



24 Madison Road, Fairfield, New Jersey 07004, USA
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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

**Chemtrec Emergency Tel.# 800-424-9300-Chemtrec
Int'l Tel.# 703-527-3887(Collect Calls Accepted)**

Revisions: June 25, 2013

PRODUCT: **JEECHEM SHAMPOO CONCENTRATE #5CL**
CHEMICAL DESCRIPTION: SODIUM LAURETH SULFATE, COCAMIDE DEA
COCAMIDOPROPYL BETAINE
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

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

SECTION 4 – FIRST AID MEASURES

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 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 CONCERNED 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 TEMPERATRURE: NOT DETERMINED.
 MAXIMUM HANDLING TEMPERATRUE: 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 HADNLING. EMPTY CONTAINER CONTAINS PRODUCT RESIDUE WHICH MAY EXHIBIT HAZARDS OF PRODUCT.
 MAXIMUM STORAGE TEMPERATURE: NOT DETERMINED.
 STORAGE PROCEDURES: NO SPECIAL STORAGE PRECAUTIONS REQUIRED
 LOADING TRMPERATURE: NOT DETERMINED.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS

COMP	EXPOSURE GUIDELINES					
	OSHA		ACGIH		OTHER	
	TWA	STEL	TWA	STEL	TWA	STEL
GLYCERIN	15 MG/CU. M	N/E	10 MG/CU. M	N/E	N/E	N/E

- (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 VENTILATEED 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.
 RESPRIATORY PROTECTION: UNDER NORMAL USE CONDITIONS, REPSIRATOR IS NOT USUALLY REQUIRED.
 CLOTHING RECOMMENDATION: LONG SLEEVE SHIRT IS RECOMMENDED. WEAR A CHMICALLY 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



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MATERIAL AND CAUSE A BURN. LAUDER CONTAMINATED CLOTHIGN BEFORE REUSE.

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	DISPERSIBLE.
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 MONOXIED, 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.



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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.

SECTION 11 – TOXICOLOGICAL INFORMATION CONTINUED

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.

SECTION 12 – ECOLOGICAL INFORMATION

--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 INVERTEBRATES: 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 BIOCONCENTRATE.
SOIL MOBILITY: NOT DETERMINED.



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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.



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PHILIPPINES ALL COMPONENTS ARE IN COMPLIANCE WITH THE PHILIPPINES TOXIC
 SUBSTANCE AND HAZARDOUS AND NUCLEAR WASTES CONTROL ACT OF 1990
 (R.A. 6969)
 CHINA ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE INVENTORY OF
 EXISTING CHEMICAL SUBSTANCES IN CHINA.
 TAIWAN MAY REQUIRE NOTIFICATION BEFORE SALE IN TAIWAN

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

ACUTE HAZARD	YES
CHRONIC HAZARD	YES
FIRE HAZARD	NO
REACTIVITY HAZARD	NO

CERCLA HAZARDOUS
 SUBSTANCES

TRANSIT REPORTABLE QUANTITIES

COMPONENT	REPORTABLE QUANTITY RQ	UNITS	REPORTABLE QUANTITY RQ	UNITS
DIETHANOLAMINE	13248	LBS	6009	KG

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.
 NUMBER
 SWEDISH REGISTRATION NOT REGISTERED.
 NUMBER
 NORWEGIAN REGISTRATION NOT REGISTERED.
 NUMBER
 DANISH REGISTRATION NOT REGISTERED
 NUMBER
 SWISS REGISTRATION NOT REGISTERED
 NUMBER
 ITALIAN REGISTRATION NOT REGISTERED
 NUMBER
 KOREAN REGISTRATION NOT REGISTERED
 NUMBER

---OTHER/INTERNATIONAL---

TDG REGULATED LIMIT. NONE KNOWN

SECTION 16 – OTHER INFORMATION

USNFPA CODES

HEALTH	FIRE	REACTIVITY	SPECIAL
2	1	0	N/E



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(N/E) – NONE ESTABLISHED
HMIS CODES

HEALTH	FIRE	REACTIVITY
2	1	0

PRECAUTIONARY LABELS

WARNING.

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

SECTION 16 – OTHER INFORMATION CONTINUED

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