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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
Telephone No.: (973) 439-1401

Chemtrec Emergency Tel.# 800-424-9300
***Chemtrec Int'l Tel.# 703-527-3887**
***Collect Calls Accepted**

PRODUCT: **JEESORB S-4 NF**
SYNONYMS: SORBITAN MONOSTEARATE POE-4
CHEMICAL: ETHOXYLATED ALCOHOL AND ESTER
CAS NUMBER: 9005-67-8
SARA HAZARD: NONE NOTED (SECTION 311/312)
TITLE III SECTION 313 - CONTAINS GLYCOL ETHERS

SECTION II - HAZARDOUS INGREDIENTS

COMPOSITION:	%	PEL/TLV	HAZARD
POE (4) SORBITAN MONOSTEARATE (CONTAINS A MINIMUM OF 34% POE (1-3) SORBITAN MONOSTEARATE)	97	NONE/NONE	SEE SECTION III

SECTION III - HEALTH INFORMATION

INHALATION: UNKNOWN
INGESTION: LD50: GREATER THAN 5 CC/KG FOR SIMILAR PRODUCTS.
EYE CONTACT: INSTILLATION OF 0.1 ML OF A SIMILAR PRODUCT INTO THE RIGHT EYE OF EACH OF NINE RABBITS DID NOT PRODUCE ANY IRRITATION.
SKIN CONTACT: THE PRIMARY SKIN IRRITATION INDEX OF A SIMILAR PRODUCT WAS FOUND TO BE <0.7. THE SIMILAR PRODUCT WAS NOT CLASSIFIED AS A PRIMARY SKIN IRRITANT OR AS A CORROSIVE MATERIAL.

SECTION IV - OCCUPATIONAL EXPOSURE LIMITS

PEL: NO OSHA PEL
TLV: NO ACGIH TLV

SECTION V - EMERGENCY FIRST AID PROCEDURE

FOR OVEREXPOSURE BY SWALLOWING: CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.
FOR OVEREXPOSURE BY SKIN CONTACT: WASH AFFECTED AREA.
FOR OVEREXPOSURE BY EYE CONTACT: IMMEDIATELY FLUSH EYES WITH PLENTY OF COOL WATER FOR AT LEAST 15 MINUTES. DO NOT LET VICTIM RUB EYES. GET MEDICAL ATTENTION IMMEDIATELY.
FOR OVEREXPOSURE BY INHALATION: IMMEDIATELY REMOVE VICTIM TO FRESH AIR. IF VICTIM HAS STOPPED BREATHING GIVE ARTIFICIAL RESPIRATION, PREFERABLY BY MOUTH-TO-MOUTH. GET MEDICAL ATTENTION IMMEDIATELY.

SECTION VI - PHYSICAL DATA

BOILING POINT: NOT DETERMINED
MELTING POINT: 35°C
CAPOR PRESSURE: NOT DETERMINED
SPECIFIC GRAVITY: 0.98 @ 60°C
VAPOR DENSITY (AIR=1): GREATER THAN 1
SOLUBILITY IN WATER: SOLUBLE
APPEARANCE AND COLOR: YELLOW SOLID



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SECTION VII - FIRE AND EXPLOSION HAZARDS

FLASH POINT & METHOD USED: 520°F (271°C) C.O.C.
FLAMMABLE LIMITS IN AIR, % BY VOL. LOWER: NOT ESTABLISHED
FLAMMABLE LIMITS IN AIR, % BY VOL. UPPER: NOT ESTABLISHED
NFPA RATING: NO NFPA RATING
SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS: (INDIVIDUALS SHOULD PERFORM ONLY THOSE FIRE FIGHTING PROCEDURES WHICH THEY HAVE BEEN TRAINED) USE WATER SPRAY, DRY CHEMICAL, FOAM OR CARBON DIOXIDE. USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL. IF A SPILL OR LEAK HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE THE VAPORS. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM THE FIRE AND DILUTE SPILLS TO NONFLAMMABLE MIXTURES.
UNUSUAL FIRE AND EXPLOSION HAZARDS: FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS IN THE POSITIVE-PRESSURE MODE WITH A FULL FACEPIECE WHEN THERE IS A POSSIBILITY OF EXPOSURE TO SMOKE, FUMES OR HAZARDOUS DECOMPOSITION PRODUCTS.

SECTION VIII- REACTIVITY

STABILITY: GENERALLY STABLE
HAZARDOUS POLYMERIZATION: NONE LIKELY
CONDITIONS & MATERIALS TO AVOID: KEEP AWAY FROM HEAT AND FLAMES. AVOID CONTACT WITH OXIDIZING MATERIALS.
HAZARDOUS DECOMPOSITION PRODUCTS: DECOMPOSITION MAY PRODUCE OXIDES OF CARBON.

SECTION IX - EMPLOYEE PROTECTION

CONTROL MEASURES: HANDLE IN THE PRESENCE OF ADEQUATE VENTILATION.
RESPIRATORY PROTECTION:
RECOMMENDED EXPOSURE LIMITS (i.e., OSHA-PEL AND ACGIH-TLV) HAVE NOT BEEN ESTABLISHED FOR THIS MATERIAL. WHETHER THERE IS A NEED FOR RESPIRATORY PROTECTION UNDER YOUR CONDITIONS OF HANDLING OF THIS MATERIAL SHOULD BE EVALUTED BY A QUALIFIED HEALTH SPECIALIST.
PROTECTIVE CLOTHING:
WEAR GLOVES AND PROTECTIVE CLOTHING WHICH ARE IMPERVIOUS TO THE PRODUCT FOR THE DURATION OF ANTICIPATED EXPOSURE IF THERE IS POTENTIAL FOR PORLONGED OR REPEATED SKIN CONTACT.
EYE PROTECTION:
WEAR SAFETY GLASSES MEETING THE SPECIFICATIONS OF ANSI STANDARD Z87.1. WHERE NO CONTACT WITH THE EYE IS ANTICIPATED. CHEMICAL SAFETY GOGGLES MEETING THE SPECIFICATIONS OF ANSI STANDARD Z87.1 SHOULD BE WORN WHENEVER THERE IS THE POSSIBILITY OF SPLASHING OR OTHER CONTACT WITH THE EYES.

SECTION X - ENVIRONMENTAL PROTECTION

ENVIRONMENTAL PRECAUTIONS:
AVOID UNCONTROLLED RELEASES OF THIS MATERIAL. WHERE SPILLS ARE POSSIBLE, A COMPREHENSIVE SPILL RESPONSE PLAN SHOULD BE DEVELOPED AND IMPLEMENTED.
SPILL OR LEAK PRECAUTIONS:
WEAR APPROPRIATE RESPIRATORY PROTECTION AND PROTECTIVE CLOTHING AS DESCRIBED IN SECTION IX. CONTAIN SPILL MATERIAL. TRANSFER TO SECURE CONTAINERS. WHERE NECESSARY, COLLECT USING ABSORBENT MEDIA. IN THE EVENT OF AN UNCONTROLLED RELEASE OF THIS MATERIAL, THE USER SHOULD DETERMINE IF THE RELEASE IS REPORTABLE UNDER APPLICABLE LAWS AND REGULATIONS.
WASTE DISPOSAL:
ALL RECOVERED MATERIAL SHOULD BE PACKED, LABELED, TRANSPORTED, AND DISPOSED OR RECLAIMED IN CONFORMANCE WITH APPLICABLE LAWS AND REGULATIONS AND IN CONFORMANCE WITH GOOD ENGINEERING PRACTICES. AVOID LANDFILLING OF LIQUIDS. RECLAIM WHERE POSSIBLE.

SECTION XI - REGULATORY CONTROLS

DEPARTMENT OF TRANSPORTATION:
DOT CLASSIFICATION: NOT REGULATED
DOT PROPER SHIPPING NAME: -
OTHER DOT INFORMATION: -
OTHER REGULATORY REQUIREMENTS:
LISTED IN TSCA INVENTORY

SECTION XII - PRECAUTIONS: HANDLING, STORAGE AND USAGE

NO SPECIAL PRECAUTIONS NECESSARY. AVOID CONTAINER DAMAGE WHILE HANDLING AND STORING.

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