Material Safety Data Sheet

Section 1: Material Identification and Use:

**MATERIAL NAME/IDENTIFIER:** ONE STEP HAND SANITIZER (ALCOHOL)

<table>
<thead>
<tr>
<th>MANUFACTURER’S NAME</th>
<th>CHEMICAL NAME:</th>
<th>CHEMICAL FAMILY:</th>
<th>CHEMICAL FORMULA:</th>
<th>MOLECULAR WEIGHT:</th>
<th>TRADE NAME:</th>
<th>MATERIAL USE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belvedere International Inc.</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>One Step</td>
<td>Sanitizer</td>
</tr>
</tbody>
</table>

HAZARDS:
- HEALTH: 2
- FLAMMABILITY: 3
- REACTIVITY: 0
- PERSONAL PROTECTION: N

Section 2: Hazardous Ingredients:

<table>
<thead>
<tr>
<th>HAZARDOUS INGREDIENT</th>
<th>%</th>
<th>UN, NA, CAS NO.</th>
<th>LD-50(SPECIES &amp; ROUTE)</th>
<th>LC-50 (SPECIES &amp; ROUTE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl Alcohol</td>
<td>62%</td>
<td>CAS #64-17-5 UN # 1170</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

Section 3: Physical Data:

<table>
<thead>
<tr>
<th>PHYSICAL STATE:</th>
<th>COLOUR:</th>
<th>BOILING POINT:</th>
<th>FREEZING POINT:</th>
<th>% VOLATILES:</th>
<th>VAPOUR PRESSURE:</th>
<th>VAPOUR DENSITY (AIR=1)</th>
<th>SOLUBILITY IN WATER (20ºc)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscous Liquid</td>
<td>Colourless, Clear</td>
<td>78.3 ºC</td>
<td>- 114.1 ºC</td>
<td>60% - 65%</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Complete</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>pH:</th>
<th>EVAPORATION RATE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.0-8.0</td>
<td>1.7</td>
</tr>
</tbody>
</table>

Section 4: Fire and Explosion Data:

- **FLAMMABILITY:** Flammable
- **CONDITIONS OF FLAMMABILITY:** Contact with spark or open flame
- **METHODS OF EXTINCTION:** Water/Carbon Dioxide Foam
- **SPECIAL PROCEDURES:** Keep product away from any source of sparks or open flame
- **FLASHPOINT (ºC) AND METHOD:** 21 ºC (Tag closed cup, ASTM D-56)
- **U.E.L. (% BY VOLUME):** Not Available
- **L.E.L. (% BY VOLUME):** Not Available
- **SENSITIVITY TO IMPACT:** None
- **SENSITIVITY TO STATIC DISCHARGE:** Not Available
- **RATE OF BURNING:** Not Available
- **EXPLOSIVE POWER:** Not Available

Section 5: Reactivity Data:

- **CHEMICAL STABILITY:** Stable
- **COMPATIBLE WITH OTHER SUBSTANCES:** Yes
- **REACTIVITY UNDER WHAT CONDITIONS:** Burning
- **HAZARDOUS DECOMPOSITION PRODUCTS:** Burning can produce carbon monoxide and/or carbon dioxide
- **NAME UNSTABLE CONDITIONS:** Mixture with oxidizing materials
- **NAME INCOMPATIBILITIES:** Strong oxidizing materials
Material Safety Data Sheet

MATERIAL NAME/IDENTIFIER: ONE STEP HAND SANITIZER (ALCOHOL)

Section 6: Toxicological Properties:

<table>
<thead>
<tr>
<th>ROUTE OF ENTRY</th>
<th>SKIN CONTACT</th>
<th>SKIN ABSORPTION</th>
<th>EYE CONTACT</th>
<th>INHALATION ACUTE</th>
<th>INHALATION CHRONIC</th>
<th>INGESTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>SKIN CONTACT</td>
<td></td>
<td></td>
<td>X</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>SKIN ABSORPTION</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EYE CONTACT</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INHALATION ACUTE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INHALATION CHRONIC</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INGESTION</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

EFFECTS OF ACUTE EXPOSURE TO THE MATERIAL:
None under normal conditions.
EFFECTS OF CHRONIC EXPOSURE TO THE MATERIAL:
None under normal conditions.

LD-50 OF MATERIAL (ROUTE & SPECIES)
Not Available

LC-50 OF MATERIAL (ROUTE & SPECIES)
Not Available

EXPOSURE LIMIT FOR THE MATERIAL
Not Available

SENSITIZING CAPACITY OF THE MATERIAL
None Known

REPRODUCTIVE EFFECTS OF THE MATERIAL
None Known

Section 7: Preventive Measures:

PERSONAL PROTECTIVE EQUIPMENT:
None required under normal conditions

GLOVES (SPECIFY):
None required under normal conditions

RESPIRATOR (SPECIFY):
None required under normal conditions

FOOTWEAR (SPECIFY):
None required under normal conditions

CLOTHING (SPECIFY):
None required under normal conditions

ENGINEERING CONTROLS (SPECIFY):
Fire-proof and explosion-proof equipment must be used during manufacturing

LEAK & SPILLAGE PROCEDURE:
Pick up large spills and transfer to suitable sealed containers

WASTE DISPOSAL:
Contact local authorities for disposal method

HANDLING PROCEDURES & EQUIPMENT:
Keep the product away from sources of heat, spark or open flame

STORAGE REQUIREMENTS:
Store between 15°C and 30°C

SPECIAL SHIPPING INFORMATION (TDG):
Class 3 Flammable liquid; Make certain that all shipping containers are properly labeled

OTHER INFORMATION:
Do not mix with other chemicals

Section 8: First Aid Measures:

INHALATION:
Give plenty of fresh air. Call physician if dizziness or any discomfort is observed.

INGESTION:
Give plenty of milk or water. Call Physician

EYE CONTACT:
Flush for 10 minutes with running water. Call physician, if any irritation is present or develops.

SKIN CONTACT:
None required under normal conditions

Section 9: Information Sources Used:

SOURCES:
Raw material suppliers’ data sheets.

Section 10: WHMIS Classification:

WHMIS CLASS:
Class B Division 2: Flammable liquid

Section 11: MSDS Preparation Information:

PREPARED BY: Claude Raad
PHONE NUMBER: (905) 568-0700
DATE: December 11, 2014