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

1.1 Product Identifier
Product Name: JEECHEM SHAMPOO CONCENTRATE #7CL

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

1.3 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 INGREDIENTS

2.1 Classification of the Substance or Mixture according to Regulation (EC) 1272/2008
Physical: Flammable liquids Category 4
Health: Skin Corrosion/Irritation Category 2
Serious Eye Damage/Eye Category 1
Unknown toxicity
Acute toxicity, oral: 0.0 %
Acute toxicity, dermal: 0.0 %
Acute toxicity, inhalation, vapor: 36.2 %
Acute toxicity, inhalation, dust or mist: 35.6 %

2.2 Label Elements according to Regulation (EC) EU 1272/2008
Hazard pictogram

Signal words: Danger
Hazard Statements: Combustible liquid.
Causes skin irritation.
Causes serious eye damage.

Precautionary Statements:
Prevention:
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear protective gloves/protective
clothing/eye protection/face protection. Wash thoroughly after handling.

Response:
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Immediately call a POISON CENTER/doctor. Specific treatment (see this label). Take off contaminated clothing. In case of fire: Use CO2, dry chemical or foam for extinction. Water can be used to cool and protect exposed material.

Storage: Store in well-ventilated place. Keep cool.
Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

2.3 Other Hazards
None known

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
- 

3.2 Mixture

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium laureth sulfate</td>
<td>67762-19-0</td>
<td>10-20%</td>
</tr>
<tr>
<td>Ammonium lauryl sulfate</td>
<td>68081-96-9</td>
<td>10-20%</td>
</tr>
<tr>
<td>Alkanolamide</td>
<td>68140-00-1</td>
<td>1-5%</td>
</tr>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>1-5%</td>
</tr>
<tr>
<td>Ethoxylated alcohol</td>
<td>Confidential</td>
<td>1-5%</td>
</tr>
<tr>
<td>Alcohols, C10-16</td>
<td>67762-41-8</td>
<td>0.1-0.5%</td>
</tr>
</tbody>
</table>

SECTION 4 – FIRST AID MEASURES

4.1 Description of First Aid Measures

Ingestion: Rinse mouth. Get medical attention if symptoms occur.
Inhalation: Remove exposed person to fresh air if adverse effects are observed.
Skin Contact: Take off contaminated clothing and wash before re-use. Wash skin thoroughly with soap and water. If skin irritation occurs, get medical attention.
Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor/…

4.2 Most important Symptoms and Effects
No information available

4.3 Indication of any immediate Medical Attention and special Treatment needed
No information available.

SECTION 5 – FIRE FIGHTING MEASURES
5.1 General Fire Hazards
Move containers from fire area if you can do so without risk.

5.2 Suitable (and Unsuitable) Extinguishing Media
- Suitable extinguishing media: CO2, Dry chemical or Foam. Water can be used to cool and protect exposed material.
- Unsuitable extinguishing media: Not determined

5.3 Specific Hazards arising from the Chemical
When heated, hazardous gases are released including chlorine, hydrogen chloride, and sulfur dioxide. See section 10 for additional information. Material will not burn until water has been evaporated. Container may rupture on heating. Water or foam may cause frothing. Avoid solid streams of water. Use water spray

5.4 Special Protective Equipment and Precautions for Firefighters
- Special fire fighting procedures: No data available.
- Special protective equipment for fire-fighters: Wear full protective firegear including self-containing breathing apparatus operated in the positive pressure mode with full facepiece, coat, pants, gloves and boots.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, Protective Equipment and Emergency Procedures
ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away. See Section 8 of the SDS for Personal Protective Equipment. Ventilate area if spilled in confined space or other poorly ventilated areas. Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations.

6.2 Environmental Precautions
Avoid release to the environment. Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.

6.3 Methods and Material for Containment and Cleaning Up
Eliminate all ignition sources if safe to do so. Dike far ahead of larger spill for later recovery and disposal. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Wash area with soap and water. Spilled liquid and dried film are slippery. Use care to avoid falls. Stop the flow of material, if this is without risk. Prevent entry into waterways, sewer, basements or confined areas

6.4 Reference to other Sections
Section 8: Exposure control /personal protection.
SECTION 7 – HANDLING AND STORAGE

7.1 Precautions for Safe Handling
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not get in eyes. Avoid contact with skin. Observe good industrial hygiene practices. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Launder contaminated clothing before reuse. Avoid environmental contamination.

Avoid contact with eyes and prolonged or repeated contact with skin. Avoid breathing mists or vapors. When using do not eat, drink or smoke. Stir well before use. Keep containers closed when not in use. Minimize contact with air to reduce contamination with mold, fungus, or other organisms which could cause decomposition or spoilage. Wash thoroughly after handling.

7.2 Maximum Handling Temperature
Not determined.

7.3 Conditions for Safe Storage including any Incompatibilities
Keep cool. Store in a well-ventilated place. Keep from freezing. Do not store in open, unlabeled or mislabeled containers.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Type</th>
<th>Exposure Limit Values</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>STEL</td>
<td>1,000 ppm</td>
<td>US. ACGIH Threshold Limit Values (02 2012)</td>
</tr>
<tr>
<td>Ethanol</td>
<td>REL</td>
<td>1,000 ppm 1,900 mg/m3</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2010)</td>
</tr>
<tr>
<td>Ethanol</td>
<td>PEL</td>
<td>1,000 ppm 1,900 mg/m3</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
</tbody>
</table>

8.2 Engineering Controls
Use material in well ventilated area only. Adequate ventilation should be provided so that exposure limits are not exceeded. Mechanical ventilation or local exhaust ventilation may be required.

8.3 Personal Protective Equipment
General information:
Provide easy access to water supply and eye wash facilities. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended.
exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Eye/face protection: Wear tight-fitting goggles or face shield.

Skin Protection

Hand Protection: Use nitrile or neoprene gloves. Use good industrial hygiene practices. In case of skin contact, wash hands and arms with soap and water. Use good industrial hygiene practices to avoid skin contact. If contact with the material may occur wear chemically protective gloves.

Other: Wear apron or protective clothing in case of contact. Do not wear rings, watches or similar apparel that could entrap the material. Gloves, coveralls, apron, boots as necessary to minimize contact. If contact with the material may occur wear chemically protective gloves.

Respiratory Protection: A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator. Under normal use conditions, respirator is not usually required. Use appropriate respiratory protection if exposure to dust particles, mist or vapors is likely. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.

Under normal use conditions, respirator is not usually required. Use appropriate respiratory protection if exposure to dust particles, mist or vapors is likely. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.

Hygiene measures: Observe good industrial hygiene practices. Do not get in eyes. Avoid contact with skin. Wash contaminated clothing before reuse. When using do not smoke. Wash hands before breaks and immediately after handling the product.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic Physical and Chemical Properties

Physical state: Liquid
Form: Liquid
Color: Clear
Odor: Slight alcohol
Odor threshold: No data available.

pH: 6.5 - 7 (10 % Water)
Freezing point: Approximate 0 °C
Boiling Point: Approximate 212 °F (100 °C)
Flash Point: > 180 °F (82 °C) (Pensky-Martens Closed Cup)
Evaporation rate: < 1 n-butyl acetate=1
Flammability (solid, gas): No data available.

Upper/lower limit on flammability or explosive limits
According to Regulation (EC) No 1907/2006 (REACH)

Revision Date: March 24, 2017                                          Version No.: 2

- Flammability limit - upper (%): No data available.
- Flammability limit - lower (%): No data available.
- Explosive limit - upper (%): No data available.
- Explosive limit - lower (%): No data available.
- Vapor pressure: Approximate 18 torr (20 °C 68 °F)
- Vapor density: < 1
- Relative density: 1.02 68 °F (20 °C)
- Solubility in water: Dispersible
- Solubility (other): No data available.
- Partition coefficient (n-octanol/water): No data available.
- Auto-ignition temperature: No data available.
- Decomposition temperature: No data available.
- Viscosity: < 5,000 mPa.s (77 °F (25 °C))

SECTION 10 – STABILITY AND REACTIVITY

10.1 Reactivity
No data available.

10.2 Chemical Stability
Material is stable under normal conditions.

10.3 Possibility of Hazardous Reactions
Will not occur.

10.4 Conditions to Avoid
Heat, sparks, flames. Do not freeze.

10.5 Incompatible Materials
Strong oxidizers Strong acids. Strong bases.

10.6 Hazardous Decomposition Products
Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Hydrogen chloride. Chlorinated compounds. Alkyl mercaptans and sulfides may also be released. Nitrogen Oxides Oxides of Sulfur. Irritating and toxic substances may be emitted upon combustion, burning, or decomposition of dry solids.

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 Toxicity
- IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:
  No carcinogenic components identified
- US. National Toxicology Program (NTP) Report on Carcinogens:
  No carcinogenic components identified
  No carcinogenic components identified
SAFTY DATA SHEET
According to Regulation (EC) No 1907/2006 (REACH)

Revision Date: March 24, 2017

Germ Cell Mutagenicity:
Alkanolamide

The Ames Salmonella test for mutagenicity was negative for this product.

Ethanol

This material has not exhibited mutagenic or genotoxic potential in laboratory tests.

Reproductive toxicity:
Ethanol

Ethanol has been reported to cause birth defects in laboratory animals.

Specific Target Organ Toxicity - Repeated Exposure:
Product:

Ingestion of ethanol is known to cause liver damage and other chronic effects in humans. Inhalation testing using laboratory animals resulted in liver damage only at high concentrations.

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Persistence and Degradability

<table>
<thead>
<tr>
<th>Substance</th>
<th>OECD TG</th>
<th>% Degradation</th>
<th>Time (d)</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium laureth sulfate</td>
<td>301 B,</td>
<td>&gt; 85 %</td>
<td>28 d</td>
<td>Readily biodegradable</td>
</tr>
<tr>
<td>Ammonium lauryl sulfate</td>
<td>301 D,</td>
<td>82 %</td>
<td>15 d</td>
<td>Readily biodegradable</td>
</tr>
<tr>
<td>Ethanol</td>
<td>Miscellaneous, 84 %, 20 d, Readily biodegradable</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethoxylated alcohol</td>
<td>301 F,</td>
<td>&gt; 60 %</td>
<td>28 d</td>
<td>Readily biodegradable</td>
</tr>
<tr>
<td>Alcohols, C10-16</td>
<td>Miscellaneous, 100 %, 28 d, Readily biodegradable</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Disposal instructions: Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Dispose of packaging or containers in accordance with local, regional, national and international regulations. Empty container contains product residue which may exhibit hazards of product.

Contaminated Packaging: Container packaging may exhibit hazards.

SECTION 14 – TRANSPORTATION INFORMATION

14.1 Shipping Description

DOT
UN Number: NA 1993
UN Proper Shipping Name: Combustible liquid, n.o.s.(Ethanol)
Transport Hazard Class(es)
Class: CBL
Label(s): NONE
Packing Group: III
Marine Pollutant: No
Special precautions for user: None established
IMDG        Not regulated.
IATA        Not regulated.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
None known.

Note: The DOT shipping information in this section is based on a bulk container. Please review the accompanying shipping papers for the correct shipping descriptions based on the size of the package. Shipping descriptions may vary based on mode of transport, quantities, temperature of the material, package size, and/or origin and destination. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material. During transportation, steps must be taken to prevent load shifting or materials falling, and all relating legal statutes should be obeyed. Review classification requirements before shipping materials at elevated temperatures.

SECTION 15 – REGULATORY INFORMATION

15.1 U.S. Federal Regulations

TSCA Section 12(b) Export Notification(40 CFR 707, Subpt.D) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4)

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>CAS number</th>
<th>Reportable quantity</th>
<th>Calculated $^1$</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium chloride</td>
<td>12125-02-9</td>
<td>5000 lbs</td>
<td>&gt; 50,000.00 lbs</td>
</tr>
<tr>
<td>Methanol</td>
<td>67-56-1</td>
<td>5000 lbs</td>
<td>&gt; 22,679.60 kgs</td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>50-00-0</td>
<td>100 lbs</td>
<td>&gt; 50,000.00 lbs</td>
</tr>
<tr>
<td>Sodium methoxide</td>
<td>124-41-4</td>
<td>1000 lbs</td>
<td>&gt; 22,679.60 kgs</td>
</tr>
<tr>
<td>1, 4 Dioxane</td>
<td>123-91-1</td>
<td>100 lbs</td>
<td>&gt; 50,000.00 lbs</td>
</tr>
</tbody>
</table>

Note: is the amount product/material required to be released before CERCLA reporting is required.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 311 Classifications
Fire Hazard
Immediate (Acute) Health Hazards

SARA 302 Extremely Hazardous Substance None present or none present in regulated quantities.

SARA 304 Emergency Release Notification
SAFTY DATA SHEET  
According to Regulation (EC) No 1907/2006 (REACH)

Revision Date: March 24, 2017  
Version No.: 2

### Chemical Identity  
**Percent by Weight**  
**Reportable Quantity**

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>CAS number</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium chloride</td>
<td>12125-02-9</td>
<td>0.8 %</td>
<td>5000 lbs</td>
</tr>
<tr>
<td>Methanol</td>
<td>67-56-1</td>
<td>0.2 %</td>
<td>5000 lbs</td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>50-00-0</td>
<td>621.0 PPM</td>
<td>100 lbs</td>
</tr>
<tr>
<td>Sodium methoxide</td>
<td>124-41-4</td>
<td>219.0 PPM</td>
<td>1000 lbs</td>
</tr>
<tr>
<td>1, 4 Dioxane</td>
<td>123-91-1</td>
<td>60.0 PPM</td>
<td>100 lbs</td>
</tr>
</tbody>
</table>

SARA 313 (TRI Reporting)  
None present or none present in regulated quantities.

### 15.2 US State Regulations

#### US. California Proposition 65  
This product may contain chemical(s) known to the state of California to cause cancer and/or birth defects. Additional information can be received upon request.

#### Inventory Status

- **Australia (AICS)**: All components are in compliance with chemical notification requirements in Australia.
- **Canada (DSL/NDSL)**: All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.
- **China (IECSC)**: All components of this product are listed on the Inventory of Existing Chemical Substances in China.
- **European Union (REACH)**: To obtain information on the REACH compliance status of this product, please e-mail REACH@SDSInquiries.com.
- **Japan (ENCS)**: This product contains one or more components that are not included on the Existing and New Chemical Substances List (ENCS). It is intended for use solely as a cosmetic ingredient in Japan.
- **Korea (ECL)**: All components are in compliance in Korea.
- **New Zealand (NZIoC)**: All components are in compliance with chemical notification requirements in New Zealand.
- **Philippines (PICCS)**: All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).
- **Switzerland (SWISS)**: All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.
- **Taiwan (TCSCA)**: This product requires notification before sale in Taiwan.
- **United States (TSCA)**: All components of this material are on the US TSCA Inventory. The information that was used to confirm the compliance status of this product may deviate from the chemical information shown in Section 3.

### SECTION 16 – OTHER INFORMATION

#### 16.1 HMIS Hazard ID

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Physical Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>2</td>
<td>0</td>
</tr>
</tbody>
</table>
16.2 NFPA Hazard ID

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect

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