Section 1. Identification

Product Identifier: MedSpa Roll-On Antiperspirant Deodorant
Synonyms: MSC095010; MSD_SDS0076
Manufacturer Stock Numbers: MSC095010

Recommended use: Antiperspirant; reduces underarm wetness.
Uses advised against: Apply to underarms only.

Manufacturer Contact
Address: Medline Industries, Inc.
3 Lakes Drive
Northfield, IL, 60093
USA

Phone: (800) 633-5463
Emergency Phone: (800) 424-9300
Fax: (847) 643-4436

Website: www.Medline.com

Section 2. Hazards Identification

Classification: No OSHA Hazard Classifications Applicable - Category N.A.
Signal Word: None
Pictogram: None
Hazard Statements: No OSHA Hazard Classifications Applicable
Precautionary Statements
  Response: N/A
  Prevention: N/A
  Storage: N/A
Section 3. Ingredients

<table>
<thead>
<tr>
<th>CAS</th>
<th>Ingredient Name</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>12042-91-0</td>
<td>Aluminum chloride hydroxide (Al2Cl(OH)5)</td>
<td>10% - 25%</td>
</tr>
</tbody>
</table>

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

General: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation: N.A.

Eye Contact: Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

Skin Contact: If irritation develops, wash area with soap and water and discontinue use.

Ingestion: If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed: Overview:

No specific symptom data available.

See section 2 for further details.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media: Alcohol resistant foam, CO2, powder, water spray.

Unsuitable Extinguishing Media: Water jet.

Specific hazards arising from the chemical: Hazardous decomposition:

Chlorine compounds, metal oxides.

Advice for firefighters: None.
Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:
Use personal protection equipment recommended in Section 8.

Environmental precautions:
Do not allow spills to enter drains or waterways.
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Methods and material for containment and cleaning up:
Flush with water.

Section 7. Handling and Storage

Precautions for safe handling:
See section 2 for further details.

Conditions for safe storage, including any incompatibilities:
Handle containers carefully to prevent damage and spillage.

Incompatible materials:
Incompatible with strong oxidizing agents.

Specific End use(s):
Other precautions
For external use only, Keep out of reach of children. Do not use on broken skin. Ask a doctor before use if you have kidney disease.

Section 8. Exposure Controls/Personal Protection

<table>
<thead>
<tr>
<th>Occupational Exposure Limits</th>
<th>Ingredient Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Aluminum chloride hydroxide (Al2Cl(OH)5)</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Personal Protective Equipment
N/A

Respiratory Protection:
Avoid breathing dust/fume/gas/mist/vapours/spray.

Eye Protection:
Safety glasses with side shields or goggles.

Skin Protection:
Protective gloves: Rubber

Engineering Controls:
N.A.

Other Work Practices:
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.
### Section 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Clear to slight hazy liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Floral</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not measured</td>
</tr>
<tr>
<td>Solubility</td>
<td>Complete</td>
</tr>
<tr>
<td>Partition coefficient water/octanol</td>
<td>Not measured</td>
</tr>
<tr>
<td>VOC%</td>
<td>N/A</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not measured</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.1</td>
</tr>
<tr>
<td>Density lbs/Gal</td>
<td>N/A</td>
</tr>
<tr>
<td>Pounds per Cubic Foot</td>
<td>N/A</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not flammable</td>
</tr>
<tr>
<td>FP Method</td>
<td>N.D.</td>
</tr>
<tr>
<td>pH</td>
<td>4.0-4.6</td>
</tr>
<tr>
<td>Melting Point</td>
<td>N.A.</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>100°C</td>
</tr>
<tr>
<td>Boiling Range</td>
<td>N.D.</td>
</tr>
<tr>
<td>LEL</td>
<td>N/A</td>
</tr>
<tr>
<td>UEL</td>
<td>N/A</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>&gt;1 (Butyl Acetate = 1)</td>
</tr>
<tr>
<td>Flammability</td>
<td>N.A.</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not measured</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>Not measured</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>N.A.</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>&gt;1</td>
</tr>
</tbody>
</table>

- **Assay-Aluminum Chlorohydrate (Anhydrous):** 9.0%-11.0% (HAP-005)
- **Total aerobic count:** <100 cfu/mL (SOP 2-09-205)
- **Other information:** No other relevant information.

### Section 10. Stability and Reactivity

- **Reactivity:** Hazardous Polimerization will not occur.
- **Stability:** Stable under normal conditions.
Possibility of Hazardous Reactions: N.D.
Conditions to avoid: N.D.
Incompatibility (Materials to Avoid):
Strong oxidizing agents.
Hazardous Decomposition or Byproducts
Chlorine compounds. Metal oxides.

Section 11. Toxicological Information

Acute Toxicity: Component:
Aluminum chloride hydroxide (Al2Cl(OH)5) CAS-No. 12042-91-0

Oral LD50
No data available.

Skin LD50
No data available.

Inhalation Vapor LD50
No data available.

Inhalation Dust/Mist LD50
No data available.

Inhalation Gas LD50
No data available.

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Acute Toxicity: Oral
N.A.

Acute Toxicity: Dermal
N.A.

Acute Toxicity: Inhalation
N.A.

Skin corrosion/irritation:
N.A.

Serious eye damage/Eye irritation:
N.A.

Respiratory Sensitization:
N.A.

Skin Sensitization:
N.A.

Germ cell Mutagenicity:
N.A.

Carcinogenicity:
N.A.

Reproductive Toxicity:
N.A.

Specific Target Organ Toxicity - Single exposure:
N.A.

Specific Target Organ Toxicity - Repeated exposure:
N.A.

Aspiration hazard:
N.A.
Section 12. Ecological Information

Toxicity: No additional information provided for this product. See section 3 for chemical specific data.

Aquatic toxicity: Ingredient: Aluminum chloride hydroxide (Al2Cl(OH)5) CAS-No. 12042-91-0

96 hr LC50 fish, mg/l Not available.

48 hr EC50 crustacea, mg/l Not available.

ErC50 algae, mg/l Not available.

Persistence and degradability: There is no specific data available for this product

Bioaccumulative potential: Not measured.

Mobility: No information available.

Results of PBT and vPvB Assessment: This product contains no PBT/vPvB chemicals.

Other adverse effects: No information available.

Section 13. Disposal

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14. Transport Information

UN Number: N/A
UN Proper Shipping Name: Not Regulated
DOT Classification: Not Regulated
Packing Group: Not Regulated

Section 15. Regulatory Information

SARA 311/312: Refer to Section 2 of the SDS.
SARA 302: N.A.
SARA 304: N.A.
SARA 313: N.A.
TSCA: All components are listed or exempt.
CERCLA Hazardous Substance List: N.A.
Clean Air Act (CAA) Section 112, 112 (r): N.A.
State Regulations: N.A.
Section 16. Other Information

Revision Date 7/12/2019
Legend
N.A. - Not Applicable
N.E. - Not Established
N.D. - Not Determined
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