

STERIS CORPORATION, CALGON VESTAL DIV -- 1C19, VESTA-SYDE ENZYME PRESOAK --  
7930-01-360-8968

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===== Product Identification =====

Product ID:1C19, VESTA-SYDE ENZYME PRESOAK  
MSDS Date:04/15/1997  
FSC:7930  
NIIN:01-360-8968  
Status Code:A  
MSDS Number: CKJLP  
==== Responsible Party ====  
Company Name:STERIS CORPORATION, CALGON VESTAL DIV  
Address:7501 PAGE AVE  
Box:147  
City:SAINT LOUIS  
State:MO  
ZIP:63166  
Cou  
ntry:US  
Info Phone Num:800-548-4873; 314-535-1810  
Emergency Phone Num:314-535-1395  
Preparer's Name:M. EBERS  
Chemtrec Ind/Phone:(800)424-9300  
CAGE:19410  
==== Contractor Identification ====  
Company Name:STERIS CORPORATION, CALGON VESTAL DIV  
Address:7501 PAGE AVE  
Box:147  
City:SAINT LOUIS  
State:MO  
ZIP:63166  
Country:US  
Phone:800-548-4873 / 314-535-1810  
CAGE:19410

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===== Composition/Information on Ingredients =====

Ingred Name:SUBTILISINS (PROTEOLYTIC ENZYMES)  
CAS:9014-01-1  
RTECS #:CO

9550000

&lt; Wt:5.

ACGIH STEL:C0.00006 MG/M3

Ingred Name:SODIUM TETRABORATE DECAHYDRATE

CAS:1303-96-4

RTECS #:VZ2275000

&lt; Wt:5.

OSHA PEL:10 MG/M3

ACGIH TLV:5 MG/M3

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Hazards Identification  
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Health Hazards Acute and Chronic:ACUTE: EYES & SKIN-UPON CONTACT, MILDLY IRRITATING TO EYES. PROLONGED OR REPEATED CONTACT MAY IRRITATE SKIN. INHALATION-SPRAY MISTS OR DUSTS FROM DRIED RESIDUES MAY RESULT IN RESPIRATORY IRRITATION, COUGHING AND/OR DIFFICULTY IN BREATHING. INGESTION-MAY CAUSE UPSET TO GASTROINTESTINAL TRACT. CHRONIC: SUBSTITUTES CHRONIC EXPOSURE TO DUSTS SHOWED ALLERGIC SENSITIZATION WITH RESPIRATORY ALLERGIC REACTIONS WITHIN MINUTES OR DELAYED UP TO 24 HOURS.

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First Aid Measures  
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First Aid:EYES: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SEE A PHYSICIAN. SKIN: IMMEDIATELY WASH WITH SOAP AND PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING. IF IRRITATION DEVELOPS, SEEK MEDICAL AID. INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING DIFFICULT, GIVE OXYGEN IF AVAILABLE. SEEK MEDICAL AID AND REPORT ALL INHALATION EXPOSURES TO HEALTH AND SAFETY PERSONNEL. INGESTION: DO NOT INDUCE VOMITING. GIVE WATER TO DILUTE. CALL A PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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Fire Fighting Measures  
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Extinguishing Media:SUITABLE FOR SURROUNDING FIRE; WATER,CO2, FOAM, DRY CHEMICAL.

Fire Fighting Procedures:NONE KNOWN.

Unusual Fire/Explosion Hazard:NONE KNOWN.

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Accidental Release Measures  
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Spill Release Procedures:SPILLS MAY BE PICKED UP WITH A MOP AND FOLLOWED BY A WATER RINSE. SMALL SPILLS MAY BE FLUSHED TO A SANITARY SEWER WITH COPIOUS AMOUNTS OF WATER.

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Handling and Storage  
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Handling and Storage Precautions:AVOID EXPOSURE TO HIGH TEMPERATURE OR HUMIDITY. WASH HANDS THOROUGHLY AFTER USE. KEEP CONTAINER CLOSED WHEN NOT IN USE. READ AND OBSERVE ALL LEBELED USE INSTRUCTIONS.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NOT REQUIRED UNDER NORMAL USE.  
Ventilation:LOCAL EXHAUST.  
Protective Gloves:RUBBER.  
Eye Protection:SAFETY GLASSES.  
Other Protective Equipment:CLOTHES SUFFICIENT TO AVOID CONTACT.  
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upplemental Safety and Health

===== Physical/Chemical Properties =====

HCC:N1  
Spec Gravity:1.086  
pH:7.5-8.0  
Solubility in Water:COMPLETE  
Appearance and Odor:AMBER LIQUID; TYPICAL, MILD ODOR

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
NONE KNOWN.  
Stability Condition to Avoid:NONE KNOWN.  
Hazardous Decomposition Products:PROPINALDEHYDE, CO, CO2, IN FIRE SITUATIONS.

===== Disposal  
Considerations =====

Waste Disposal Methods:PRODUCT MAY BE FLUSHED TO A SANITARY SEWER WITH COPIOUS AMOUNTS OF WATER, IF IN ACCORDANCE WITH STATE, LOCAL AND FEDERAL REGULATIONS. FOR ADDITIONAL GUIDANCE, CONTACT THE STATE WATER BOARD OR THE REGI ONAL OFFICE OF THE EPA.

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