MATERIAL SAFETY DATA SHEET

Claire Manufacturing Company
1005 Westgate Drive
Addison, IL  60101

GENERAL INFORMATION NUMBER: (800) 252-4731        REVISION DATE: January 8, 2013
Emergency: (866) 836-8855        DATE OF ISSUE: May 20, 2014

I - Product Identification

Claire Broad Spectrum Germicidal & Disinfectant Wipe

PRODUCT CODE: 989
CHEMICAL FORMULATION: Premoistened towelette.
NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 1  FLAMMABILITY: 1  REACTIVITY: 0
HAZARD RATING:  4 - Extreme;  3 - High;  2 - Moderate;  1 - Slight;  0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

<table>
<thead>
<tr>
<th>SUBSTANCE</th>
<th>APPROX %</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>EPA 40 CFR:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decyldimethyloctylammonium chloride</td>
<td>0.0909</td>
<td>N/E</td>
<td>N/E</td>
<td>N</td>
</tr>
<tr>
<td>Dimethyldioctylammonium chloride</td>
<td>0.0364</td>
<td>N/E</td>
<td>N/E</td>
<td>N</td>
</tr>
<tr>
<td>Didecyldimethylammonium chloride</td>
<td>0.0545</td>
<td>N/E</td>
<td>N/E</td>
<td>N</td>
</tr>
<tr>
<td>Quaternary ammonium compounds, benzyl-C12-16-</td>
<td>0.1212</td>
<td>N/E</td>
<td>N/E</td>
<td>N</td>
</tr>
<tr>
<td>alkyldimethyl, chlorides</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Key:  PEL: Permissible Exposure Limit  TLV: Threshold Limit Value  C: Ceiling level  STEL: Short Term Exposure Limit
      N/A: Not Applicable  N/D: Not Determined  N/E: Not Established  Y: Yes  N: No

372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - Physical Data

<p>| | | | | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>BOILING POINT (°F):</td>
<td>N/D</td>
<td>SPECIFIC GRAVITY (WATER = 1):</td>
<td>1.0*</td>
<td></td>
</tr>
<tr>
<td>VAPOR PRESSURE (mm Hg):</td>
<td>N/D</td>
<td>VOC CONTENT (% by weight):</td>
<td>&lt;1.0*</td>
<td></td>
</tr>
<tr>
<td>VAPOR DENSITY (AIR = 1):</td>
<td>N/D</td>
<td>EVAPORATION RATE (WATER = 1):</td>
<td>N/D</td>
<td></td>
</tr>
<tr>
<td>SOLUBILITY IN WATER:</td>
<td>Soluble*</td>
<td>pH:</td>
<td>10.5 – 12.0</td>
<td></td>
</tr>
<tr>
<td>APPEARANCE AND ODOR:</td>
<td>White towel impregnated with a clear liquid; lemon fragrance.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Tested using the liquid component of the towelette.

IV - Fire and Explosion Hazard Data

<p>| | | |</p>
<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>FLASH POINT (°F):</td>
<td>&gt; 200.01*</td>
<td>(TEST METHOD): Closed cup</td>
</tr>
<tr>
<td>FLAMMABLE LIMITS IN AIR (VOLUME %):</td>
<td>UPPER: N/D</td>
<td>LOWER: N/D</td>
</tr>
<tr>
<td>EXTINGUISHING MEDIA:</td>
<td>Water spray, dry powder, foam.</td>
<td></td>
</tr>
<tr>
<td>SPECIAL FIRE FIGHTING PROCEDURES:</td>
<td>Cool fire exposed containers with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.</td>
<td></td>
</tr>
<tr>
<td>UNUSUAL FIRE AND EXPLOSION HAZARD:</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

*Tested using the liquid component of the towelette.
V - Reactivity Data

STABILITY: Stable
INCOMPATIBILITY: Strong oxidizers.
CONDITIONS TO AVOID: Excess heat and open flame.
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce irritating gases and vapors.
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: None

VI - Health Hazard Data

ROUTES OF ENTRY
INHALATION: X
EYE CONTACT: X
SKIN CONTACT: X
INGESTION: X

INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS: None

EFFECTS OF OVEREXPOSURE
IF IN EYES: Causes eye irritation.
IF ON SKIN: Causes skin irritation.
IF SWALLOWED: May be harmful or fatal if swallowed.
IF INHALED: May cause mild irritation to the upper respiratory tract.

EMERGENCY AND FIRST AID PROCEDURES
IF IN EYES: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Call a physician immediately.
IF ON SKIN: After contact with skin, wash immediately with plenty of soap and water. Consult a physician.
IF SWALLOWED: Call a physician immediately. Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
IF INHALED: Remove person to fresh air. If breathing is irregular or stopped, administer artificial respiration.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate area and remove all sources of ignition. Scoop up material and place in a properly marked closed container for proper disposal.
WASTE DISPOSAL METHOD: Consult local environmental authorities.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation.
VENTILATION
LOCAL: Recommended
MECHANICAL: Not required

PROTECTIVE GLOVES: Handle in accordance with good industrial hygiene and safety practice.
EYE PROTECTION: Safety glasses with side shields.
OTHER PROTECTIVE EQUIPMENT: None.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry place away from heat or open flame. Keep container tightly closed when not in use.
OTHER PRECAUTIONS: Keep out of reach of children.

IX - Transportation Information (ground transportation only)

DOT ID NUMBER: None
DOT PROPER SHIPPING NAME: None
DOT CLASS: None
DOT PACKING GROUP: None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

REVISION DATE: January 8, 2013
Prepared by: Technical Dept.
DATE OF ISSUE: May 20, 2014

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