautions: Containers of this material may be hazardous when emptied, since emptied containers retain product residues (vapor, liquid and/or solids), all hazard precautions given in the data sheet must be observed.

7 HANDLING AND STORAGE

Handling Precautions: Keep material out of reach of children.

Storage Requirements: Store in cool/dry area.
EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment:

RESPIRATORY PROTECTION: If TLV of the product or component is exceeded, a NIOSH/MSHA jointly approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators under specified condition.

Ventilation: Provide general or mechanical ventilation or local exhaust.

PROTECTIVE GLOVES: Use impermeable gloves to prevent skin contact. Use head caps, boots, chemical aprons when necessary.

EYE PROTECTION: Use safety eyewear designed to protect eyes against liquid splash and mists.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Use protective clothing to prevent skin contact. Use head caps, boots, chemical aprons when necessary.

WORK/HYGIENIC PRACTICES: Eyewashes and safety showers in the workplace are recommended. Wash hands after using. Monitor exposure levels.

Components with workplace control parameters

Dipropylene glycol methyl ether  (34590-94-8)  [<6%]

TWA          100 ppm                 USA. ACGIH Threshold Limit Values (TLV)
Eye & Upper Respiratory Tract irritation Central Nervous System impairment Danger of cutaneous absorption

STEL         150 ppm                 USA. ACGIH Threshold Limit Values (TLV)
Eye & Upper Respiratory Tract irritation Central Nervous System impairment Danger of cutaneous absorption

TWA          100 ppm                 USA. Occupational Exposure Limits (OSHA) - Table Z- 1
600 mg/m3    Limits for Air Contaminants
Skin designation The value in mg/m3 is approximate.

TWA          100 ppm                 USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
600 mg/m3    1910.1000
Skin notation

STEL         150 ppm                 USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
900 mg/m3    1910.1000
Skin notation

TWA          100 ppm                 USA. NIOSH Recommended Exposure Limits
600 mg/m3    Potential for dermal absorption

ST           150 ppm                 USA. NIOSH Recommended Exposure Limits
900 mg/m3    Potential for dermal absorption

Ethanol or Ethyl alcohol or Ethanol solutions or Ethyl alcohol solutions  (64-17-5)  [<5%]
Components with workplace control parameters
TWA 1,000 ppm USA. ACGIH Threshold Limit Values
(TLV)
Upper Respiratory Tract irritation
Confirmed animal carcinogen with unknown relevance to humans
TWA 1,000 ppm USA. Occupational Exposure Limits
1,900 mg/m³ (OSHA) - Table Z-1 Limits for Air Contaminants
The value in mg/m³ is approximate.

Potassium hydroxide, solution (1310-58-3) [<1%]
Components with workplace control parameters
C 2 mg/m³ USA. ACGIH Threshold Limit Values
(TLV)
Eye, skin, & Upper Respiratory Tract irritation
C 2 mg/m³ USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
C 2 mg/m³ USA. NIOSH Recommended Exposure Limits

9 PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Straw</td>
</tr>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>Spec Grav./Density</td>
<td>1.02</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability</td>
<td>None</td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>11.5 - 12.0</td>
</tr>
<tr>
<td>Evap. Rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomp Temp</td>
<td>No data available</td>
</tr>
<tr>
<td>Odor</td>
<td>Citrus</td>
</tr>
<tr>
<td>Solubility</td>
<td>100% in water</td>
</tr>
<tr>
<td>Freezing/Melting Pt.</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-Ignition Temp</td>
<td>No data available</td>
</tr>
<tr>
<td>UFL/LFL</td>
<td>No data available</td>
</tr>
</tbody>
</table>

10 STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactivity</td>
<td>Product is stable under normal conditions.</td>
</tr>
<tr>
<td>Chemical Stability</td>
<td>Product is stable under normal conditions.</td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>N/A</td>
</tr>
<tr>
<td>Materials to Avoid</td>
<td>Strong Oxidizing Agents, Acids.</td>
</tr>
<tr>
<td>Hazardous Decomposition</td>
<td>Not known.</td>
</tr>
<tr>
<td>Hazardous Polymerization</td>
<td>Will not occur.</td>
</tr>
</tbody>
</table>
Dipropylene glycol methyl ether (34590-94-8) [<6%]

Information on toxicological effects
Acute toxicity:
Oral LD50: Oral - rat - 5,152 mg/kg
Inhalation LC50: no data available
Dermal: no data available
Other information on acute toxicity
Skin corrosion/irritation: Serious eye damage/eye irritation:
Eyes - rabbit - Mild eye irritation - 24 h
Respiratory or skin sensitization: no data available
Germ cell mutagenicity: no data available

Carcinogenicity:
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP, OSHA.

Reproductive toxicity: no data available
Teratogenicity: no data available
Specific target organ toxicity - single exposure (Globally Harmonized System): no data available
Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available
Aspiration hazard: no data available
Potential health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.
Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Synergistic effects: no data available
Additional Information: RTECS: JM1575000

Ethanol or Ethyl alcohol or Ethanol solutions or Ethyl alcohol solutions (64-17-5) [<5%]

Information on toxicological effects
Acute toxicity:
LD50 Oral - rat - 7,060 mg/kg Remarks: Lungs, Thorax, or Respiration:Other changes.
LC50 Inhalation - rat - 10 h - 20000 ppm
Dermal: no data available
Skin corrosion/irritation: Skin - rabbit Result: No skin irritation - 24 h (OECD Test Guideline 404)
Serious eye damage/eye irritation: Eyes - rabbit Result: Mild eye irritation - 24 h (OECD Test Guideline 405)
Respiratory or skin sensitization: no data available
Germ cell mutagenicity: no data available

Carcinogenicity:
Carcinogenicity - mouse - Oral:
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, NTP, OSHA.

Reproductive toxicity: no data available
Reproductive toxicity - Human - female - Oral:
Effects on Newborn: Apgar score (human only). Effects on Newborn: Other neonatal measures or effects. Effects on Newborn: Drug dependence.
Specific target organ toxicity - single exposure: no data available
Specific target organ toxicity - repeated exposure: no data available
Aspiration hazard: no data available
Additional Information: RTECS: KQ6300000
Central nervous system depression, narcosis, Damage to the heart., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Stomach - Irregularities - Based on Human Evidence
Diphosphoric acid, tetrapotassium salt (7320-34-5) [<2%]

Information on toxicological effects
Acute toxicity:
Oral LD50 Inhalation LC50 Dermal LD50 LD50 Dermal - rabbit - > 4,640 mg/kg Remarks: Prolonged skin contact may cause skin irritation and/or dermatitis.
Other information on acute toxicity no data available
Skin corrosion/irritation: no data available
Serious eye damage/eye irritation: no data available
Respiratory or skin sensitization: no data available
Germ cell mutagenicity: no data available

Carcinogenicity:
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP, OSHA.

Reproductive toxicity: no data available
Teratogenicity: no data available
Specific target organ toxicity - single exposure (Globally Harmonized System): no data available
Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available
Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation.
Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Synergistic effects: no data available
Additional Information: RTECS: JL6735000

Potassium hydroxide, solution (1310-58-3) [<1%]

Information on toxicological effects
Acute toxicity:
LD50 Oral - rat - 333 mg/kg
Inhalation: no data available
Dermal: no data available
Skin corrosion/irritation: Skin - rabbit Result: Severe skin irritation - 24 h
Serious eye damage/eye irritation: Eyes - rabbit Result: Corrosive to eyes (OECD Test Guideline 405)
Respiratory or skin sensitization: no data available
Germ cell mutagenicity: no data available

Carcinogenicity:
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP, OSHA.

Reproductive toxicity: no data available
Specific target organ toxicity - single exposure: no data available
Specific target organ toxicity - repeated exposure: no data available
Aspiration hazard: no data available
Additional Information: RTECS: TT2100000
12 ECOLOGICAL INFORMATION

Dipropylene glycol methyl ether (34590-94-8) [<6%]

Information on ecological effects
Toxicity:
Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - > 10,000 mg/l - 96 h.
Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 1,919 mg/l - 48 h.
and other aquatic invertebrates
Persistence and degradability: Biodegradability
Bioaccumulative potential: no data available
Mobility in soil: no data available
PBT and vPvB assessment: no data available
Other adverse effects: no data available

Potassium hydroxide, solution (1310-58-3) [<1%]

Information on ecological effects
Toxicity:
Toxicity to fish LC50 - Gambusia affinis (Mosquito fish) - 80 mg/l - 96 h.
Persistence and degradability: The methods for determining the biological degradability are not applicable to inorganic substances.
Bioaccumulative potential: no data available
Mobility in soil: no data available
Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Harmful to aquatic life.

Ethanol or Ethyl alcohol or Ethanol solutions or Ethyl alcohol solutions (64-17-5) [<5%]: no data available
Diphosphoric acid, tetrapotassium salt (7320-34-5) [<2%]: no data available

13 DISPOSAL CONSIDERATIONS


14 TRANSPORT INFORMATION

Non-hazardous.

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Dipropylene glycol methyl ether (34590-94-8) [<6%] MASS, OSHAWAC, PA, TSCA, TXAIR
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C10-16-alkyl ethers, sodium salts (68585-34-2) [<5%] TSCA
Alcohols, C12-14, ethoxylated (68439-50-9) [<3%] TSCA
Diphosphoric acid, tetrapotassium salt (7320-34-5) [<2%] TSCA
Ethanol or Ethyl alcohol or Ethanol solutions or Ethyl alcohol solutions (64-17-5) [<5%] MASS, OSHAWAC, PA, TSCA, TXAIR
SARA Title III chemicals: None
California Prop 65 chemicals: This product contains no chemicals known to the State of California to cause cancer or reproductive toxicity.
CERCLA reportable quantity: None
RCRA hazardous waste no: None

Regulatory CODE Descriptions
----------------------------------------------------------------
RQ = Reportable Quantity
MASS = MA Massachusetts Hazardous Substances List
OSHA WAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level

OTHER INFORMATION

HMIS III: Health = 2, Fire = 0, Physical Hazard = 0
HMIS PPE: B - Safety Glasses, Gloves

HMIS Index: 1-slight, 2-moderate, 3-serious, 4-severe

The information contained herein has been compiled from sources believed to be reliable and accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. Winsol Laboratories, Inc. assumes no responsibility for injury to any person or property resulting from any use of the material. Each user assumes the risk in their use of this product and should review the data and recommendations in the specific context of their intended use.

Sections 11 and 12 are based on composition of 100% raw materials.

ISSUE DATE: 05/13/15
REVISION DATE: 12/12/17
REVISIONS: 3 year revision/review