SAFETY DATA SHEET

NFPA Rating: Health: 1     Flammability: 3     Reactivity: 0     Special: 0

TELEPHONE CONTACTS:
Product Technical and Medical Information: (800) 433-8871
Transportation Emergency 24-Hour Response (CHEMTREC): (800) 424-9300

SECTION 1: PRODUCT IDENTIFICATION

Compound Name: VIVITE™ Skin Cleansing and Prepping Solution
Chemical Class: Mixture
Manufacturer's Name: Allergan, Inc.
Address: 2525 Dupont Drive
Irvine, CA 92612
Preparation Date: June 27, 2008

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: VIVITE™ Skin Cleansing & Prepping Solution may cause moderate to severe irritation to eyes. Do not allow contact with eyes. Product is flammable. Keep away from flames or other ignition sources.

<table>
<thead>
<tr>
<th>Hazard Classification (GHS):</th>
<th>Flammable Liquid (Category 3)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Eye Irritant (Category 2A)</td>
</tr>
</tbody>
</table>

Potential Health Effects:

EYE CONTACT: Contact with the eyes may result in moderate to severe irritation.

SKIN CONTACT: Prolonged contact with the skin may result in mild to moderate irritation.

INHALATION: Not likely to occur under normal conditions of use. Exposure to high concentrations of ethanol vapor can have a narcotic effect, producing symptoms of dizziness, drowsiness or headache.

INGESTION: May cause irritation, nausea and vomiting if swallowed.

CHRONIC EFFECTS: VIVITE™ Skin Cleansing & Prepping Solution has been shown to non-sensitizing, non-phototoxic, non-photoallergic, and non-comedogenic in humans. Prolonged exposure to excessive ethanol can affect the central nervous system, liver, blood and reproductive system.

June 27, 2008
### SECTION 3: COMPOSITION/HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Percent (By Weight)</th>
<th>Exposure Limits in Air (8 hr. TWA)</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>ALLERGAN OEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol</td>
<td>64-17-5</td>
<td>&lt;50</td>
<td>1000 ppm</td>
<td>1000 ppm</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

### SECTION 4: FIRST AID MEASURES

**Eye Contact:** If contact or irritation occurs, flush eyes with plenty of water for at least 15 minutes. Obtain medical attention if irritation or other symptoms occur.

**Skin Contact:** Wash skin thoroughly with soap and water. If irritation develops consult a physician. Thoroughly launder contaminated clothing before reuse.

**Inhalation:** Not likely to occur under normal conditions of use. If symptoms occur, move to fresh air and obtain medical attention. Treat symptomatically.

**Ingestion:** Treatment of an oral overdose includes supportive and symptomatic therapy. Consult a physician or poison control center immediately if symptoms develop.

### SECTION 5: FIRE FIGHTING MEASURES

**Flash Point and Method:** 82°F (Pensky Martens Closed Cup)

**Flammable Limits:** LEL: 3.3% (Ethyl alcohol)

**Autoignition Temperature:** 363 °C / 685 °F (Ethyl alcohol)

**Fire-Extinguishing Materials:** Use extinguishing media suitable for materials supporting combustion such as water fog, CO₂, foam, or dry chemical.

**Fire fighting Procedures:** Use self-contained breathing apparatus in enclosed or confined spaces or as otherwise needed.

**Unusual Fire and Explosion Hazards:** Product is flammable. Keep away from flames or other ignition sources.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

Sweep up or take up with absorbent material and wash with water. If large quantities are spilled, flush spill area with water.

### SECTION 7: HANDLING AND STORAGE

**Handling:** Avoid unintentional contact with skin surfaces. Do not allow contact with eyes. Wash thoroughly after handling. Observe all labeling precautions and protective equipment recommendations.
Storage: Store in a cool, dry location out of direct sunlight. Keep container closed when not in use.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: None necessary for normal product handling.

Respiratory Protection: None necessary for normal product handling. In the event of large spill clean-up, wear an approved air-purifying respirator with organic vapor cartridges when working with this material.

Eye Protection: None necessary for normal product handling. For large spill clean-up, use safety glasses to avoid eye contact.

Protective Clothing: None necessary for normal product handling. Clinicians repeatedly applying the product to patients should wear latex gloves when handling VIVITE™ Skin Cleansing & Prepping Solution.

Hygienic Work Practices: Wash hands thoroughly after handling. No eating, drinking, or smoking in area.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Clear liquid with slight alcohol odor

pH: 3.9 – 4.2 (Neat)

Melting Point/Freezing Point: No data for this product

Vapor Density (Air = 1): No data for this product

Boiling Point: 80 °C (Ethyl alcohol)

Evaporation Rate: No data for this product

Solubility in Water: Dispersible

Specific Gravity: 1.10-1.20 @ 25 °C

Vapor Pressure (mm Hg at 20° C): 30 mm @ 25°C (Ethyl Alcohol)

SECTION 10: STABILITY AND REACTIVITY

General: This product is stable and hazardous polymerization will not occur.

Incompatible Materials and Conditions to Avoid: Store away from oxidizers and heat. Store below 30 °C.

Hazardous Decomposition: None known
SECTION 11: TOXICOLOGICAL INFORMATION

Oral: The oral LD<sub>50</sub> for VIVITE<sup>TM</sup> Skin Cleansing & Prepping Solution, based on its alcohol content, can be calculated to be between 7.06 and 10.6 g/Kg when tested in rats.

Skin: Cumulative Irritation Testing: Twenty-three subjects participated in the study and were patch tested, on the upper back, with each of the test products daily for 14 days. Approximately 0.2 ml of each test material was applied onto a 2 cm x 2 cm semi-occlusive patch which was left in place for 24 hours Monday through Friday and 48 hours on Saturday for two consecutive weeks. Test sites were evaluated daily for erythema on a 0 (none) to 4 (severe) scale directly after patch removal and the scores were calculated via summation of the irritation values for each day. Maximum score per product was 1176.

Results/Conclusion: Table 1 depicts the cumulative irritation data curve for the experimental formulas tested. Based on the data obtained for products with a pH range between 3.9 - 4.2, VIVITE<sup>TM</sup> Skin Cleansing & Prepping Solution can be considered practically non-irritating and suitable for consumer use.

<table>
<thead>
<tr>
<th>Conc.</th>
<th>pH</th>
<th>Cumulative Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.0%</td>
<td>2.00</td>
<td>768/1176</td>
</tr>
<tr>
<td>10.0%</td>
<td>2.50</td>
<td>746/1176</td>
</tr>
<tr>
<td>10.0%</td>
<td>3.00</td>
<td>631/1176</td>
</tr>
<tr>
<td>10.0%</td>
<td>3.25</td>
<td>404/1176</td>
</tr>
<tr>
<td>10.0%</td>
<td>3.80</td>
<td>38/1176</td>
</tr>
<tr>
<td>15.0%</td>
<td>3.80</td>
<td>14/1176</td>
</tr>
<tr>
<td>20.0%</td>
<td>3.80</td>
<td>37/1176</td>
</tr>
<tr>
<td>10.0%</td>
<td>4.40</td>
<td>18/1176</td>
</tr>
</tbody>
</table>

Ocular: In Vitro Acute Ocular Irritation Assay: This formulation was applied to a semi-permeable cellulose membrane and placed into a cubette filled with a protein reagent. The sample reacts with the reagent producing turbidity, the turbidity measured, and the irritancy potential projected based on a correlation of a standard set of known points produced by the positive control.

Results/Conclusion: Due to the sensitivity of the assay to acid based products, this product produced a moderate/severe amount of irritation. However, in comparison to other commercially available products containing Glycolic Acid (with a known history of safe use in the market place) the irritation potential of this product was considered either equal to or less than those currently being marketed..

Sensitization: 100 Subject Repeat Insult Patch Test: Induction Period - Approximately 0.2 ml of this formulation was applied to a 2 cm x 2 cm square of Webril cotton fabric (affixed to Scanpor semi-occlusive surgical tape) and placed on the back of each subject between the scapulae and waist, adjacent to the spinal mid-line. The first induction patch was worn for a 48 hour period and was removed by a technician just prior to application of the second induction patch. Induction patches 2 through 9 were removed 24 hours after each application and the test site was allowed to rest for an additional 24 hours prior to repatching. All test sites were graded for erythema and edema prior to reapplication of the next patch. Rest Period - After the last induction reading, no patches were applied for 10 - 14 days. Challenge Period - After the rest period, subjects were patched with this formulation, as outlined above, at a naive site; Patches were removed by a technician after 48
hours; Erythema/edema were evaluated upon removal and at 96 hours post application.

Results/Conclusion: Scattered, transient, barely perceptible to mild non-specific irritation or low to moderate cumulative irritation was observed on 12% (12/99) of the subjects during the induction and/or challenge periods. None of these non-specific responses was considered to be irritant or allergic in nature.

Reproduction: Not tested
Mutagenicity: Not tested

SECTION 12: ECOLOGICAL INFORMATION

Persistence and Degradability: Readily and rapidly degradable.
Aquatic Toxicity: No data available on this product.

SECTION 13: DISPOSAL CONSIDERATIONS

This product is flammable, and is classified as "ignitable" when disposed of as a waste product. Dispose of this material in accordance with all applicable governmental regulations pertaining to ignitable wastes.

SECTION 14: TRANSPORT INFORMATION

ID 8000 Consumer Commodity, containing flammable solution ORM-D UN 1993 Flammable Liquid N.O.S. (Ethyl Alcohol Solution), Class 3, Pkg Group III.

SECTION 15: REGULATORY INFORMATION

TSCA (Toxic Substances Control Act):
Components of this product are listed on the TSCA Inventory.

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):
This product contains no components subject to reporting or notification requirements.

SARA Title III (Superfund Amendments and Reauthorization Act):
311/312 Hazard Categories: Fire hazard, Acute Health
313 Reportable Ingredients: None

WHMIS (Workplace Hazardous Materials Information System - Canada):
Not Regulated (Product is regulated by the Food and Drugs Act)

California Proposition 65:
This product contains no components known to the State of California to cause cancer or reproductive effects.

European Information In Accordance With EU Classification and Packaging Directives:
Hazard Symbol: Xi (Irritant); F (flammable)
Risk Phrases:
R 10 – Flammable
R 36 – Irritating to eyes

Safety Phrases:
S 7 – Keep container tightly closed.
S 16 – Keep away from sources of ignition. No smoking.
S 25 – Avoid contact with the eyes.

SECTION 16: OTHER INFORMATION

Revision Summary: MSDS prepared June 27, 2008

The preceding information is based on available data and is believed to be correct. However, no warranty is expressed or to be implied regarding the accuracy of this information, the results to be obtained from the use thereof or the hazards connected with the use of the material. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, Allergan does not assume any responsibility for the results of its use. This information is furnished upon the condition that the persons receiving it shall make their own determinations of the effects, properties, and protections which pertain to their particular conditions.