



24 Madison Road, Fairfield, New Jersey 07004, USA  
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MATERIAL SAFETY DATA SHEET

SECTION I - MATERIAL AND MANUFACTURER IDENTIFICATION

Manufacturer's Name: JEEN INTERNATIONAL CORPORATION  
24 MADISON ROAD  
FAIRFIELD, NJ 07004  
Tel.# 973-439-1401  
Latest Revision: 10-26-89  
**Chemtrec Emergency Telephone No.: 800-424-9300**  
**Chemtrec International Telephone No.: 703-527-3887 (Collect Calls Accepted)**

Trade Name: **JEECHEM SML**  
Chemical Name: SORBITAN MONOLAURATE; SORBITAN LAURATE; SORBITAN DODECANOATE  
CAS Number: 1338-39-2  
Formula:  $C_{18}H_{34}O_6$   
Hazard Classification: Non-Hazardous  
Label: None  
Shipping Name: Not Regulated

SECTION II - INGREDIENTS

	<u>WEIGHT%</u>	<u>TWA/TLV</u>
JEECHEM SML which comprises:		
Sorbitan Monolaurate	99 MIN	NONE ESTABLISHED
Water	1 MAX	NONE ESTABLISHED

SECTION III - PHYSICAL DATA

BOILING POINT: NOT KNOWN  
VAPOR PRESSURE (mm Hg): NOT KNOWN  
VAPOR DENSITY (AIR=1): NOT KNOWN  
SOLUBILITY IN WATER: DISPERSIBLE  
APPEARANCE AND ODOR: CLEAR, AMBER LIQUID; MILD FATTY ODOR  
SPECIFIC GRAVITY ( $H_2O=1$ )@25°C: 1.0  
PERCENT VOLATILE BY WEIGHT: 1 MAX  
EVAPORATION RATE(BUTYL ACETATE=1): NOT KNOWN  
pH: 6.5 (5%)  
MELTING OR FREEZING POINT: NOT KNOWN  
VISCOSITY: 3100 cps @ 30°C

SECTION IV - FIRE AND EXPLOSION INFORMATION

FLASH POINT: 204°C, (COC)  
EXTINGUISHING MEDIA: FOAM, WATER, DRY CHEMICAL, CO<sub>2</sub>  
SPECIAL FIRE FIGHTING PROCEDURES: MUST WEAR MSHA/NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: PRODUCTS OF COMBUSTION ARE TOXIC. TREAT AS HOT OIL OR FAT. IF WATER MUST BE USED, USE A FOG NOZZLE TO AVOID SPLATTERING OF HOT MATERIAL AND SPREAD OF BURNING LIQUID.  
AUTO IGNITION TEMPERATURE: NOT KNOWN.  
UPPER EXPLOSION LIMIT (%): NOT KNOWN.





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#### SECTION V - HEALTH EFFECTS INFORMATION

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PRIMARY ROUTES OF ENTRY: SKIN CONTACT AND EYE CONTACT  
EFFECTS OF OVEREXPOSURE: NO INFORMATION FOUND. BASED UPON INFORMATION AVAILABLE FOR SIMILAR PRODUCTS IT IS ANTICIPATED THAT DIRECT SKIN WILL NOT RESULT IN IRRITATION.

OVEREXPOSURE MAY AGGRAVATE EXISTING CONDITIONS: NO EFFECTS INDICATED

EMERGENCY AND FIRST AID PROCEDURES:

**EYES:** FLUSH EYES WITH PLENTY OF WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS.  
**SKIN:** WASH AFFECTED AREAS WITH PLENTY OF WATER, AND SOAP IF AVAILABLE, FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS.  
**INGESTION:** IF SWALLOWED, GIVE 3-4 GLASSES OF WATER BUT DO NOT INDUCE VOMITING. IF VOMITING DOES OCCUR, GIVE FLUIDS AGAIN. GET MEDICAL ATTENTION TO DETERMINE WHETHER VOMITING OR EVACUATION OF STOMACH IS NECESSARY. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON.  
**INHALATION:** REMOVE FROM AREA TO FRESH AIR. SEEK MEDICAL ATTENTION IF RESPIRATORY IRRITATION DEVELOPS OR IF BREATHING BECOMES DIFFICULT.

CHEMICALS LISTED AS CARCINOGEN BY:  
NATIONAL TOXICOLOGY PROGRAM: NO  
I.A.R.C. MONOGRAPHS: NO  
OSHA: NO

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#### SECTION VI - REACTIVITY INFORMATION

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STABILITY: STABLE  
CONDITIONS TO AVOID: NONE KNOWN  
INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZING AGENTS, ACIDS OR BASES  
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION MAY PRODUCE OXIDES OF CARBON.  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR  
CONDITIONS TO AVOID: NONE KNOWN

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#### SECTION VII - SPILL AND DISPOSAL INFORMATION

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: CAUTION! FLOORS MAY BECOME SLIPPERY. WEAR APPROPRIATE PROTECTIVE EQUIPMENT AND MSHA/NIOSH APPROVED RESPIRATOR WHERE MIST OR VAPORS OF UNKNOWN CONCENTRATIONS MAY BE GENERATED (SELF-CONTAINED BREATHING APPARATUS PREFERRED). PRODUCT IS HOT (AT LEAST 122°F) AND WILL SOLIDIFY AS IT COOLS. DIKE AND CONTAIN SPILL WITH INERT MATERIAL (SAND, EARTH ETC.) AND TRANSFER THE HOT LIQUID AND SOLID SEPARATELY TO CONTAINERS FOR RECOVERY OR DISPOSAL. KEEP SPILL OUT OF SEWERS AND OPEN BODIES OF WATER.

WASTE DISPOSAL METHOD: DISPOSE OF IN COMPLIANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS. INCINERATION IS THE PREFERRED METHOD.



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#### SECTION VIII- PERSONAL PROTECTION INFORMATION

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RESPIRATORY PROTECTION: WHERE MIST OR VAPORS ARE GENERATED BY THE PROCESS, A NIOSH/MSHA JOINTLY APPROVED RESPIRATOR IS ADVISED IN THE ABSENCE OF PROPER ENVIRONMENTAL CONTROLS.

VENTILATION TYPE: IN PROCESSES WHERE MISTS OR VAPORS MAY BE GENERATED, PROPER VENTILATION MUST BE PROVIDED IN ACCORDANCE WITH GOOD VENTILATION PRACTICES.

PROTECTIVE GLOVES: APPROPRIATE PROTECTION TO PREVENT CONTACT WITH HOT LIQUID

EYE PROTECTION: APPROPRIATE PROTECTION TO PREVENT CONTACT WITH HOT LIQUID

OTHER PROTECTIVE EQUIPMENT: NONE NEEDED UNDER NORMAL USE CONDITIONS.

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#### SECTION IX - STORAGE AND HANDLING

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PRECAUTIONS TO BE TAKEN IN STORAGE AND HANDLING: TO MAINTAIN PRODUCT QUALITY, DO NOT STORE IN HEAT OR DIRECT SUNLIGHT. KEEP CONTAINERS CLOSED UNTIL USED.

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#### SECTION X - TOXICOLOGY INFORMATION

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\* ORAL LD<sub>50</sub> (RAT): GREATER THAN 5000mg/kg  
\* SKIN IRRITATION (RABBIT): NON-IRRITANT  
\* EYE IRRITATION (RABBIT): NON-IRRITANT

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#### SECTION XI - MISCELLANEOUS INFORMATION

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FOUND ON U.S. EPA TSCA INVENTORY.

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