



24 Madison Road, Fairfield, New Jersey 07004, USA
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SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER: JEEN INTERNATIONAL CORPORATION
24 MADISON ROAD Chemtrec Emergency Tel.# 800-424-9300
FAIRFIELD, NJ 07004 * Chemtrec Int'l Tel.# 703-527-3887
Tel#: 973-439-1401 * Collect Calls Accepted

REVISION INDICATOR: JANUARY 2013

PRODUCT: **JEECHEM SHAMPOO CONCENTRATE #5**
CHEMICAL DESCRIPTION: SODIUM LAURYL ETHER SULFATE, COCAMIDE DEA
COCAMIDOPROPYL BETAINE BLEND
SYNONYMS: SHAMPOO BLEND

SECTION 2 - HAZARDOUS INGREDIENTS

APPEARANCE SMOOTH PEARLESCENT LIQUID
ODOR NOT AVAILABLE
PRINCIPAL HAZARDS DANGER
CAUSES SEVERE SKIN IRRITATION
CAUSES EYE IRRITATION
MAY CAUSE RESPIRATORY TRACT IRRITATION

SEE SECTION 11 FOR COMPLETE HEALTH HAZARDS

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS

COMP	CAS NO.	PERCENTAGE (BY WT.)	CARCINOGEN
SODIUM LAURYL ETHER SULFATE	68585-34-2	FROM 20 TO 29.9 PERCENT	N/E
COCONUT DIETHANOLAMIDE	68603-42-9	FROM 10 TO 19.9 PERCENT	IARC SUSPECT CARCINOGEN
GLYCERIN	56-81-5	FROM 1 TO 4.9 PERCENT	N/E
DIETHANOLAMINE	111-42	0.7	IARC SUSPECT CARCINOGEN

(N/E) - NONE ESTABLISHED

SECTION 4 - HEALTH AND FIRST AID DATA

SKIN ABSORPTION: WASH WITH SOAP AND WATER. SEEK MEDICAL ATTENTION IF IRRITATION OCCURS.
LAUNDER CONTAMINATED CLOTHING
INHALATION: REMOVE EXPOSED PERSON TO FRESH AIR IF ADVERSE EFFECTS ARE OBSERVED. IF
BREATHING IS LABORATORIES ADMINISTER OXYGEN. IF BREATHING HAS STOPPED,
APPLY ARTIFICIAL RESPIRATION. IF IRRITATION PERSISTS OR IF TOXIC SYMPTOMS ARE
OBSERVED, GET MEDICAL ATTENTION.
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
ADDITIONAL NOTE TO PHYSICIAN: TREAT SYMPTOMATICALLY

SECTION 5 - FIRE AND EXPLOSION HAZARD

FLASH POINT: >213.8 DEG F, 101 Deg C
EXTINGUISHING MEDIA: CO₂, DRY CHEMICAL, OR FOAM. WATER CAN BE USED TO COOL AND PROTECT
EXPOSED MATERIAL
FIRE FIGHTING



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PROCEDURES: RECOMMEND WEARING SELF-CONTAINED BREATHING APPARATUS. WATER MAY CAUSE SPLATTERING.

SECTION 5 - FIRE AND EXPLOSION HAZARD CONTINUED

UNUSAL FIRE&EXPLOSION HAZARDS MATERIAL WILL NOT BURN UNTIL WATER HAS BEEN EVAPORATED. CONTAINER MAY RUPTURE ON HEATING. SEE SECTION 10 FOR ADDITIONAL INFORMATION.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES PERSONAL PROTECTIVE EQUIPMENT MUST BE WORN, SEE PERSONAL PROTECTION SECTION FOR PPE ECOMMENDATIONS. VENTILATE AREA IF SPILLED IN CONFINED SPACE OR OTHER POORLY VENTILATD AREAS. PREVENT ENTRY INTO SEWERS AND WATR WAYS, DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL 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 DREAINS OR THE ENVIRONMENT, DISPOSE TO AN AUTHORIZED WASTE COLLECTION POINT. USE APPROPRIATE CONTAINMENT TO AVOID ENVIRONMENTAL CONTAMINATION. WASH THOROUGHLY AFTER HANDLING. EMPTY CONTAINER CONTAINS PRODUCT RESIDUE WHICH MAY EXHIBIT HAZARDS OF PRODUCT.
 MAXIMUM STORAGE TEMP 48.89 C, 120 F
 STORAGE PROCEDURES TAKE PRECAUTIONS TO AVOID RELEASE TO THE ENVIORNMENT. KEEP FROM FREEZING. STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT DTORE AT TEMPERATRES GREATER THAN 120 DEGRESS. DO NOT STORE IN OPEN, UNLABELED OR MISLABELED CONTAINERS. SEE SECTION 10 FOR INCOMPATIBLE MATIERALS.
 MAXIMUM LOADING TEMP NOT DETERMINED

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS

COMP	EXPOSURE GUIDELINES					
	OSHA		ACGIH		OTHER	
	TWA	STE L	TWA	STEL	TWA	STEL
GLYCERIN	15 MG/CU. M	N/E	10 MG/CU. M	N/E	N/E	N/E
DIETHANOLAMINE	N/E	N/E	1 MG/CU M (S)	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



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

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION CONTINUED

ENGINEERING CONTROLS	USE MATERIAL IN WELL VENTILATED AREA ONLY. ADDITIONAL VENTILATION OR EXHAUST MAY BE REQUIRED TO MAINTAIN AIR CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS. PREVENT INHALATION BY PROVIDING EFFECTIVE GENERAL AND, WHEN NECESSARY, LOCAL EXHAUSE VENTILATION TO DRAW SPRAY, AEROSOL, FUME, MIST, OR VAPOR AWAY FROM WORKERS.
GLOVES PROCEDURES	USE NITRILE OR NEOPRENE GLOVES.
EYE PROTECTION	SAFETY GLASSES OR FACE SHIELD
RESPIRATORY PROTECTION	USE NIOSH/MSHA APPROVED FULL FACE RESPIRATOR WITH A COMBINATION ORGANIC VAPOR AND DUST/MIST CARTRIDGE IF THE RECOMMENDED EXPOSURE LIMIT IS EXCEEDED. USE SELF-CONTAINED BREATHING APPARATUS FOR ENTRY INTO CONFINED SPACE, FOR OTHER POORLY VENTILATED AREAS AND FOR LARGE SPILL CLEAN-UP SITES.
CLOTHING RECOMMENDATION	LONG SLEEVE SHIRT IS RECOMMENDED. WEAR A CHEMICALLY PROTECTIVE 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 MATERIAL AND CAUSE A SKIN REACTION. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

FLASH POINT	>101°C, 213.8°F PMCC (MINIMUM)
VAPOR PRESSURE	18 mm Hg (20 C)
PH	8.5-9.2 10% in water
SPECIFIC GRAVITY	1.04 (20°C)
BULK DENSITY	8.67 LB/GAL, 1.04 KG/L
WATER SOLUBILITY	material is miscible in water
PERCENT SOLID	40-42% BY WEIGHT.
PERCENT VOLATILE	58-60% BY WEIGHT.
VOLITILE ORGANIC COMPOUND	NOT DETERMINED.
VAPOR DENSITY	<1 AIR = 1
EVAPORATION RATE	< 1 BUTYL ACETATE = 1
ODOR	NOT AVAILABLE.
APPEARANCE	SMOOTH PEARLSCENT LIQUID
VISCOSITY	< 5000 CENTIPOISE (25 C)
ODOR THRESHOLD	UNKNOWN.
BOILING POINT	~100 C ~ 212 F (TYPICAL)
POUR POINT TEMPERATURE	NOT DETERMINED.
MELTING/FREEZING POINT	~ 0 C, ~ 32 F

THE ABOVE DATA ARE TYPICAL VALUES AND DO NOT CONSITUTE A SPECIFICATION. VAPOR PRESSURE DATA ARE CALCULATED UNLESS OTHERWISE NOTED.



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SECTION 10 – STABILITY AND REACTIVITY

STABILITY	MATERIAL IS NORMALLY STABLE AT MODERATELY ELEVATED TEMPERATURES AND PRESSURES.
DECOMPOSITION TEMP	NOT DETERMINED.
INCOMPATIBILITY	STRONG OXIDIZING AGENTS.

SECTION 10 – STABILITY AND REACTIVITY CONTINUED

POLYMERIZATION	WILL NOT OCCUR.
THERMAL DECOMPOSITION	SMOKE, CARBON MONOXIDE, CARBON DIOXIDE, ALDEHYDES AND OTHER PRODUCTS OF INCOMPLETE COMBUSTION.
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	SKIN IRRITANT. BASED ON DATA FROM COMPONENTS OR SIMILAR MATERIALS. PROLONGED OR REPEATED SKIN CONTACT AS FROM CLOTHING WET WITH MATERIAL MAY CAUSE DERMATITIS. SYMPTOMS MAY INCLUDE REDNESS, EDEMA, DRYING, AND CRACKING OF THE SKIN.
RESPIRATORY IRRITATION	MAY CAUSE NOSE, THROAT AND LUNG IRRITATION. BASED ON DATA FROM COMPONENTS OR SIMILAR MATERIALS.
DERMAL TOXICITY	THE LD50 IN RABBITS IS >2000 MG/KG. BASED ON DATA FROM COMPONENTS OR SIMILAR MATERIALS.
INHALATION TOXICITY	NOT EXPECTED TO BE A TOXIC INHALATION HAZARD. BASED ON DATA AVAILABLE FROM COMPONENTS OR SIMILAR MATERIALS.
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	THIS PRODUCT CONTAINS GREATER THAN 0.1% BUT LESS THAN 1.0% FREE DIETHANOLAMINE. THE NATIONAL TOXICOLOGY PROGRAM RECENTLY COMPLETED STUDIES WHICH INDICATE THAT DERMALLY APPLIED DIETHANOLAMINE MAY HAVE CARCINOGENIC ACTIVITY IN LABORATORY ANIMALS. THERE ARE A NUMBER OF SCIENTIFIC ISSUES THAT RAISE QUESTIONS ABOUT THE VALIDITY AND RELEVANCE OF THESE STUDIES. RESEARCH IS EXPECTED TO CONTINUE ON THESE ISSUES.
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% MAY CAUSE REPRODUCTIVE TOXICITY.



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TERATOGENICITY NO DATA AVAILABLE TO INDICATE PRODUCT OR ANY COMPONENTS CONTAINED AT GREATER THAN 0.1% MAY CAUSE BIRTH DEFECTS.
 OTHER NITROSAMINES MAY BE FORMED UNDER CERTAIN CONDITIONS. NITROSAMINES ARE CARCINOGENIC IN ANIMAL STUDIES.

SECTION 12 – ECOLOGICAL INFORMATION

--ENVIRONMENTAL TOXICITY--

FRESHWATER FISH TOXICITY	THE ACUTE LC50 IS 1 – 10 MG/L BASED ON COMPONENTS DATA.
FRESHWATER INVERTEBRATES	THE ACUTE EC50 IS 1 – 10 MG/L BASED ON COMPONENT DATA. TOXICITY CHRONIC EFFECTS EXPECTED AT<1 MG/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.
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.

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL	THIS MATERIAL, IF DISCARDED, IS NOT 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.
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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 ENVIRONMENTAL HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIETHANOLAMINE) CLASS 9, PGIII, RQ.
U.S. DOT NON-BULK	NOT REGULATED.
DOT NAERG	171
TDG BULK	NOT REGULATED.
TDG NON-BULK	NOT REGULATED.
MEXICO	NOT REGULATED.
MEXICO NON-BULK	NOT REGULATED.
BULK QUANTITY	85000 LITERS, 187391 GAL.
INTERMEDIATE QUANT	11000 KG, 24251



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NON-BULK QUANTITY 400 KG, 882 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.

SECTION 15 – REGULATORY INFORMATION CONTINUED

EU ALL COMPONENTS ARE IN COMPLIANCE WITH THE EC SEVENTH AMENDMENT DIRECTIVE 92/32/EEC.
 JAPAN MAY REQUIRE NOTIFICATION IN 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 ENVIRONMENTAL PROTECTION ACT AND ARE PRESENT ON A DOMESTIC SUBSTANCES LIST.
 SWITZERLAND ALL COMPONENTS ARE IN COMPLIANCE WITH THE ENVIRONMENTALLY HAZARDOUS SUBSTANCES ORDINANCE IN SWITZERLAND.
 KOREA ALL COMPONENTS ARE IN COMPLIANCE IN KOREA.
 PHILIPPINES ALL COMPONENTS ARE IN COMPLIANCE WITH THE PHILIPPINES TOXIC SUBSTANCES 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
 OTHER U.S. FEDERAL REGULATIONS
 SARA HAZARD SUBSTANCE THIS PRODUCT DOES NOT CONTAIN GREATER THAN 1.0 OF ANY CHEMICAL SUBSTANCE ON THE SARA EXTREMELY HAZARDOUS SUBSTANCE LIST.
 SARA SECTION 313 0.7% DIETHANOLAMINE, CAS no. 111-42-2
 SARA 311 CLASSIFICATIONS
 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	13892	LBS	6301	KG

-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: 0.009% 1,4 DIOXANE, CAS No. 123-91-1 0.023% FORMALDEHYDE, CAS no. 50-00-0 0.721% DIETHANOLAMINE, CAS NO. 111-42-2 12.2% COCONUT DIETHANOLAMIDE, CAS NO. 68603-42-9



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--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

SECTION 15 – REGULATORY INFORMATION CONTINUED

SWISS REGISTRATION NOT REGISTERED.
 NUMBER
 ITALIAN 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

(N/E) – NONE ESTABLISHED.

HMIS CODES

HEALTH	FIRE	REACTIVITY
2	1	0

PRECAUTIONARY LABELS

DANGER

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

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