



rev: 10/2/1997

SIGMA CHEMICAL COMPANY
POST OFFICE BOX 14508
SAINT LOUIS, MISSOURI 63178, USA

SIGMA-ALDRICH

ATTN: SAFETY DIRECTOR
RICHARD FOREMAN
UNIVERSITY OF NEVADA
ENVIRONMENTAL HEALTH
AND SAFETY OFFICE
MAILSTOP #181
RENO

16661

EMERGENCY PHONE 1-314-771-5765

DATE 10/02/97
CUST#: 2-055-60420
PO#: 1PHR102355

NV 89557

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-----

CATALOG #: 03251
NAME: OXYTOCIN LYOPHILIZED POWDER APPROX.
50 I.U. PER MG

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

CAS #: 50-56-6
EC NO: 200-048-4

SYNONYMS

ATONIN O * DI-SIPIDIN * ENDOPITUITRINA * ALPHA-HYPOPHAMINE *
NOBITOCIN S * ORASTHIN * OXETAKAIN (CZECH) * OXYSTIN * PARTOCON *
PITOCIN * PITON S * POSTERIOR PITUITARY EXTRACT * PRESOXIN * SYNPIITAN *
* SYNTHETIC OXYTOCIN * SYNTOCIN * SYNTOCINON * SYNTOCINONE * UTERDRIN *
UTERACON *

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

LABEL PRECAUTIONARY STATEMENTS

HARMFUL
HARMFUL BY INHALATION.
REPRODUCTIVE HAZARD.
IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE
IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).
WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE
PROTECTION.

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 FIREFIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO

CONTINUED ON NEXT PAGE

1706

We are committed to the success of our customers through science, technology and service.



SIGMA CHEMICAL COMPANY
POST OFFICE BOX 14508
SAINT LOUIS, MISSOURI 63178, USA

CUST#: 2-055-60420
PO#: 1PHR102355

M A T E R I A L S A F E T Y D A T A S H E E T PAGE 2
- - - - -

CATALOG #: 03251
NAME: OXYTOCIN LYOPHILIZED POWDER APPROX.
50 I.U. PER MG

PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS
EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

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- - - - -

NIOSH/MSHA-APPROVED RESPIRATOR.
USE ONLY IN A CHEMICAL FUME HOOD.
COMPATIBLE CHEMICAL-RESISTANT GLOVES.
CHEMICAL SAFETY GOGGLES.

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

APPEARANCE AND ODOR
SOLID.

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

STABILITY
STABLE.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

TOXIC FUMES OF:
CARBON MONOXIDE, CARBON DIOXIDE
NITROGEN OXIDES
SULFUR OXIDES

HAZARDOUS POLYMERIZATION
WILL NOT OCCUR.

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

ACUTE EFFECTS

HARMFUL IF INHALED.
BIOACTIVE PEPTIDE.
SYMPTOMS OF OVEREXPOSURE INCLUDE NAUSEA, VOMITING, ALLERGIC REACTIONS,
WATER RETENTION, AND INTOXICATION WITH CONVULSIONS, COMA, AND DEATH.
THE TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY

CONTINUED ON NEXT PAGE

1707



SIGMA-ALDRICH

SIGMA CHEMICAL COMPANY
POST OFFICE BOX 14508
SAINT LOUIS, MISSOURI 63178, USA

CUST#: 2-055-60420
PO#: 1PHR102355

M A T E R I A L S A F E T Y D A T A S H E E T PAGE 3

CATALOG #: 03251
NAME: OXYTOCIN LYOPHILIZED POWDER APPROX.
50 I.U. PER MG

INVESTIGATED.

CHRONIC EFFECTS
MAY CAUSE REPRODUCTIVE DISORDERS.

RTECS #: RS7534000
OXYTOCIN

TOXICITY DATA

ORL-RAT LD50:>20520 UG/KG	NIIRDN - ,230,1990
SCU-RAT LD50:>20520 UG/KG	NIIRDN - ,230,1990
IVN-RAT LD50:2275 UG/KG	NIIRDN - ,230,1990
ORL-MUS LD50:>514 MG/KG	NIIRDN - ,230,1990
SCU-MUS LD50:>514 MG/KG	NIIRDN - ,230,1990
IVN-MUS LD50:5800 UG/KG	NIIRDN 6,151,1982

TARGET ORGAN DATA

- MATERNAL EFFECTS (UTERUS, CERVIX, VAGINA)
 - MATERNAL EFFECTS (MENSTRUAL CYCLE CHANGES OR DISORDERS)
 - MATERNAL EFFECTS (PARTURITION)
 - MATERNAL EFFECTS (POSTPARTUM)
 - MATERNAL EFFECTS (OTHER EFFECTS ON FEMALE)
 - EFFECTS ON FERTILITY (MATING PERFORMANCE)
 - EFFECTS ON FERTILITY (POST-IMPLANTATION MORTALITY)
 - EFFECTS ON FERTILITY (ABORTION)
 - EFFECTS ON EMBRYO OR FETUS (OTHER EFFECTS TO EMBRYO OR FETUS)
 - SPECIFIC DEVELOPMENTAL ABNORMALITIES (BLOOD AND LYMPHATIC SYSTEMS)
 - EFFECTS ON NEWBORN (LIVE BIRTH INDEX)
 - EFFECTS ON NEWBORN (OTHER NEONATAL MEASURES OR EFFECTS)
 - EFFECTS ON NEWBORN (GROWTH STATISTICS)
 - EFFECTS ON NEWBORN (PHYSICAL)
- 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 - - - - -

EUROPEAN INFORMATION

CONTINUED ON NEXT PAGE

1708

We are committed to the success of our customers through science, technology and service.



SIGMA-ALDRICH
RESEARCH

SIGMA CHEMICAL COMPANY
POST OFFICE BOX 14508
SAINT LOUIS, MISSOURI 63178, USA

CUST#: 2-055-60420
PO#: 1PHR102355

M A T E R I A L S A F E T Y D A T A S H E E T PAGE 4

CATALOG #: O3251
NAME: OXYTOCIN LYOPHILIZED POWDER APPROX.
50 I.U. PER MG

HARMFUL
R 20
HARMFUL BY INHALATION.
S 45
IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE
IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).
S 36/37/39
WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE
PROTECTION.

REVIEWS, STANDARDS, AND REGULATIONS

OEL=MAK
NOES 1983: HZD X3710; NIS 1; TNF 113; NOS 3; TNE 2515; TFE 1568

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

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO
BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. SIGMA SHALL NOT BE
HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH
THE ABOVE PRODUCT. SEE REVERSE SIDE OF INVOICE OR PACKING SLIP FOR
ADDITIONAL TERMS AND CONDITIONS OF SALE.

COPYRIGHT 1997 SIGMA CHEMICAL CO.
LICENSE GRANTED TO MAKE UNLIMITED PAPER COPIES FOR INTERNAL USE ONLY.

MATERIAL WAS SHIPPED TO THIS ADDRESS:
UNIV OF NEVADA RENO
ATTN JULIE SATTERWHITE
PHARMACOLOGY
216 HOWARD BLDG
RENO NV 89557