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## MATERIAL SAFETY DATA SHEET

### SECTION I - MATERIAL AND MANUFACTURER IDENTIFICATION

Manufacturer's Name:	JEEN International Corp. 24 MADISON ROAD FAIRFIELD, NJ 07004 TEL#: 973-439-1401	Chemtrec Chemtrec Int'l. (COLLECT CALLS ACCEPTED)	Emergency Tel: Emergency Tel: Date Issued: 11/20/02 - Rev	800-424-9300 703-527-3887
Material:	<b>JEESORB L-20 NF</b>		Supercedes: 10/27/92	
CAS Number: 9005-64-5	Formula: $C_6H_{11}O_4 (C_2H_4O)_{20}O_2CC_{11}H_{23}$	Mixture DOT Shipping Name:		Not Regulated
DOT Hazard Classification:	Non-Hazardous	DOT Label:		None
Chemical Name:	Sorbitan monococoate, ethoxylated; Polysorbate 20 (CTFA name); Polyoxethylene (20) sorbitan monolaurate			

### SECTION II - INGREDIENTS

	<u>APPROXIMATE WEIGHT%</u>	<u>TWA/TLV</u>
Sorbitan monococoate, ethoxylated (CAS #9005-64-5):	95	NONE ESTABLISHED
Water (CAS #7732-18-5):	3	NONE ESTABLISHED
Polyethylene glycol monococoate (CAS #61791-29-5):	1	NONE ESTABLISHED

### SECTION III - PHYSICAL DATA

APPEARANCE:	YELLOW LIQUID
BOILING POINT (760 mm Hg):	> 100°C
VAPOR DENSITY (AIR=1):	>1
VOLATILES, % BY VOLUME:	0 - 3% (WATER)
EVAPORATION RATE (BUTYL ACETATE=1):	<1
pH	7 (5% IN WATER)
ODOR:	MILD FATTY
MELTING OR FREEZING POINT:	NOT KNOWN; 14°C
VAPOR PRESSURE (mm Hg):	<1
SOLUBILITY IN WATER:	SOLUBLE
SPECIFIC GRAVITY ( $H_2O=1$ )@25°C:	1.10

### SECTION IV - FIRE AND EXPLOSION INFORMATION

FLASH POINT:	290°C (COC)
EXTINGUISHING MEDIA:	FOAM, WATER, DRY CHEMICAL, CO <sub>2</sub>

### SECTION IV - FIRE AND EXPLOSION INFORMATION CONTINUED...

SPECIAL FIRE FIGHTING PROCEDURES:	MUST WEAR MSHA/NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	PRODUCTS OF COMBUSTION ARE TOXIC.
AUTO IGNITION TEMPERATURE:	NOT KNOWN
LOWER EXPLOSION LIMIT (%):	NOT APPLICABLE
UPPER EXPLOSION LIMIT (%):	NOT APPLICABLE





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#### SECTION V - HEALTH EFFECTS INFORMATION

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<b>PRIMARY ROUTES OF ENTRY:</b>	SKIN CONTACT AND EYE CONTACT
<b>EFFECTS OF OVEREXPOSURE:</b>	BASED UPON THE RESULTS OF ANIMAL TOXICITY STUDIES, IT IS ANTICIPATED THAT DIRECT SKIN AND EYE CONTACT MAY PRODUCE MILD IRRITATION. NO INFORMATION IS AVAILABLE ON HUMAN OVEREXPOSURE.
<b>EMERGENCY &amp; FIRST AID PROCEDURES:</b>	
<b>EYES:</b>	FLUSH EYES WITH PLENTY OF WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS.
<b>SKIN:</b>	WASH AFFECTED AREAS WITH PLENTY OF SOAP AND WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS AND PERSISTS.
<b>INGESTION:</b>	IF SWALLOWED, RINSE OUT MOUTH AND DRINK 2-3 GLASSES OF WATER. SEEK MEDICAL ATTENTION IF DISCOMFORT OR OTHER SYMPTOMS DEVELOP.
<b>INHALATION:</b>	IF SIGNIFICANT QUANTITIES ARE INHALED, REMOVE FROM AREA TO FRESH AIR.
	SEEK MEDICAL ATTENTION IF DISCOMFORT OR OTHER SYMPTOMS DEVELOP.
<b>CHEMICALS LISTED AS CARCINOGEN BY:</b>	
	NATIONAL TOXICOLOGY PROGRAM: NO
	I.A.R.C. MONOGRAPHS: NO
	OSHA: NO

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#### SECTION VI - REACTIVITY INFORMATION

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<b>STABILITY:</b>	STABLE
<b>CONDITIONS TO AVOID:</b>	NONE KNOWN
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	THERMAL DECOMPOSITION MAY PRODUCE TOXIC ORGANIC VAPORS/FUMES AND OXIDES OF CARBON.
<b>HAZARDOUS POLYMERIZATION:</b>	WILL NOT OCCUR
<b>CONDITIONS TO AVOID:</b>	NONE KNOWN
<b>INCOMPATIBILITY (MATERIALS TO AVOID):</b>	STRONG OXIDIZING AGENTS, ACIDS OR BASES.

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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 NIOSH/MSHA APPROVED RESPIRATOR WHERE MIST OR VAPORS OF UNKNOWN CONCENTRATIONS MAY BE GENERATED (SELF-CONTAINED BREATHING APPARATUS PREFERRED).

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#### SECTION VII - SPILL AND DISPOSAL INFORMATION CONTINUED..

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DIKE AND CONTAIN SPILL WITH INERT MATERIAL (SAND, EARTH, ETC.) AND TRANSFER THE 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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<b>VENTILATION TYPE:</b>	IN PROCESSES WHERE MISTS OR VAPORS MAY BE GENERATED, PROPER VENTILATION MUST BE PROVIDED IN ACCORDANCE WITH GOOD VENTILATION PRACTICES.
<b>RESPIRATORY PROTECTION:</b>	WHERE MIST OR VAPORS ARE GENERATED BY THE PROCESS, A NIOSH/MSHA JOINTLY APPROVED RESPIRATOR IS ADVISED IN THE ABSENCE OF PROPER ENVIRONMENTAL CONTROLS.
<b>PROTECTIVE GLOVES:</b>	NONE REQUIRED PROVIDED THAT NORMAL INDUSTRIAL HYGIENE PRACTICES ARE OBSERVED.
<b>EYE PROTECTION:</b>	NONE REQUIRED PROVIDED THAT NORMAL INDUSTRIAL HYGIENE PRACTICES ARE OBSERVED. OTHER PROTECTIVE EQUIPMENT: NONE REQUIRED PROVIDED THAT NORMAL INDUSTRIAL HYGIENE PRACTICES ARE OBSERVED.



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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
  - EYE IRRITATION (RABBIT): NON-IRRITANT
  - SKIN IRRITATION (RABBIT): NON-IRRITANT
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#### SECTION XI - MISCELLANEOUS AND REGULATORY INFORMATION

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##### FEDERAL LEVEL REGULATIONS:

TOXIC SUBSTANCES CONTROL ACT (TSCA INVENTORY) STATUS: FOUND ON U.S. EPA TSCA INVENTORY.  
CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT OF 1980 REQUIRES NOTIFICATION OF THE NATIONAL RESPONSE CENTER (TELEPHONE 1-800-424-8802) IN THE EVENT OF A RELEASE OF QUANTITIES OF THE FOLLOWING HAZARDOUS MATERIALS CONTAINED IN THIS PRODUCT, IF THE RELEASE IS EQUAL TO OR GREATER THAT THE REPORTABLE QUANTITIES (RQs) LISTED IN 40 CFR 302.4:

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#### SECTION XI - MISCELLANEOUS AND REGULATORY INFORMATION

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<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>TYPICAL MAXIMUM CONCENTRATION</u>
NONE KNOWN	-	-

SARA TITLE III, SECTIONS 302/304 (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986): THIS ACT REQUIRES EMERGENCY PLANNING, INCLUDING AGENCY NOTIFICATION, FOR POSSIBLE RELEASE OF THE FOLLOWING COMPONENTS OF THIS MATERIAL, BASED UPON THE THRESHOLD PLANNING QUANTITIES (TPQs) AND RELEASE REPORTABLE QUANTITIES (RQs) LISTED FOR THE COMPONENTS IN 40 CFR 355:

##### TYPICAL MAXIMUM

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>CONCENTRATION</u>
NONE KNOWN	-	-

SARA TITLE III, SECTIONS 311/312 -

THIS ACT REQUIRES REPORTING UNDER THE COMMUNITY RIGHT-TO-KNOW PROVISIONS DUE TO THE INCLUSION OF THE FOLLOWING COMPONENTS OF THIS MATERIAL IN ONE OR MORE OF THE FIVE HAZARD CATEGORIES LISTED IN 40 CFR 370: HAZARD \*)

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>CONCENTRATION</u>
NONE KNOWN	-	-

\*) THE FIVE HAZARD CATEGORIES ARE AS FOLLOWS: F= FIRE HAZARD; S=SUDDEN RELEASE OF PRESSURE; R=REACTIVE; A=IMMEDIATE (ACUTE) HEALTH HAZARD; C=DELAYED (CHRONIC) HEALTH HAZARD.

##### FEDERAL LEVEL REGULATIONS (CONTINUED):

SARA TITLE 313-

THIS ACT REQUIRES SUBMISSION OF ANNUAL REPORTS OF RELEASES OF THE FOLLOWING COMPONENTS OF THIS MATERIAL IF THE THRESHOLD REPORTING QUANTITIES, AS LISTED IN 40 CFR 372, ARE MET OR EXCEEDED:

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>TYPICAL MAXIMUM CONCENTRATION</u>
NONE KNOWN	-	-

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