



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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-MATERIAL SAFETY DATA SHEET

SECTION I - MATERIAL AND MANUFACTURER IDENTIFICATION

Manufacturer's Name: **Chemtrec Emergency Telephone No.: 800-424-9300**
JEEN INTERNATIONAL CORPORATION **Chemtrec Int'l Telephone No.: 703-527-3887 (Collect Calls Accepted)**
24 MADISON ROAD Date Issued: 10/01/94 - Rev. Supersedes: 07/15/86
FAIRFIELD, NJ 07004
Tel.# 973-439-1401

Material: **JEECHEM SMS**
CAS#: 1338-41-6
Shipping Name: Not Regulated
Label: None
Hazard Classification: Formula:
Non-Hazardous $C_{24}H_{46}O_6$
HMIS: HEALTH= 0 FLAMMABILITY=1 REACTIVITY=0
Chemical Name: Sorbitan monostearate; Sorbitan stearate; Sorbitan octadecanoate

SECTION II - INGREDIENTS

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

SECTION III - PHYSICAL DATA

APPEARANCE: TAN TO WHITE BEADS
VISCOSITY: NOT APPLICABLE
BOILING POINT: NOT KNOWN
VAPOR DENSITY (AIR=1): NOT KNOWN
PERCENT VOLATILEBY WEIGHT: 1 MAX
EVAPORATION RATE(BUTYL ACETATE=1): NOT KNOWN
pH: NOT KNOWN
ODOR: MILD FATTY
MELTING OR FREEZING POINT: 50-55°C
VAPOR PRESSURE (mm Hg): NOT KNOWN
SOLUBILITY IN WATER: DISPERSIBLE
SPECIFIC GRAVITY (H₂O=1) @25°C: 1.0

SECTION IV - FIRE AND EXPLOSION INFORMATION

FLASH POINT: 225°C (COC)
LOWER EXPLOSION LIMIT (%): NOT KNOWN
EXTINGUISHING MEDIA: FOAM, WATER, DRY CHEMICAL, CO₂
AUTO IGNITION TEMPERATURE: NOT KNOWN.
UPPER EXPLOSION LIMIT (%): NOT KNOWN.
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.



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SECTION V - HEALTH EFFECTS INFORMATION

PRIMARY ROUTES OF ENTRY: SKIN AND EYE CONTACT
EFFECTS OF OVEREXPOSURE: NO INFORMATION FOUND. BASED UPON INFORMATION AVAILABLE FOR SIMILAR PRODUCTS IT IS ANTICIPATED THAT DIRECT SKIN CONTACT 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

SECTION VI - REACTIVITY INFORMATION

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

SECTION VII - SPILL AND DISPOSAL INFORMATION

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

CAUTION! IF WET, FLOORS MAY BECOME SLIPPERY. WEAR APPROPRIATE PROTECTIVE GEAR AND RESPIRATORY PROTECTION WHERE PARTICULATES OF UNKNOWN CONCENTRATIONS MAY BE GENERATED (SELF-CONTAINED BREATHING APPARATUS PREFERRED FOR LARGE SPILLS). SHOVEL SPILLS INTO APPROPRIATE CONTAINERS FOR DISPOSAL. TO REMOVE RESIDUE, WET WITH WATER, ABSORB WITH SAND OR VERMICULITE AND PLACE IN COMPATIBLE CONTAINER FOR DISPOSAL. KEEP 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

VENTILATION TYPE:	IN PROCESSES WHERE DUSTS MAY BE GENERATED, PROPER VENTILATION MUST BE PROVIDED IN ACCORDANCE WITH GOOD VENTILATION PRACTICES.
RESPIRATORY PROTECTION:	WHERE DUST OR PARTICULATES ARE GENERATED BY THE PROCESS, A NIOSH/MSHA JOINTLY APPROVED RESPIRATOR IS ADVISED IN THE ABSENCE OF PROPER ENVIRONMENTAL CONTROLS.
PROTECTIVE GLOVES:	NONE NEEDED UNDER NORMAL USE CONDITIONS.
EYE PROTECTION:	NONE NEEDED UNDER NORMAL USE CONDITIONS.
OTHER PROTECTIVE EQUIPMENT:	NONE NEEDED UNDER NORMAL USE CONDITIONS.

SECTION IX - STORAGE AND HANDLING

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.

SECTION X - TOXICOLOGY INFORMATION

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

SECTION XI - MISCELLANEOUS INFORMATION

FOUND ON U.S. EPA TSCA INVENTORY.

LISTED IN 21 CFR 182 SUBPART B AS GRAS (U.S. FDA)