Safety Data Sheet
SPECTRUM ANTIBACTERIAL HAND SOAP

Section 1. Identification

Product Identifier: SPECTRUM ANTIBACTERIAL HAND SOAP
Synonyms: MSD_SDS0274; HHABSPG; HHABSP04; HHABSP16; HHABSP75; HHABSP1000
Manufacturer Stock Numbers: HHABSPG; HHABSP04; HHABSP16; HHABSP75; HHABSP1000
Recommended use: Hand soap.
Uses advised against: No information available.
Manufacturer Contact Address: Medline Industries, Inc.
3 Lakes Drive
Northfield, IL, 60093
USA
Phone: (800) 633-5460
Emergency Phone: (800) 424-9300
Fax: (847) 643-4436
Website: www.Medline.com

Section 2. Hazards Identification

Classification: EYE DAMAGE/IRRITATION - Category 2
Signal Word: Warning
Pictogram
Hazard Statements
Causes serious eye irritation

Precautionary Statements
Response
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention

Prevention
Wash face, hands and any exposed skin thoroughly after handling. Wear eye/face protection. Wear protective gloves/protective clothing/eye protection/face protection.

Storage
N/A

Disposal
N/A

Ingredients of unknown toxicity
0%

Hazards not Otherwise Classified
Hazards not otherwise classified: Not applicable.

Unknown Toxicity:
1.50001% of the mixture consists of ingredients(s) of unknown toxicity.

Other Information:
Causes mild skin irritation
Harmful to aquatic life with long lasting effects
Toxic to aquatic life

Interactions with Other Chemicals:
No information available.

Section 3. Ingredients

<table>
<thead>
<tr>
<th>CAS</th>
<th>Ingredient Name</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>7732-18-5</td>
<td>Water</td>
<td>50% - 100%</td>
</tr>
<tr>
<td>61789-40-0</td>
<td>Cocamidopropyl Betaine</td>
<td>10% - Max</td>
</tr>
<tr>
<td>3567-66-6</td>
<td>2,7-Naphthalenedisulfonic acid, 5-amino-4-hydroxy-3-(phenylazo)-, disodium salt</td>
<td>10% - Max</td>
</tr>
<tr>
<td>25956-17-6</td>
<td>2-Naphthalenesulfonic acid, 6-hydroxy-5-[(2-methoxy-5-methyl-4-sulfophenyl)azo]-</td>
<td>10% - Max</td>
</tr>
<tr>
<td>1934-21-0</td>
<td>1H-Pyrazole-3-carboxylic acid, 4,5-dihydro-5-oxo-1-(4-sulfophenyl)-4-[4-sulfoph</td>
<td>10% - Max</td>
</tr>
<tr>
<td>4065-45-6</td>
<td>Benzenesulfonic acid, 5-benzoyl-4-hydroxy-2-methoxy-</td>
<td>10% - Max</td>
</tr>
<tr>
<td>6440-58-0</td>
<td>2,4-Imidazolidinedione, 1,3-bis(hydroxymethyl)-5,5-dimethyl-</td>
<td>10% - Max</td>
</tr>
<tr>
<td>64-02-8</td>
<td>Glycine, N,N’-1,2-ethanediylbis[N-(carboxymethyl)-, tetrasodium salt</td>
<td>10% - Max</td>
</tr>
<tr>
<td>77-92-9</td>
<td>1,2,3-Propanetricarboxylic acid, 2-hydroxy-</td>
<td>10% - Max</td>
</tr>
<tr>
<td>53533-75-8</td>
<td>Disteareth-75 IPDI</td>
<td>10% - Max</td>
</tr>
<tr>
<td>56-81-5</td>
<td>Glycerin</td>
<td>10% - Max</td>
</tr>
<tr>
<td>112-02-7</td>
<td>1-Hexadecanaminium, N,N,N-trimethyl-, chloride</td>
<td>10% - Max</td>
</tr>
<tr>
<td>58846-77-8</td>
<td>Decyl Glucoside</td>
<td>10% - Max</td>
</tr>
<tr>
<td>7647-14-5</td>
<td>Sodium chloride (NaCl)</td>
<td>10% - Max</td>
</tr>
<tr>
<td>9005-08-7</td>
<td>PEG-150 Distearate</td>
<td>10% - Max</td>
</tr>
<tr>
<td>1643-20-5</td>
<td>1-Dodecanamine, N,N-dimethyl-, N-oxide</td>
<td>10% - Max</td>
</tr>
<tr>
<td></td>
<td>Fragrance</td>
<td>10% - Max</td>
</tr>
<tr>
<td>68391-01-5</td>
<td>Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides</td>
<td>0.13% - Min</td>
</tr>
</tbody>
</table>

Occupational exposure limits, if available, are listed in Section 8.
Section 4. First-Aid Measures

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

Skin Contact: If skin irritation or allergic reactions occur, see a physician.

Inhalation: Remove to fresh air.

Ingestion: Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.

Most important symptoms and effects, both acute and delayed:

Most Important Symptoms and Effects:

Burning sensation.

Indication of any immediate medical attention and special treatment needed:

Notes to physician:

Treat symptomatically.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: CAUTION:

Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical:

No information available.

Uniform Fire Code:

Irritant: Liquid

Explosion data:

Sensitivity to Mechanical Impact:

No Sensitivity to Static Discharge:

No

Protective Equipment and Precautions for Firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Personal Precautions:

Avoid contact with eyes. Use personal protective equipment as required.

Other information:

Refer to protective measures listed in Sections 7 and 8.

Environmental Precautions:

Environmental Precautions:

See section 12 for additional ecological information.

Methods and Materials for Containment and Cleaning up:

Methods for Containment:

Prevent further leakage or spillage if safe to do so.

Methods for Cleaning up:

Soak up with inert absorbent material. Pick up and transfer to properly labeled
Section 7. Handling and Storage

Precautions for safe handling:
Handling:
Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes. Do not eat, drink or smoke when using this product.

Storage:
Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Products:
None known based on information supplied.

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>Water</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>Cocamidopropyl Betaine</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>2,7-Naphthalenedisulfonic acid, 5-amino-4-hydroxy-3-(phenylazo)-, disodium salt</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>2-Naphthalenesulfonic acid, 6-hydroxy-5-[(2-methoxy-5-methyl- 4-sulfophenyl)azo]-</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>1H-Pyrazole-3-carboxylic acid, 4,5-dihydro-5-oxo-1-[(4-sulfophenyl)-4-[(4-sulfoph</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>Benzenesulfonic acid, 5-benzoxy-4-hydroxy-2-methoxy-</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>2,4-Imidazolidinedione, 1,3-bis(hydroxymethyl)-5,5-dimethyl-</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, tetrasodium salt</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>1,2,3-Propanetricarboxylic acid, 2-hydroxy-</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>Disteareth-75 IPDI</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>Glycerin</td>
<td>TWA: 10 mg/m3 (mist)</td>
<td>TWA: 15 mg/m3 mist, total particulate&lt;BR&gt;TWA: 5 mg/m3 mist, respirable fraction (vacated)&lt;BR&gt;TWA: 10 mg/m3 mist, total particulate (vacated)&lt;BR&gt;TWA: 5 mg/m3 mist, respirable fraction</td>
<td>N/A</td>
</tr>
</tbody>
</table>
1-Hexadecanaminium, N,N,N-trimethyl-, chloride  N/A  N/A  N/A
Decyl Glucoside  N/A  N/A  N/A
Sodium chloride (NaCl)  N/A  N/A  N/A
PEG-150 Distearate  N/A  N/A  N/A
1-Dodecanamine, N,N-dimethyl-, N-oxide  N/A  N/A  N/A
Fragrance  N/A  N/A  N/A
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides  N/A  N/A  N/A

Personal Protective Equipment
Exposure guidelines:

There is no exposure data pertaining to the Product. This section reflects exposure data pertaining to individual ingredients.

Appropriate Engineering Controls:

Engineering Measures:
Showers
Eyewash stations
Ventilation systems

Eye/Face Protection:
Wear safety glasses with side shields (or goggles).

Skin and Body Protection:
Wear protective gloves and protective clothing.

Respiratory Protection:
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures:
Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

Section 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Slightly viscous liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Clear, orange-pink, slightly viscous liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Floral, soapy</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No information available</td>
</tr>
<tr>
<td>Property</td>
<td>Value</td>
</tr>
<tr>
<td>--------------------------------------</td>
<td>------------------------------</td>
</tr>
<tr>
<td>Solubility</td>
<td>Miscible with water</td>
</tr>
<tr>
<td>Partition coefficient Water/n-octanol</td>
<td>None known</td>
</tr>
<tr>
<td>VOC%</td>
<td>N/A</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.01</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>None known</td>
</tr>
<tr>
<td>FP Method</td>
<td>None known</td>
</tr>
<tr>
<td>pH</td>
<td>5.0</td>
</tr>
<tr>
<td>Melting Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling Range</td>
<td>No data available</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>No data available</td>
</tr>
<tr>
<td>Flammability</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>No data available</td>
</tr>
</tbody>
</table>

**Section 10. Stability and Reactivity**

Reactivity: No data available.

Chemical Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: None under normal processing.

Hazardous Polymerization Conditions to avoid: Hazardous polymerization does not occur.

Incompatibility (Materials to Avoid): None known.

Hazardous Decomposition Products: None known.

When used in accordance with the directions.
There is no data for this product. The information included in this section describes the potential hazards of the individual ingredients.

**Product information:**

**Eye contact:**
Specific test data for the substance or mixture is not available.

**Skin contact:**
Specific test data for the substance or mixture is not available.

**Inhalation:**
Specific test data for the substance or mixture is not available.

**Ingestion:**
Specific test data for the substance or mixture is not available.

**Component Information:**

- **Chemical Name:**
  Water CAS-No. 7732-18-5
  Oral LD50
  $> 90 \text{ mL/kg (Rat)}$
  Dermal LD50
  -
  Inhalation LC50
  -

- **Chemical Name:**
  Cocamidopropyl Betaine CAS-No. 61789-40-0
  Oral LD50
  $= 4900 \text{ mg/kg (Rat)}$
  Dermal LD50
  -
  Inhalation LC50
  -

- **Chemical Name:**
  Sodium Chloride-No. 7647-14-5
  Oral LD50
  $= 3 \text{ g/kg (Rat)}$
  Dermal LD50
  -
  Inhalation LC50
  $> 42 \text{ g/m3 (Rat) 1 h}$

- **Chemical Name:**
  Glycerin CAS-No. 56-81-5
  Oral LD50
  -
  Dermal LD50
  $> 10 \text{ g/kg (Rabbit)}$
  Inhalation LC50
  -

**Information on Toxicological Effects:**

**Symptoms:**
Redness of the skin. May cause redness and tearing of the eyes.
Delayed-immediate effects, also chronic effects from short & long term exposure:

- Sensitization: No information available.
- Mutagenic Effects: No information available.
- Carcinogenicity: Contains no ingredient listed as a carcinogen.
- Reproductive Toxicity: No information available.
- Specific Target Organ Toxicity - Single Exposure: No information available.
- Specific Target Organ Toxicity - Repeated Exposure: No information available.
- Target Organ Effects: Eyes, Skin.
- Aspiration Hazard: No information available.

Numerical measures of toxicity:

- Product Information: The following values are calculated based on chapter 3.1 of the GHS document.
  - ATEmix (oral): 30,225.00 mg/kg
  - ATEmix (dermal): 33,333.00 mg/kg (ATE)

Section 12. Ecological Information

There is no ecological data on the Product. The Product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices.

- Ecotoxicity: Toxic to aquatic organisms. Harmful to aquatic life with long lasting effects.
- Persistence and degradability: No information available.
- Bioaccumulation: No information available.
- Other adverse effects: No information available.

Section 13. Disposal

Waste Treatment Methods: Waste Disposal Methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

- Contaminated packaging: Dispose of in accordance with local regulations.
- California Hazardous Waste Codes: 561

Section 14. Transport Information

UN Number: N/A
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):
State Regulations: New Jersey Dept. of Health RTK: Glycerin
Pennsylvania RTK: Glycerin
Rhode Island RTK: Glycerin

Section 16. Other Information

Revision Date 7/20/2018
Legend N.A. - Not Applicable
N.E. - Not Established
N.D. - Not Determined
HMIS (U.S.A.): Health Hazard 2
HMIS (U.S.A.): Flammability O
HMIS (U.S.A.): Physical Hazard O
HMIS (U.S.A.): Personal Protection X
National Fire Protection Association (U.S.A): Health Hazard 2
National Fire Protection Association (U.S.A): Flammability 0
National Fire Protection Association (U.S.A): Instability Hazard O
National Fire Protection Association (U.S.A): Physical and Chemical Hazards None.
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