MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER:
JEEN INTERNATIONAL CORPORATION
24 MADISON ROAD
FAIRFIELD, NJ 07004
Tel#: 973-439-1401

PRODUCT:
JEECHEM SHAMPOO CONCENTRATE #5CL
CHEMICAL DESCRIPTION: SODIUM LAURETH SULFATE, COCAMIDE DEA
SYNONYMS: SHAMPOO BLEND

SECTION 2 - HAZARDOUS INGREDIENTS

APPEARANCE CLEAR TO PALE YELLOW LIQUID.
ODOR NOT AVAILABLE
PRINCIPAL HAZARDS WARNING.
• CAUSES EYE IRRITATION.
• CAUSES SKIN IRRITATION.
• MAY CAUSE RESPIRATORY TRACT IRRITATION.

*SEE SECTION 11 FOR COMPLETE HEALTH HAZARD INFORMATION.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS (N/E) – None established

<table>
<thead>
<tr>
<th>COMP</th>
<th>CAS No.</th>
<th>PERCENTAGE (BY WT.)</th>
<th>CARCINOGEN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium lauryl ether sulfate</td>
<td>68585-34-2</td>
<td>From 20 to 29.9 percent</td>
<td>N/E</td>
</tr>
<tr>
<td>Fatty acid alkanolamide</td>
<td>68603-42-9</td>
<td>From 10 to 19.9 percent</td>
<td>N/E</td>
</tr>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>From 1 to 4.9 percent</td>
<td>N/E</td>
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</tbody>
</table>

SECTION 4 – FIRST AID MEASURES

EYES: RINCE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. IF EYE IRRITATION PERSISTS, GET MEDICAL ATTENTION.
SKIN: WASH WITH PLENTY OF SOAP AND WATER. IF SKIN IRRITATION OCCURS, SEEK MEDICAL ATTENTION. LAUNDER CONTAMINATED CLOTHING BEFORE USE.
INHALATION: REMOVE EXPOSED PERSON TO FRESH AIR IF ADVERSE EFFECTS ARE OBSERVED. IF BREATHING IS LABORED, ADMINISTER OXYGEN. IF BREATHING HAS STOPPED, APPLY ARTIFICIAL RESPIRATION. IF IRRITATION PERSISTS OR IF TOXIC SYMPTOMS ARE OBSERVED, GET MEDICAL ATTENTION.
ORAL: DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION.
ADDITIONAL INFORMATION: IF EXPOSED OR CONCERED SEEK MEDICAL ATTENTION.

SECTION 5 - FIRE AND EXPLOSION HAZARD

FLASH POINT: >101°C, 213.8°F PMCC (MINIMUM)
EXTINGUISHING MEDIA: CO2, DRY CHEMICAL, OR FOAM. WATER CAN BE USED TO COOL AND PROTECT EXPOSED MATERIAL.
FIREFIGHTING PROCEDURES: RECOMMEND WEARING SELF-CONTAINED BREATHING APPARATUS. WATER MAY CAUSE SPLATTERING.
UNUSUAL FIRE AND EXPLOSION HAZARDS: WILL NOT BURN UNTIL WATER HAS BEEN EVAPORATED. CONTAINER MAY RUPTURE ON HEATING. SEE SECTION 10 FOR ADDITIONAL INFO.

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SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES: PERSONAL PROTECTIVE EQUIPMENT MUST BE WORN, SEE PERSONAL PROTECTION SECTION FOR PPE RECOMMENDATIONS. VENTILATE AREA IF SPILLED IN CONFINED SPACE OR OTHER POORLY VENTILATED AREAS. PREVENT ENTRY INTO SEWERS AND WATERWAYS, DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL ENVIRONMENT REGULATION. PICK UP FREE LIQUID FOR RECYCLE AND/OR DISPOSAL. RESIDUAL LIQUID CAN BE ABSORBED ON INERT MATERIAL.

SECTION 7 – HANDLING AND STORAGE

PUMPING TEMPERATURE: NOT DETERMINED.
MAXIMUM HANDLING TEMPERATURE: NOT DETERMINED.
HANDLING PROCEDURES: KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT DISCHARGE INTO DRAINS OR THE ENVIRONMENT, DISPOSE TO AN AUTHORIZED WASTE COLLECTION POINT. USE APPROPRIATE CONTAINMENT TO AVOID ENVIRONMENTAL CONTAMINATION. AVOID BREATHING DUST, FUME, GAS, MIST, VAPORS, OR SPRAY. WASH THOROUGHLY AFTER HANDLING. EMPTY CONTAINER CONTAINS PRODUCT RESIDUE WHICH MAY EXHIBIT HAZARDS OF PRODUCT.
MAXIMUM STORAGE TEMPERATURE: NOT DETERMINED.
HANDLING PROCEDURES: NO SPECIAL STORAGE PRECAUTIONS REQUIRED
LOADING TEMPERATURE: NOT DETERMINED.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS

<table>
<thead>
<tr>
<th>COMP</th>
<th>OSHA</th>
<th>ACGIH</th>
<th>OTHER</th>
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<tbody>
<tr>
<td></td>
<td>TWA</td>
<td>STEL</td>
<td>TWA</td>
</tr>
<tr>
<td>GLYCERIN</td>
<td>15 MG/CU. M</td>
<td>N/E</td>
<td>10 MG/CU. M</td>
</tr>
</tbody>
</table>

(S) – SKIN EXPOSURE
(P) – PROPOSED LIMIT
(C) – CEILING EXPOSURE
(L) – RECOMMENDED EXPOSURE LIMIT
(U) – SUPPLIER RECOMMENDED EXPOSURE LIMIT
(N/E) – NONE ESTABLISHED

OTHER EXPOSURE LIMITS: THIS PRODUCT CONTAINS FORMALDEHYDE, WHICH HAS AN OSHA PEL TWA OF 0.75 PPM AND ACGIH TLV TWA OF 0.3PPM.

ENGINEERING CONTROLS
USE MATERIAL IN WELL VENTILATED AREA ONLY. ADDITIONAL VENTILATION OR EXHAUST MAY BE REQUIRED TO MAINTAIN AIR CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS.

GLOVES PROCEDURES
USE NITRILE OR NEOPRENE GLOVES.

EYE PROTECTION
WEAR CHEMICAL GOGGLES OR FACESHIELD.

RESPIRATORY PROTECTION
UNDER NORMAL USE CONDITIONS, REPSIRATOR IS NOT USUALLY REQUIRED.

CLOTHING RECOMMENDATION
LONG SLEEVE SHIRT IS RECOMMENDED. WEAR A CHEMICALLY PROTECTIVE SUIT/APRON WHEN CONTACT WITH MATERIAL MAY OCCUR. USE NITRILE RUBBER BOOTS WHEN NECESSARY TO AVOID CONTAMINATING SHOES. DO NOT WEAR RINGS, WATCHES OR SIMILAR APPAREL THAT COULD ENTRAP THE
SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

FLASH POINT  
>101°C, 213.8°F PMCC (MINIMUM)

UPPER FLAMMABLE LIMIT  
NOT DETERMINED.

LOWER FLAMMABLE LIMIT  
NOT DETERMINED.

AUTOIGNITION POINT  
NOT DETERMINED.

EXPLOSION DATA  
MATERIAL DOES NOT HAVE EXPLOSIVE PROPERTIES.

VAPOR PRESSURE  
~18mm Hg (20°C)

PH  
8.5 – 9 AT 10% IN WATER

SPECIFIC GRAVITY  
1.04 (20°C)

BULK DENSITY  
8.67 Lb/gal, 1.04 Kg/L

WATER SOLUBILITY  
DISPERSEABLE.

PERCENT SOLID  
~38.5% BY WEIGHT

PERCENT BOLATILE  
61-62% BY WEIGHT

VOLATILE ORGANIC COMPOUND  
NOT DETERMINED.

VAPOR DENSITY  
<1 (AIR=1)

EVAPORATION RATE  
<1 BUTYL ACETATE=1

ODOR  
NOT AVAILABLE

VISCOSITY  
< 5000 CENTIPOISE (25 °C)

ODOR THRESHOLD  
NOT DETERMINED

BOILING POINT  
~100°C, ~212°F (TYPICAL)

POUR POINT TEMPERATURE  
NOT DETERMINED.

MELTING/FREEZING POINT  
~0°C, ~32°F

APPEARANCE  
CLEAR TO PALE YELLOW LIQUID

*THE ABOVE DATA ARE TYPICAL VALUES AND DO NOT CONSTITUTE A SPECIFICATIONS. VAPOR PRESSURE DATA ARE CALCULATED UNLESS OTHERWISE NOTED.

SECTION 10 – STABILITY AND REACTIVITY

STABILITY:  
MATERIAL IS NORMALLY STABLE AT MODERATELY ELEVATED TEMPERATURES AND PRESSURES.

DECOMPOSITION TEMP:  
NOT DETERMINED.

INCOMPATIBILITY:  
STRONG OXIDIZING AGENTS. THIS MATERIAL CONTAINS AMINE. DO NOT ADD NITRATE OR OTHER NITROSATING AGENTS DUE TO THE POTENTIAL FOR NITROSAMINE FORMATION.

POLYMERIZATION:  
WILL NOT OCCUR.

THERMAL DECOMPOSITION:  
SMOKE, CARBON MONOXIDED, CARBON DIOXIDE, ALDEHYDES AND OTHER PRODUCTS OF INCOMPLETE COMBUSTION. IRRITATING AND TOXIC SUBSTANCES MAY BE EMITTED UPON COMBUSTION, BURNING OR DECOMPOSITION OF DRY SOLIDS

CONDITIONS TO AVOID:  
DO NOT FREEZE

SECTION 11 – TOXICOLOGICAL INFORMATION

--ACUTE EXPOSURE--

EYE IRRITATION:  
MODERATE TO STRONG EYE IRRITATION. BASED ON DATA FROM COMPONENTS OR SIMILAR MATERIAL.

SKIN IRRITATION:  
SEVERE SKIN IRRITANT. BASED ON DATA FROM COMPONENTS OR SIMILAR MATERIALS.

RESPIRATORY IRRITATION:  
MAY CAUSE NOSE, THROAT AND LUNG IRRITATION. BASED ON DATA FROM COMPONENTS OR SIMILAR MATERIALS.
DERMAL TOXICITY: NO DATA AVAILABLE TO INDICATE PRODUCT OR COMPONENTS MAY BE SKIN SENSITIZER.
INHALATION TOXICITY: NO DATA AVAILABLE TO INDICATE PRODUCT OR COMPONENTS MAY BE RESPIRATORY SENSITIZERS.

ORAL TOXICITY: THE LD50 IN RATS IS >5000 MG/KG. BASED ON DATA FROM COMPONENTS OR SIMILAR MATERIALS. SWALLOWING MATERIAL MAY CAUSE IRRITATION OF THE GASTROINTESTINAL LINING, NAUSEA, VOMITING, DIARRHEA, AND ABDOMINAL PAIN.
DERMAL SENSITIZATION: NO DATA AVAILABLE TO INDICATE PRODUCT OR COMPONENTS MAY BE A SKIN SENSITIZER.
INHALATION SENSITIZATION: NO DATA AVAILABLE TO INDICATE PRODUCT OR COMPONENTS MAY BE RESPIRATORY SENSITIZERS.

--CHRONIC EXPOSURE--
CHRONIC TOXICITY: NO DATA AVAILABLE TO INDICATE PRODUCT OR COMPONENTS PRESENT AT GREATER THAN 1% ARE CHRONIC HEALTH HAZARDS.
CARCINOGENICITY: DIETHANOLAMINE HAS BEEN CLASSIFIED BY IARC AS A POSSIBLE HUMAN CARCINOGEN (GROUP 2B).
MUTAGENICITY: NO DATA AVAILABLE TO INDICATE PRODUCT OR ANY COMPONENTS PRESENT AT GREATER THAN 0.1% ARE MUTAGENIC OR GENOTOXIC.
REPRODUCTIVE TOXICITY: NO DATA AVAILABLE TO INDICATE EITHER PRODUCT OR COMPONENTS PRESENT AT GREATER THAN 0.1% THAT MAY CAUSE REPRODUCTIVE TOXICITY.
TERATOGENICITY: NO DATA AVAILABLE TO INDICATE PRODUCT OR ANY COMPONENTS CONTAINED AT GREATER THAN 0.1% MAY CAUSE BIRTH DEFECTS.

--ADDITIONAL INFORMATION--
OTHER: NITROSAMINES MAY BE FORMED UNDER CERTAIN CONDITIONS. NITROSAMINES ARE CARCINOGENIC IN ANIMAL STUDIES.

--ENVIRONMENTAL TOXICITY--
FRESH WATER FISH TOXICITY: THE ACUTE LC50 IS 1 – 10 MG/L BASED ON COMPONENT DATA.
FRESH WATER INVERTEBRATES: THE ACUTE EC50 IS 1-10 MG/L BASED ON COMPONENT DATA. CHRONIC TOXICITY EFFECTS EXPECTED AT<1MG/L BASED ON COMPONENT DATA.
ALGAL INHIBITION: THE ACUTE EC50 IS 10-100 MG/L BASED ON COMPONENT DATA
SALTWATER FISH TOXICITY: NOT DETERMINED.
SALTWATER INVERTEREBRATES: NOT DETERMINED.
TOXICITY BACTERIA TOXICITY: NOT DETERMINED.
MISCELLANEOUS TOXICITY: NOT DETERMINED.

--ENVIRONMENTAL FATE--
BIODEGRADATION: AT LEAST 75% OF THE COMPONENTS IN THIS PRODUCT SHOW RAPID BIODEGRADATION BASED ON OECD 301 –TYPE TEST DATA.
BIOACCUMULATION: 25% OR GREATER OF THE COMPONENTS DISPLAY NO POTENTIAL TO DIOCONCETRATE.
SOIL MOBILITY: NOT DETERMINED.
SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: THIS MATERIAL, IF DISCARDED, IS A HAZARDOUS WASTE UNDER RCRA REGULATION 40 CFR 261. TREATMENT, STORAGE, TRANSPORTATION, AND DISPOSAL MUST BE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE/PROVINCIAL, AND LOCAL REGULATIONS.

SECTION 14 – TRANSPORT INFORMATION

ICAO/IATA I        NOT REGULATED
ICAO/IATA II       NOT REGULATED
IMDG               NOT REGULATED
IMDG EMS FIRE      NOT APPLICABLE
IMDG EMS SPILL     NOT APPLICABLE
IMDG MFAG          NOT APPLICABLE
MARPOL ANNEX II    NOT DETERMINED
USCG COMPATIBILITY NOT DETERMINED
U.S. DOT BULK      UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIETHANOLAMINE) CLASS 9, PG III, RQ
U.S. DOT NON-BULK   NOT REGULATED
DOT NAERG          171
U.S. DOT (INTERMEDIATE) UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIETHANOLAMINE) CLASS 9, PG III, RQ
DOT INTERMEDIATE NAERG 171
TDG BULK           NOT REGULATED
TDG NON-BULK       NOT REGULATED
MEXICO             NOT REGULATED
MEXICO NON-BULK    NOT REGULATED
BULK QUANTITY      85000 LITERS, 187391 LBS
NON-BULK QUANTITY  400 kg, 882 lbs
INTERMEDIATE QUANTITY 11000 KG, 24251 LBS
*REVIEW CLASSIFICATION REQUIREMENTS BEFORE SHIPPING MATERIALS AT ELEVATED TEMPERATURES.

SECTION 15 – REGULATORY INFORMATION

--GLOBAL CHEMICAL INVENTORIES
USA        ALL COMPONENTS OF THIS MATERIAL ARE ON THE US TSCA INVENTORY OR ARE EXEMPT.
OTHER TSCA REG.  NONE KNOWN.
EU         ALL COMPONENTS ARE IN COMPLIANCE WITH EC SEVENTH AMENDMENT DIRECTIVE 92/32/EEC.
JAPAN      ALL COMPONENTS ARE IN COMPLIANCE WITH THE CHEMICAL SUBSTANCE CONTROL LAW OF JAPAN.
AUSTRALIA  ALL COMPONENTS ARE IN COMPLIANCE WITH CHEMICAL NOTIFICATION REQUIREMENTS IN AUSTRALIA.
NEW ZEALAND ALL COMPONENTS ARE IN COMPLIANCE WITH CHEMICAL NOTIFICATION REQUIREMENTS IN NEW ZEALAND.
CANADA     ALL COMPONENTS ARE IN COMPLIANCE WITH THE CANADIAN ENVIRONMENTALLY HAZARDOUS SUBSTANCES ORDINANCE IN SWITZERLAND.
SWITZERLAND ALL COMPONENTS ARE IN COMPLIANCE ENVIRONMENTALLY HAZARDOUS SUBSTANCES ORDINANCE IN SWITZERLAND.
KOREA      ALL COMPONENTS ARE IN COMPLIANCE IN KOREA.
SECTION 15 – REGULATORY INFORMATION

--OTHER U.S. FEDERAL REGULATIONS--
SARA EXT. HAZ. SUBST.  THIS PRODUCT DOES NOT CONTAIN GREATER THAN 1.0% OF ANY CHEMICAL SUBSTANCE ON THE SARA EXTREMELY HAZARDOUS SUBSTANCES LIST.
SARA SECTION 313 0.8% DIETHANOLAMINE, CAS no. 111-42-2
SARA 311 CLASSIFICATIONS

<table>
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<tr>
<th>CERCLA HAZARDOUS SUBSTANCES</th>
<th>TRANSIT REPORTABLE QUANTITIES</th>
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</thead>
<tbody>
<tr>
<td>COMPONENT REPORTABLE QUANTITY</td>
<td>UNITS REPORTABLE QUANTITY</td>
</tr>
<tr>
<td>DIETHANOLAMINE 13248 LBS 6009 KG</td>
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</tr>
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</table>

FDA APPROVAL  NOT APPLICABLE.

--STATE REGULATIONS--
CAL. PROP. 65  THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER/AND OR BIRTH DEFECTS BASED ON MAXIMUM IMPURITY LEVELS OF COMPONENTS: 0.030% FORMALDEHYDE, CAS NO. 50-00-0.

--PRODUCT REGISTRATIONS--
U.S. FUEL REGISTRATION  NOT APPLICABLE.
FINNISH REGISTRATION  NOT REGISTERED.
SWEDISH REGISTRATION  NOT REGISTERED.
NORWEGIAN REGISTRATION  NOT REGISTERED.
DANISH REGISTRATION  NOT REGISTERED
SWISS REGISTRATION  NOT REGISTERED
ITALIAN REGISTRATION  NOT REGISTERED
KOREAN REGISTRATION  NOT REGISTERED

--OTHER/INTERNATIONAL--
TDG REGULATED LIMIT.  NONE KNOWN

SECTION 16 – OTHER INFORMATION

USNFPA CODES

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<tr>
<th>HEALTH</th>
<th>FIRE</th>
<th>REACTIVITY</th>
<th>SPECIAL</th>
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<tr>
<td>2</td>
<td>1</td>
<td>0</td>
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(N/E) – NONE ESTABLISHED
HMIS CODES

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<th>HEALTH</th>
<th>FIRE</th>
<th>REACTIVITY</th>
</tr>
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<tbody>
<tr>
<td>2</td>
<td>1</td>
<td>0</td>
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PRECAUTIONARY LABELS

WARNING:
- CAUSE EYE IRRITATION.
- CAUSE SEVERE SKIN IRRITATION.
- MAY CAUSE RESPIRATORY TRACT IRRITATION.

SECTION 16 – OTHER INFORMATION CONTINUED

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