# MATERIAL SAFETY DATA SHEET

**IDENTITY**  Head & Shoulders Refresh Antidandruff Shampoo

**INGREDIENTS/CHEMICAL NAME**  INGREDIENTS: ACTIVE INGREDIENT: 1% ZINC PYRITHIONE OTHER INGREDIENTS: WATER, SODIUM LAURETH SULFATE, SODIUM LAURYL SULFATE, COCAMIDE MEA, ZINC CARBONATE, GLYCOL STEARATE, DIMETHICONE, FRAGRANCE, CETYL ALCOHOL, POLYQUATERNIUM-10, MAGNESIUM SULFATE, SODIUM BENZOATE, MAGNESIUM CARBONATE HYDROXYDE, AMMONIUM LAURETH SULFATE, BENZYL ALCOHOL, SODIUM CHLORIDE, METHYLCHLOROISOTHIAZOLINONE, EXT D&C VIOLET #2, FD&C BLUE #1, METHYLISOTHIAZOLINONE, SODIUM XYLENESULFONATE.

### SECTION III — PHYSICAL/ CHEMICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>BOILING POINT (°F)</th>
<th>N/A</th>
<th>SPECIFIC GRAVITY (H₂O = 1)</th>
<th>1.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>VAPOR PRESSURE (mm Hg)</td>
<td>N/A</td>
<td>PERCENT VOLATILE BY VOLUME (%)</td>
<td>N/A</td>
</tr>
<tr>
<td>VAPOR DENSITY (AIR = 1)</td>
<td>N/A</td>
<td>EVAPORATION RATE (nBUOAC = 1)</td>
<td>N/A</td>
</tr>
<tr>
<td>SOLUBILITY IN WATER</td>
<td>100%</td>
<td>APPEARANCE AND ODOR</td>
<td></td>
</tr>
</tbody>
</table>

### SECTION IV — FLAMMABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>FLASH POINT (METHOD USED)</th>
<th>&gt;200°F</th>
<th>EXPLOSIVE LIMITS</th>
<th>LEL</th>
<th>N/A</th>
<th>UEL</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXTINGUISHING MEDIA</td>
<td>Will not sustain combustion.</td>
<td>SPECIAL FIRE FIGHTING PROCEDURES</td>
<td>N/A</td>
<td>UNUSUAL FIRE HAZARDS</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>STABILITY</td>
<td>UNSTABLE</td>
<td>STABLE</td>
<td>CONDITIONS TO AVOID</td>
<td>X</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>INCOMPATIBILITY (Materials to avoid)</td>
<td>N/A</td>
<td>HAZARDOUS DECOMPOSITION/BY PRODUCTS</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HAZARDOUS POLYMERIZATION</td>
<td>MAY OCCUR</td>
<td>WILL NOT OCCUR</td>
<td>CONDITIONS TO AVOID</td>
<td>X</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>
## SECTION V — HEALTH AND SAFETY DATA

**ROUTES OF ENTRY**
Eye, oral, skin

**HEALTH HAZARDS (ACUTE AND CHRONIC)**
For external use only. Avoid eye contact. If eye contact occurs, rinse eyes thoroughly with water. If condition worsens or does not improve after regular use of this product as directed, consult a doctor. If swallowed, get medical help right away.

**SIGNS OF SYMPTOMS OF EXPOSURE**
May cause nausea if ingested. Eye contact may cause redness / irritation.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**
N/A

**EMERGENCY AND FIRST AID PROCEDURES**
- If swallowed, get medical help right away.
- If eye contact occurs, rinse eyes thoroughly with water.
- If condition worsens or does not improve after regular use of this product as directed, consult a doctor.

## SECTION VI — PRECAUTIONS FOR SAFE HANDLING AND USE

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**
No special precautions.

**OTHER PRECAUTIONS**
N/A

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**
Mop up, flush down drain with excess water.

**WASTE DISPOSAL METHOD**
Non-hazardous waste.

## SECTION VII — SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION (Specify Type)**
None required with normal use.

**VENTILATION**
- **LOCAL EXHAUST**: None required with normal use.
- **MECHANICAL (General)**: Acceptable

**EYE PROTECTION**
None required with normal use.

**PROTECTIVE GLOVES**
Plastic or rubber for extended exposure.

**OTHER PROTECTIVE EQUIPMENT**
None required with normal use.

## SECTION VIII — Department of Transportation

**US Ground Transportation**: Non hazardous. Not regulated under US DOT Hazardous Materials

**Air Shipments**: Non hazardous. Not regulated under IATA Regulations.

**Vessel Shipments**: Non hazardous. Not regulated under IMDG Code.

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N/A — NOT APPLICABLE  
U/N — NOT KNOWN

THE SUBMISSION OF THIS MSDS MAY BE REQUIRED BY LAW, BUT THIS IS NOT AN ASSERTION THAT THE SUBSTANCE IS HAZARDOUS WHEN USED IN ACCORDANCE WITH PROPER SAFETY PRACTICES AND NORMAL HANDLING PROCEDURES. DATA SUPPLIED IS FOR USE ONLY IN CONNECTION WITH OCCUPATIONAL SAFETY AND HEALTH.