



24 Madison Road, Fairfield, New Jersey 07004, USA
Tel: 800-771-JEEN (5336), Tel: 973-439-1401, Fax: 973-439-1402,
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MSDS JEECHEM QP1

SECTION I - MATERIAL AND MANUFACTURER IDENTIFICATION

Manufacturer Name: JEEN INTERNATIONAL CORPORATION
24 Madison Road Fairfield, NJ 07004
Telephone Number: 973-439-1401
Generic Chemical Name: Mixture
Trade Name: **JEECHEM QP1**
Last Revised: 7/6/2011

Chemtrec Emergency Telephone No.: 800-424-9300
Chemtrec International Telephone No.: 703-527-3887 (Collect Calls Accepted)

SECTION 2 – Hazardous Identification

Appearance: Pearl – like liquid
Odor: Mild
Principal Hazards: Danger.

- Causes severe eye irritation risk of irreversible eye damage.
- Causes severe skin irritation.
- May cause respiratory tract irritation.

See Section 11 for complete health hazard information

SECTION 3 – Compositional Information On Ingredients

HAZARDOUS INGREDIENTS

<u>COMP</u>	<u>CAS NO.</u>	<u>PERCENTAGE (BY WT.)</u>	<u>CARCINOGEN</u>
Sodium Lauryl Sulfate	68585-47-7	From 20 to 29.9%	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. Immediately call a poison center or doctor.

SKIN: Wash with plenty of soap and water. If skin irritation occurs, get medical attention. Take off contaminated clothing and wash before re-use.

INHALATION: Remove exposed person to fresh air if adverse effects are observed. Call a poison center or doctor if exposed or you feel unwell.

ORAL: Treat symptomatically. Get medical attention.

ADDITIONAL INFORMATION: If exposed or concerned: get medical attention.

SECTION 5 – Fire Fighting Measures

FLASH POINT: >129°C, 264.2°F Test Method unavailable

EXTINGUISHING MEDIA: CO₂, Dry chemical, foam, water spray, water fog

FIREFIGHTING PROCEDURES: Wear full protective fire gear including self-contained breathing apparatus operated in the positive pressure mode with full face piece, coat, pants, gloves and boots.

UNUSUAL 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 PROTECTION: Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Take precautions to avoid release to the environment. 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 environmental regulation. Spilled liquid and dried film are slippery. Use care to avoid falls. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.



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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 contact with skin or eyes. When handling, do not eat, drink, or smoke. Avoid drinking, tasting, swallowing, or ingesting this product. Avoid inhalation of aerosol, mist, spray, fume or vapor. Avoid breathing dust, fumer, gas, mist, vapors or spray. Minimize contact with air to reduce contamination with mold, fungus, or other organisms which could cause decomposition or spoilage. Wash thoroughly after handling. Launder contaminated clothing before reuse. Empty container contains product residue which may exhibit hazards of product. Dispose of packaging or containers in accordance with local, regional, national and international regulations.
MAXIMUM STORAGE TEMPERATURE:	48.89°C, 120°F
STORAGE PROCEDURES:	Take precautions to avoid release to the environment. Keep from freezing. Store in a cool, dry, well-ventilated area. Keep container closed when not in use. Do not store at temperatures greater than 120°F (49°C). do not store in open, unlabeled, or mislabeled containers. See section 10 for incompatible materials.
LOADING TEMPERATURES:	Not Determined.

SECTION 8 – Exposure Controls/Personal Protection

EXPOSURE LIMITS:	None Established.
OTHER EXPOSURE LIMITS:	This product contains formaldehyde, which has an OSHA PEL TWA of 0.75 ppm and ACGIH TLV TWA of 0.3 ppm.
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 exhaust ventilation to draw spray, aerosol, fume, mist, or vapor away from workers.
GLOVES PROCEDURES:	Use good industrial hygiene practices to avoid skin contact. If contact with the material may occur wear chemically protective gloves.
EYE PROTECTION:	Chemical Goggles or Face shield
RESPIRATORY PROTECTION:	Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator.
CLOTHING RECOMMENDATION:	Gloves, coveralls, apron, boots as necessary to minimize contact. Wear either a chemical protective suit or apron when potential for contact with material exists. Use chemically protective boots when necessary to avoid contaminating shoes. Do not wear rings, watches or similar apparel that could entrap the material and cause skin reaction.

SECTION 9 – Physical and Chemical Properties

FLASH POINT:	>129°C, 264.2°F Test method unavailable (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:	~ 18 mm Hg (20°C)
pH:	7-7.5 at 10% in water
SPECIFIC GRAVITY:	1.06 (20°C)
BULK DENSITY:	8.84 Lb/gal, 1.06 Kg/L
WATER SOLUBILITY:	Material is miscible in water



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PERCENT SOLID: ~40% By Weight

SECTION 9 – Physical and Chemical Properties Continued

PERCENT VOLATILE: 59-61% By Weight
VOLATILE ORGANIC COMPOUND: Not Determined.
VAPOR DENSITY: <1 Air=1
EVAPORATION RATE: <1 Butyl acetate = 1
ODOR: Mild
APPEARANCE: Pearl-like liquid
VISCOSITY: Not Determined.
ODOR THRESHOLD: Not Determined.
BOILING POINT: ~100°C, ~212°F (Typical)
POUR POINT TEMPERATURES: Not Determined.
MELTING/FREEZING POINT: ~0°C, ~32°F

SECTION 10 – Stability and Reactivity

STABILITY: Material is normally stable at moderately elevated temperatures and pressures.
DECOMPOSITION TEMPERATURE: Not Determined.
INCOMPATIBILITY: Strong acids. Strong Bases. Oxidizing agents.
POLYMERIZATION: Will not occur
THERMAL DECOMPOSITION: Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. Under combustion conditions, oxides of the following elements will be formed: sulfur. 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

ACCUTE EXPOSURE

EYE IRRITATION: Sever eye irritant. Risk of irreversible damage to eyes. Based on data from components or similar materials.
SKIN IRRITATION: Severe 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 of similar material.
INHALATION TOXICITY: No data available to indicate product or components may be an inhalation hazard.
ORAL TOXICITY: The LD50 in rats is >10,000 mg/Kg. Based on data from components or similar materials.
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 available data to indicate product or components present at greater than 1% are chronic health hazards.
CARCINOGENICITY: No available data to indicate any components present at greater than 0.1% may present a carcinogenic hazard.
MUTAGENICITY: No available data to indicate product or components present at greater than 0.1% are mutagenic or genotoxic.
REPRODUCTIVE TOXICITY: No available data to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.

SECTION 11 – Toxicological Information Continued

TERATOGENICITY: Based on animal studies, ingestion of ethylene glycol appears to be the major and possibly only route of exposure produce birth defects. Exposures by inhalation (tested nose only in animals) or skin contact, the primary routes of occupational exposure, have minimal or essentially no effect on the fetus.

ADDITIONAL INFORMATION

OTHER: No other health hazards known.

SECTION 12 – Ecological Information

Environmental Toxicity

FRESHWATER FISH TOXICITY:	The acute LC50 is 1-10 mg/L based on component data.
FRESHWATER INVERTEBRATES TOXICITY:	The acute EC50 is 1-10 mg/L based on component data. Chronic effects expected at <1 mg/L based on component data
ALGAL INHIBITION:	The acute EC50 is 1-100 mg/L based on component data.
SALTWATER FISH TOXICITY:	Not Determined.
SALTWATER INVERTEBRATES TOXICITY:	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.

SECTION 14 – Transport Information

ICAO/IATA I:	Non-Regulated.
ICAO/IATA II:	Non-Regulated.
IMDG:	Non-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:	Non-Regulated.
DOT NAERG:	Not Applicable.
U.S. DOT (INTERMEDIATE):	Non-Regulated.
U.S. DOT INTERMEDIATE NAERG:	Not Applicable.
U.S. DOT NON-BULK:	Non-Regulated.
U.S. DOT NON-BULK NAERG:	Not Applicable.
CANADA:	Non-Regulated.
MEXICO:	Non-Regulated.



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BULK QUANTITY: 85000 KG, 187391 lbs.

SECTION 14 – Transport Information Continued

INTERMEDIATE QUANTITY: 11000 KG, 24251 lbs.
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 USA TSCA Inventory or are exempt.
OTHER TSCA REG.: None known.
EU: All components are in compliance with the EC Seventh amendment Directive 92/32/EEC.
JAPAN: All components are in compliance with the Chemical Substances Control Law of Japan.
AUSTRALIA: All components are in compliance with the chemical notification requirements in Australia.
NEW ZEALAND: All components are in compliance with the chemical notification requirements in New Zealand.
CANADA: All components are in compliance with the Canadian Environmental Protection Act and are present on the 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 Waste 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: All components of this product are listed on the Taiwan Inventory.

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: This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under SARA Section 313.
SARA 311 CLASSIFICATIONS:

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

CERCLA HAZARDOUS SUBSTANCES: None known.

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: <0.01 ppm arsenic <0.1 ppm lead 0.040% Formaldehyde, CAS no. 50-00-0

Product Registrations

U.S. FUEL REGISTRATION: Not applicable.
FINNISH REGISTRATION NUMBER: Not registered.
SWEDISH REGISTRATION NUMBER: Not registered.
NORWEGIAN REGISTRATION NUMBER: Not registered.
DANISH REGISTRATION NUMBER: Not registered.
SWISS REGISTRATION NUMBER: Not registered.
ITALIAN REGISTRATION NUMBER: Not registered.



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SECTION 15 – Regulatory Information Continued

MISCELLANEOUS REGULATORY INFORMATION: Other / International
Not determined

SECTION 16 – Other Information

US NFPA CODES:

HEALTH	FIRE	REACTIVITY	SPECIAL
3	1	0	N/E

HMIS CODES:

HEALTH	FIRE	REACTIVITY
3	1	0

PRECAUTIONARY LABELS:

Danger.

- Causes severe eye irritation risk of irreversible eye damage.
- Causes severe skin irritation.
- May cause respiratory tract irritation.

REVISION INDICATORS:

Section: 4 Oral first aid	Changed: 7 January 2011
Section: 4 Skin first aid	Changed: 7 January 2011
Section: 5 Extinguishing media	Changed: 7 January 2011
Section: 5 Unusual fire & explosion hazards	Changed: 7 January 2011
Section: 8 Clothing recommendations	Changed: 7 January 2011
Section: 8 Glove protection	Changed: 7 January 2011

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