

STERIS CORPORATION, CALGON VESTAL -- 1673, KLENZYME, MEDICAL APPARATUS AND  
INSTRUMENT PRESOAK -- 7930-01-343-5644

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

Product ID:1673, KLENZYME, MEDICAL APPARATUS AND INSTRUMENT PRESOAK

MSDS Date:06/01/1998

FSC:7930

NIIN:01-343-5644

Status Code:A

MSDS Number: CLLLW

=== Responsible Party ===

Company Name:STERIS CORPORATION, CALGON VESTAL

Address:7501 PAGE AVE

Box:147

City:SAINT LOUIS

State:MO

ZIP:63166

Country: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:CONVATEC, BRISTOL-MEYERS SQUIBB CO

Address:7501 PAGE

Box:147

City:ST. LOUIS

State:MO

ZIP:63166-1096

Country:US

Phone:314-535-1810 (DAY)

CAGE:21667

Company Name:STERIS CORPORATION, CALGON VESTAL DIV

Address:7501 PAGE AVE

Box:147

City:SAINT LOUIS

State:MO

ZIP:631

66

Country:US

Phone:800-548-4873 / 314-535-1810

CAGE:19410

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Composition/Information on Ingredients  
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Ingred Name:SUBTILISINS (PROTEOLYTIC ENZYMES)

CAS:9014-01-1

RTECS #:CO9550000

&lt; Wt:5.

Other REC Limits:NOT PROVIDED

ACGIH STEL:C0.00006 MG/M3

Ingred Name:SODIUM TETRABORATE DECAHYDRATE

CAS:1303-96-4

RTECS #:VZ2275000

&lt; Wt:5.

Other REC Limits:NOT PROVIDED

OSHA PEL:10 MG/M3

ACGIH TLV:5 MG/M3

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Hazards Identification  
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D50 LC50 Mixture:NOT PROVIDED

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE&SKIN: UPON CONTACT, MILDLY

IRRITATING TO EYES. PROLONGED OR REPEATED CONTACT MAY IRRITATE SKIN. INHALTION: SPRAY MISTS OR DUSTS FROM DRIED RESIDUES MAY RESULT IN RESPIRATORY IRRITATION, COUGHING A ND/OR DIFFICULTY IN BREATHING. INGESTION: MAY CAUSE UPSET TO GASTROINTESTINAL TRACT. CHRONIC: SUBTILISINS CHRONIC EXPOSURE TO DUSTS SHOWED ALLERGIC SENSITIZATI

ON WITH RESPIRATORY ALLERGIC REACTIONS WI THING MINUTES OR DELAYED UP TO 24 HOURS.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:EYE&SKIN: UPON CONTACT, MILDLY IRRITATING TO EYES. PROLONGED OR REPEATED CONTACT MAY IRRITATE SKIN. INHALTION: SPRAY MISTS OR DUSTS FROM DRIED RESIDUES MAY RESULT IN RESPIRATORY IRRITATION, COUGHING A ND/OR DIFFICULTY IN BREATHING. INGESTION: MAY CAUSE UPSET TO GASTROINTESTINAL TRACT.

Medical Cond Aggravated by Exposure:NOT PROVIDED

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===== First Aid Measures =====

First Aid:EYE: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, SEE PHYSICIAN. SKIN: IMMEDIATELY WASH WITH SOAP AND 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 IS DIFFICULT, GIVE OXYGEN. SEEK MEDICAL AID AND REPORT ALL INHALATION EXP

OSUR ES TO HEALTH AND SAFETY PERSONEEL. INGESTION: DO NOT INDUCE VOMITING. GIVE WATER TO DILUTE. CALL PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

===== Fire Fighting Measures =====

Extinguishing Media:SUITABLE FOR SURROUNDING FIRE: WATER, CO2, FOAM, DRY CHEMICAL

Fire Fighting Procedures:NONE KNOWN

Unusual Fire/Explosion Hazard:NONE KNOWN

===== Accidental Release Measures =====

Spill Release Proced

ures: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.

Neutralizing Agent:NOT PROVIDED

===== Handling and Storage =====

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 LABELED USE INSTRUCTIONS.

Other Precautions:NOT PROVIDED

===== 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.

Work Hygienic Practices:WASH HANDS THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

ABBREVIATION: N/A = NOT APPLICABLE. N/AV = NOT AVAILABLE. N/K = UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT DETERMIN

ED. N/E = NOT ESTABLISHED. CNS = CENTRAL NERVOUS SYSTEM. GI  
= GASTROINTESTINAL. SCBA = SELF CONTAINED BREATHING APPARATUS.

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

HCC:N1  
NRC/State Lic Num:NOT RELEVANT  
Boiling Pt:B.P. Text:NOT AVAILABLE  
Melt/Freeze Pt:M.P/F.P Text:NOT AVAILABLE  
Decomp Temp:Decomp Text:NOT PROVIDED  
Vapor Pres:NOT PROVIDED  
Spec Gravity:1.086  
pH:7.5-8.0  
Viscosity:NOT PROVIDED  
Evaporation Rate & Reference:NOT PROVIDED  
Solubility in Water:COMPLE  
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Appearance and Odor:AMBER FLUID; SPICY FLORAL ODOR.  
Percent Volatiles by Volume:NOT PROVIDED  
Corrosion Rate:NOT PROVIDED

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

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

===== Toxicological Information =====

Toxicological Information:NOT PROVIDED

===== Ecological Information =====

Ecological:NOT PROVIDED

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

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

===== MSDS Transport Information =====

Transport Information:NO

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===== Regulatory Information =====

SARA Title III Information:NOT PROVIDED  
Federal Regulatory Information:NOT PROVIDED  
State Regulatory Information:NOT PROVIDED

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===== Other Information =====

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