SECTION 1 – IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product Identifier
Product Name
JEENATE AOS-40

1.2 EC-No. Registration Number
Ingredient | Registration Number
Sodium C14-C16 Olefin Sulfonate | 01-2119513401-57

1.3 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against
Identified uses
Cosmetic raw material

1.4 Details of the Supplier of the Safety Data Sheet
Company
JEEN International Corporation
24 Madison Road
Fairfield, New Jersey 07004
Tel: +1-973-439-1401
Fax: +1-973-439-1402
email: info@jeen.com
Website: www.jeen.com

1.4 Emergency telephone number
+1703-527-3887(Chemtrec Int'l Tel - Collect calls accepted)

SECTION 2 – HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture according to Regulation (EC) 1272/2008
Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 2

2.2 Label Elements according to Regulation (EC) EU 1272/2008
Signal words
Warning
GHS07
GHS09

Hazard pictogram
H315: Causes skin irritation
H319: Causes serious eye irritation
H411: Toxic to aquatic life with long lasting effects

Precautionary statements
P273: Avoid release to the environment
P280: Wear protective gloves/protective clothing/eye protection/face protection

2.3 Other Hazards
None known/

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixture
Chemical characterization
INCI
Sodium C14-C16 Olefin Sulfonate
Sodium Chloride

Cosmetic ingredients
SAFTY DATA SHEET
According to Regulation (EC) No 1907/2006 (REACH)

Revision Date: August 15, 2018
Version No.: 4

CAS      68439-57-6   7647-14-5
EC       270-407-8   231-598-3
Concentration       36.0-42.0%   1.0%

INCI       Sodium Sulfate    Water
CAS      7757-82-6   7732-18-5
EC       231-820-9   231-791-2
Concentration       1.0%    56.0-64.0%

SECTION 4 – FIRST AID MEASURES

4.1 Description of First Aid Measures
Eye Contact    Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.
Skin Contact    Wash off immediately with soap and water removing all contaminated clothes and shoes. If symptoms persist, call a physician.
Ingested    Drink plenty of water. Do not induce vomiting without medical advise. Consult a physician.
Inhalation    Move to fresh air and observe. If symptoms persist, call a physician.

SECTION 5 – FIRE FIGHTING MEASURES

5.1 Flammable Properties
Non-flammable water solution.

5.2 Flammable Limits
Not determined.

5.3 Hazardous Combustion Products
Oxides of carbon and sulfur.

5.4 Special Fire Fighting Procedures
Method: Water mist may be used to cool closed containers.

5.5 Suitable Extinguishing Media

5.6 Unusual Fire and Explosive Hazards
None

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 Methods and Material for Containment and Cleaning Up
Small Spillages
Recover all useable material. Soak up balance with sand or dirt. Material with sand or dirt. Material is slippery on wet or hard surfaces.

Large Spillages
In case of large spill by truck, use small spill procedure and a vacuum truck. Call Chemtrec @ 1-800-424-9300.
SECTION 7 – HANDLING AND STORAGE

7.1 Precautions for Safe Handling
Wear personal protective equipment. Avoid contact with skin, eyes and clothing.

7.2 Condition for Safe Storage, including any Incompatibilities
Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Containers should be stored at temperatures between 50 F and 100 F. JEENATE AOS-40 can begin crystallizing at temperatures below 45F (7C). The product requires heat and strong agitation to get the crystals to dissolve. On the high end, JEENATE AOS-40 should not be heated above 120F (48C) or the preservative will begin to degrade.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Engineering Measures
Ensure adequate ventilation, especially in confined areas. Ensure Adequate ventilation, especially in confined areas.

Eye/face protection
Tightly fitting safety goggles. If splashes are likely to occur. Wear face shield.

Skin protection
Wear protective gloves/clothing.

Respiratory Protection
No special protective equipment required, unless workers are exposed to concentrations above the exposure limit.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point/Range</td>
<td>100 C</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>25 mm HG @ 25 C</td>
</tr>
<tr>
<td>Volatile Weight %</td>
<td>56-64</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Soluble in all proportions</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.05</td>
</tr>
<tr>
<td>pH</td>
<td>7-9</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight</td>
</tr>
<tr>
<td>Appearance</td>
<td>Yellow Amber Liquid</td>
</tr>
</tbody>
</table>

SECTION 10 – STABILITY AND REACTIVITY

10.1 Chemical Stability
Stable under normal conditions.

10.2 Incompatible Materials
Strong oxidizing agents

10.3 Conditions to Avoid
Strong oxidizers

10.4 Hazardous Decomposition Products
None under normal use

10.5 Hazardous Polymerization
No information available.
SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Information

<table>
<thead>
<tr>
<th>Effect</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye</td>
<td>Eye irritation</td>
</tr>
<tr>
<td>Skin</td>
<td>Skin irritation</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Unknown</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Unknown</td>
</tr>
<tr>
<td>Chronic Toxicity</td>
<td>No information available</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Product is not listed</td>
</tr>
<tr>
<td>Hazard Type</td>
<td>Skin/eye irritant</td>
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</table>

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Information on Ecological Effects

<table>
<thead>
<tr>
<th>Component</th>
<th>Sodium Chloride</th>
<th>Sodium Sulfate (Solution)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshwater Algae</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Freshwater Fish</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Microtox</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Water Flea</td>
<td>EC50=1000 MG/L 48 H</td>
<td>EC50=2564 MG/L 48H</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EC50=4547 MG/L 96H</td>
</tr>
</tbody>
</table>

12.2 Ecological Effects

This surfactant complies with the biodegradability criteria as laid down in regulation (EC) No. 648/2004

12.3 Chemical Fate

Material is readily biodegradable.

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Dispose of contents/container in accordance with local regulation.

SECTION 14 – TRANSPORTATION INFORMATION

14.1 DOT               | Not Regulated          |
14.2 ICAO              | Not Regulated          |
14.3 IATA              | Not Regulated          |
14.4 IMDG/IMO          | Not Regulated          |
14.5 RID               | Not Regulated          |
14.6 ADR               | Not Regulated          |
SECTION 15 – REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>TSCA</th>
<th>DSL</th>
<th>NDSL</th>
<th>EINECS</th>
<th>ELINCS</th>
<th>ENCS</th>
<th>CHINA</th>
<th>KECL</th>
<th>PICCS</th>
<th>AICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SULFURIC ACID, MONO-C10-16-ALKYL ESTERS, SODIUM SALTS</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>X</td>
<td>-</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>SODIUM CLORIDE</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>X</td>
<td>-</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>WATER</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>X</td>
<td>-</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>SODIUM SULFATE (SOLUTION)</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>X</td>
<td>-</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

USA FEDERAL REGULATIONS

SARA 313


SARA 311/312 HAZARDOUS CATEGORIZATION

ACUTE HEALTH HAZARD: YES
CHRONIC HEALTH HAZARD: NO
FIRE HAZARD: NO
SUDDEN RELEASE OF PRESSURE HAZARD: NO
REACTIVE HAZARD: NO

CLEAN AIR ACT, SECTION 112 HAZARDOUS AIR POLLUTANTS (HAPs) (see 40 CFR 61)

THIS PRODUCT DOES NOT CONTAIN ANY HAPs.

CANADA WHIMIS CLASSIFICATION:

D2B. THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH HAZARD CRITERIA OF THE CONTROLLED PRODUCTS REGULATIONS AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CONTROLLED PRODUCTS REGULATIONS.

SECTION 16 – OTHER INFORMATION

Disclaimer: As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with applicable federal, state and local regulations remains the responsibility of the user.