

MATERIAL SAFETY DATA SHEET



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

CATALOG#: IB02180
NAME: STREPTOMYCIN SULFATE
CAS#: 3810-74-0

SECTION 2. ----- HAZARDS IDENTIFICATION -----
LABEL PRECAUTIONARY STATEMENTS

TOXIC

MAY CAUSE HARM TO THE UNBORN CHILD.

SENSITIZER

HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.

TARGET ORGAN(S):

EARS

KIDNEYS

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.

DO NOT BREATHE DUST

HMS: NFPA:

H: 3 H: 2

F: 1 F: 0

R: 1 R: 0

PE: I SH: N/A

SECTION 3. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

MF: $(C_{21}H_{39}N_7O_{12})_2 \cdot 3H_2SO_4$

EC NO: 223-286-0

SYNONYMS

AGRIMYCIN * AGRISTREP * AS-15 * PHYTOMYCIN * PLANTOMYCIN * STREPCIN *
STREP-GRAN * STREPSULFAT * STREPTOMYCIN SESQUISULFATE * STREPTOMYCIN
SULFATE * STREPTOMYCIN SULPHATE B.P * STREPTOREX * STREPVET * VETSTREP *

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

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS
AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED
CLOTHING AND SHOES.

IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL
RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
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 PREVENT CONTACT WITH SKIN AND EYES.

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

EVACUATE AREA.

WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, BOOTS AND HEAVY 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-----

LIGHT, HEAT AND MOISTURE SENSITIVE.

STORE AT +4°C.

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

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

CHEMICAL FUME HOOD RECOMMENDED.

SAFETY SHOWER AND EYE BATH.

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

APPEARANCE

POWDER

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.

INCOMPATIBILITIES:

LIGHT

HEAT

MOISTURE

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

ACUTE EFFECTS

HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN.

PROLONGED OR REPEATED EXPOSURE MAY CAUSE ALLERGIC REACTIONS IN CERTAIN SENSITIVE INDIVIDUALS.

CAUSES EYE AND SKIN IRRITATION.

MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.

AMINOGLYCOSIDES ARE ASSOCIATED WITH SIGNIFICANT NEPHROTOXICITY AND/OR OTOTOXICITY.

CHRONIC EFFECTS

MAY CAUSE CONGENITAL MALFORMATION IN THE FETUS.

TARGET ORGAN(S):

EARS

KIDNEYS

RTECS #: WK4990000

STREPTOMYCIN, SULFATE (2:3) (SALT)

TOXICITY DATA

SCU-RAT LD50:600 MG/KG	ARZNAD 12,597,62
ORL-MUS LD50:500 MG/KG	ANTCAO 1,49,51
SCU-MUS LD50:403 MG/KG	ABANAE 4,574,56/57
IVN-MUS LD50:90200 UG/KG	ANTBAL 18,444,73
ORL-HAM LD50:400 MG/KG	TXAPA9 14,510,69

TARGET ORGAN DATA

PERIPHERAL NERVE AND SENSATION (FLACCID PARALYSIS WITHOUT ANESTHESIA)
 BEHAVIORAL (SOMNOLENCE)
 BEHAVIORAL (FOOD INTAKE)
 BEHAVIORAL (CHANGE IN MOTOR ACTIVITY)
 BEHAVIORAL (ATAXIA)
 LUNGS, THORAX OR RESPIRATION (OTHER CHANGES)
 GASTROINTESTINAL (HYPERMOTILITY, DIARRHEA)
 EFFECTS ON EMBRYO OR FETUS (FETAL DEATH)
 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

OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. TRANSPORT INFORMATION

NOT REGULATED.

SECTION 15. REGULATORY INFORMATION

EUROPEAN INFORMATION

TOXIC BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.



Toxic (T)

R: 23/24/25

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.



Irritant (Xi)

R: 36/37/38

MAY IMPAIR FERTILITY. MAY CAUSE HARM TO THE UNBORN CHILD.

R 60/61

MAY CAUSE SENSITIZATION BY INHALATION. MAY CAUSE SENSITIZATION BY SKIN CONTACT.

R 42/43

WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.

S 36/37/39

REVIEWS, STANDARDS, AND REGULATIONS

OEL=MAK

EPA FIFRA 1988 PESTICIDE SUBJECT TO REGISTRATION OR RE-REGISTRATION

FEREAC 54,7740,89

NOHS 1974: HZD 83938; NIS 2; TNF 104; NOS 3; TNE 819

NOES 1983: HZD 83938; NIS 3; TNF 296; NOS 8; TNE 4472; TFE 2183

EPA GENETOX PROGRAM 1988, INCONCLUSIVE: D MELANOGASTER

SEX-LINKED LETHAL

EPA TSCA SECTION 8(B) CHEMICAL INVENTORY

U.S. INFORMATION

CALIFORNIA PROPOSITION 65:

THIS PRODUCT IS OR CONTAINS CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE DEVELOPMENTAL TOXICITY.

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

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