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THE WORLD'S FOREMOST MANUFACTURER OF RESEARCH
BIOCHEMICALS AND DIAGNOSTIC REAGENTS

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DATE: 09/08/93
CUST#: 2-097-94816
PO#: UND-41251

M A T E R I A L S A F E T Y D A T A S H E E T PAGE 1

SECTION 1. - - - - - CHEMICAL IDENTIFICATION - - - - -

PRODUCT #: T0646 NAME: TRYPSIN 1:250 FROM PORCINE PANCREAS
GAMMA-IRRADIATED
CELL CULTURE TESTED

SECTION 2. - - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - -

CAS #: 9002-07-7

SYNONYMS
PARENZYME * PARENZYMOX * TRYPTAR * TRYPURE * U-4858 *
®

SECTION 3. - - - - - HAZARDS IDENTIFICATION - - - - -

LABEL PRECAUTIONARY STATEMENTS

HARMFUL
HARMFUL IF SWALLOWED.
MAY CAUSE SENSITIZATION BY INHALATION AND SKIN CONTACT.
IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF
WATER AND SEEK MEDICAL ADVICE.
WEAR SUITABLE PROTECTIVE CLOTHING.

SECTION 4. - - - - - FIRST-AID MEASURES - - - - -

IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
CALL A PHYSICIAN.
IN CASE OF SKIN CONTACT, FLUSH WITH COPIOUS AMOUNTS OF WATER
FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND
SHOES. CALL A PHYSICIAN.
IF INHALED, REMOVE TO FRESH AIR. IF BREATHING BECOMES DIFFICULT,
CALL A PHYSICIAN.
IN CASE OF CONTACT WITH EYES, FLUSH WITH COPIOUS AMOUNTS OF WATER
FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING
THE EYELIDS WITH FINGERS. CALL A PHYSICIAN.

SECTION 5. - - - - - FIRE FIGHTING MEASURES - - - - -

EXTINGUISHING MEDIA

WATER SPRAY.
CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

SPECIAL FIRE FIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO

CONTINUED ON NEXT PAGE

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M A T E R I A L S A F E T Y D A T A S H E E T

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CUST#: 2-097-94816
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PRODUCT #: T0646

NAME: TRYPsin 1:250 FROM PORCINE PANCREAS
GAMMA-IRRADIATED
CELL CULTURE TESTED

PREVENT CONTACT WITH SKIN AND EYES.

SECTION 6. ----- ACCIDENTAL RELEASE MEASURES -----

WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY RUBBER GLOVES.
SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.
AVOID RAISING DUST.
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

SECTION 7. ----- HANDLING AND STORAGE -----
REFER TO SECTION 8.

SECTION 8. ----- EXPOSURE CONTROLS/PERSONAL PROTECTION -----

WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.
MECHANICAL EXHAUST REQUIRED.

SECTION 9. ----- PHYSICAL AND CHEMICAL PROPERTIES -----

APPEARANCE AND ODOR
WHITE POWDER

SECTION 10. ----- STABILITY AND REACTIVITY -----

STABILITY
STABLE.
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
NATURE OF DECOMPOSITION PRODUCTS NOT KNOWN.
HAZARDOUS POLYMERIZATION
WILL NOT OCCUR.

SECTION 11. ----- TOXICOLOGICAL INFORMATION -----

ACUTE EFFECTS

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 GAMMA-IRRADIATED
 CELL CULTURE TESTED

HARMFUL IF SWALLOWED.
 MAY BE HARMFUL IF INHALED.
 MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN.
 CAUSES EYE AND SKIN IRRITATION.
 MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER
 RESPIRATORY TRACT.
 MAY CAUSE ALLERGIC RESPIRATORY AND SKIN REACTIONS.
 THE TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY
 INVESTIGATED.

RTECS NO: YN507500



TRYPSIN
 TOXICITY DATA

ORL-RAT LD50: >5 GM/KG	NIIRDN -,744,90
IPR-RAT LD50: >51 MG/KG	NIIRDN -,744,90
IVN-RAT LD50: 36 MG/KG	FATDAO 45(6),78,82
IMS-RAT LD50: 200 MG/KG	NIIRDN -,744,90
ORL-MUS LD50: 1450 MG/KG	NIIRDN -,744,90
IPR-MJS LD50: 100 MG/KG	FATDAO 45(6),78,82
IVN-MJS LD50: 11100 UG/KG	NIIRDN 6,523,82
IMS-MUS LD50: 105 MG/KG	NIIRDN -,744,90
IVN-RBT LD50: 2200 UG/KG	NIIRDN 6,523,82

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
 (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR
 COMPLETE INFORMATION.

SECTION 12. ----- ECOLOGICAL INFORMATION -----
 DATA NOT YET AVAILABLE.

SECTION 13. ----- DISPOSAL CONSIDERATIONS -----

DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A
 CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.
 OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. ----- TRANSPORT INFORMATION -----

CONTACT SIGMA CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

SECTION 15. ----- REGULATORY INFORMATION -----

CONTINUED ON NEXT PAGE

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PAGE 4

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NAME: TRYPSIN 1:250 FROM PORCINE PANCREAS
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CELL CULTURE TESTED

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TLV AND SOURCE

RECOMMENDED CEILING LIMIT OF 0.06 MCG/M3.

REVIEWS, STANDARDS, AND REGULATIONS

NOES 1983: H2O 83366; NIS 1; TNE 72; NOS 4; TNE 820; TFE 628
EPA TSCA CHEMICAL INVENTORY, JUNE 1990

SECTION 16. - - - - - OTHER INFORMATION - - - - -



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