Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Skin Prep Aerosol
Chemical Formula: N/A
CAS Number: N/A
Other Designations: N/A
General Use: Topical
Manufactured For: Smith & Nephew, Inc. 970 Lake Carillon Drive, Suite 110, St. Petersburg, FL 33716 Phone: 1 800 876-1261
Date Reviewed: August 13, 2009

Section 2 - Composition Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS Number</th>
<th>%wt or % Vol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isobutane</td>
<td>75-28-5</td>
<td>Proprietary</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>Proprietary</td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>67-63-0</td>
<td>Proprietary</td>
</tr>
<tr>
<td>Butyl Ester of PVM/MA Copolymer Solution</td>
<td>25119-68-0</td>
<td>Proprietary</td>
</tr>
<tr>
<td>Acetyl Tributyl Citrate</td>
<td>77-90-7</td>
<td>Proprietary</td>
</tr>
</tbody>
</table>

Section 3 - Hazards Identification

Emergency Overview ★★★★★

Potential Health Effects

Primary Entry Routes: Ingestion, Inhalation, Skin, Eyes
Target Organs: N/A

Acute Effects

Inhalation: Exposure to high air concentrations may cause mild irritation to nose and throat. Drowsiness, headache, and mild narcosis can occur from inhalation.
Eye: Exposure to high air concentrations may cause mild irritation to eyes.
Skin: None Known
Ingestion: Ingestion may cause drowsiness, burning of the gastrointestinal tract, and death. Ingestion may cause gastrointestinal pain, cramps, nausea and vomiting.

Carcinogenicity: This material is not known to have carcinogenic properties.

Medical Conditions Aggravated by Long-Term Exposure: Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product. Impaired function from pre-existing disorders may be aggravated by exposure to this product.

Chronic Effects: None Known

Section 4 - First Aid Measures

Inhalation: Remove victim to fresh air. If victim is not breathing, give artificial respiration.
Eye Contact: Flush eyes (including under lids) with copious amounts of water for at least 15 minutes.
Skin Contact: No First Aid should be needed.
Ingestion: If conscious, give victim milk or water and induce vomiting. Contact a poison control center for further instructions.

After first aid, get appropriate in-plant, paramedic, or community medical support.

Special Precautions/Procedures: None.
### Section 5 - Fire-Fighting

**Flash Point:** Isopropyl Alcohol = 53°F (11.7°C) / Propellants = –156°F (-104.4°C)  
**NFPA:**  
**Flash Point Method:** Isopropyl Alcohol = TCC / Propellants = OC  
**Burning Rate:** Not determined  
**Autoignition Temperature:** Not determined  
**LFL (% vol. in air):** 2.5  
**UFL (% vol. in air):** 12  
**Flammability Classification:** Class IA Flammable Liquid  
**Extinguishing Media:** Carbon Dioxide, Dry Chemical, Alcohol Foam  
**Unusual Fire or Explosion Hazards:** Vapors are heavier than air and may travel a considerable distance to an ignition source and flashback. Cool exposed containers with water.  
**Hazardous Combustion Products:** Carbon monoxide and unidentified organic compounds.  
**Fire-Fighting Instructions:** Do not release runoff from fire control methods to sewers or waterways.  
**Fire-Fighting Equipment:** Self Contained Breathing Apparatus and protective clothing should be worn.

### Section 6 - Accidental Release Measures

**Spill /Leak Procedures:**  
**Small Spills:** Mop or wipe up  
**Large Spills**  
- **Containment:** Dike spills to minimize contamination and contain material  
- **Cleanup:** Remove all sources of heat and ignition. Absorb with sand or vermiculite. Ventilate area to dissipate vapors.  
**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

### Section 7 - Handling and Storage

**Handling Precautions:** Contents under pressure. Containers may explode if heated. When empty, do not puncture or incinerate container.  
**Storage Requirements:** Store in a cool, dry area at temperatures below 120°F (48.9°C); and away from sources of heat, fire, & direct sunlight.  
**Regulatory Requirements:** None required for normal use

### Section 8 - Exposure Controls / Personal Protection

**Engineering Controls:** None required  
**Ventilation:** General ventilation recommended  
**Administrative Controls:** None required for normal use  
**Respiratory Protection:** None required for normal use  
**Protective Clothing/Equipment:** None required for normal use  
**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

### Section 9 - Physical and Chemical Properties

**Physical State:** Liquid aerosol  
**Appearance and Odor:** Clear, colorless liquid with an alcohol aroma.  
**Water Solubility:** Miscible  
**Odor Threshold:** Not determined  
**Vapor Pressure (mm Hg):** 22.6  
**Vapor Density (Air=1):** 2  
**Formula Weight:** N/A  
**Density:** Not determined  
**Other Solubilities:** Not determined  
**Boiling Point:** 180°F (Alcohol) / -44°F (propellant)  
**Freezing/Melting Point:** Not determined / Not determined  
**Viscosity:** Not determined  
**Refractive Index @25°C:** 1.385 (without propellant)  
**Surface Tension:** Not determined
Specific Gravity (H₂O=1, at 25° C): 0.85 (without propellants)  % Volatile: Not determined
pH: Not determined
Evaporation Rate (nBuAc=1): 2.83

Section 10 - Stability and Reactivity

Stability: Stable
Conditions to Avoid: Excessive heat, open flames and ignition sources.
Polymerization: Hazardous polymerization will not occur.
Chemical Incompatibilities: Strong oxidizing agents.
Hazardous Decomposition Products: Oxides of carbon

Section 11 - Toxicological Information

Toxicity Data
Eye Effects: None Known
Skin Effects: None
Acute Inhalation Effects: None Known
Acute Oral Effects: None Known
Chronic Effects: None Known
Carcinogenicity: None Known
Mutagenicity: None
Teratogenicity: None Known

Section 12 - Ecological Information

Ecotoxicity: Not determined
Environmental Fate: Not determined
Environmental Degradation: Not determined
Soil Absorption/Mobility: Not determined

Section 13 - Disposal Considerations

Disposal: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable federal, state, and local regulations.
Disposal Regulatory Requirements: Contact licensed waste disposal company for disposal regulatory requirements.
Container Cleaning and Disposal: Contact licensed waste disposal company for proper disposal.

Section 14 - Transport Information

DOT Transportation Data: 49 CFR 171.8: Consumer Commodity ORM-D material

Section 15 Regulatory Information

EPA Regulations: None known for normal use
OSHA Regulations: None known for normal use
State Regulations: May vary from state to state

Section 16 - Other Information

Additional Hazard Rating Systems: None Known