

TEKNOVA, INC  
2290 BERT DR, HOLLISTER, CA 95023  
831 637 1100, FAX 831 637 2355

CATALOG NUMBER:           **G3625**  
PRODUCT NAME:           **GENTAMYCIN SULFATE**

THIS PRODUCT CONTAINS: **GENTAMYCIN SULFATE**

**GENTAMYCIN SULFATE**

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

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

CATALOG #:    G3601, G3610, G3620  
NAME:           GENTAMYCIN SULFATE

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

CAS #: 1405-41-0  
EC NO: 215-778-9

SYNONYMS

GARAMYCIN \* GENOPTIC \* GENOPTIC S.O.P. \* GENTALLINE \* GENTAMYCIN  
SULFATE \* GM SULFATE \* NSC-82261 \* REFOBACIN \* SCH 9724 \*

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

LABEL PRECAUTIONARY STATEMENTS

HARMFUL

MAY CAUSE SENSITIZATION BY INHALATION AND SKIN CONTACT.

CALIF. PROP. 65 REPRODUCTIVE HAZARD.

PHOTOSENSITIZER.

TARGET ORGAN(S):

EARS

KIDNEYS

SENSITIZER.

DO NOT BREATHE DUST.

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.

IF INHALED, REMOVE TO FRESH AIR. IF BREATHING BECOMES DIFFICULT,

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.

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

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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.  
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-----  
MECHANICAL EXHAUST REQUIRED.  
WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT  
GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.  
AVOID BREATHING DUST.  
AVOID CONTACT WITH EYES, SKIN AND CLOTHING.  
AVOID PROLONGED OR REPEATED EXPOSURE.  
KEEP TIGHTLY CLOSED.  
STORE IN A COOL DRY PLACE.

SECTION 9. ----- PHYSICAL AND CHEMICAL PROPERTIES -----  
PHYSICAL PROPERTIES  
SPECIFIC GRAVITY: 1 G/C

SECTION 10. ----- STABILITY AND REACTIVITY -----  
STABILITY  
STABLE.  
INCOMPATIBILITIES  
OXIDIZING AGENTS  
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS  
CARBON MONOXIDE, CARBON DIOXIDE  
HAZARDOUS POLYMERIZATION  
WILL NOT OCCUR.

SECTION 11. ----- TOXICOLOGICAL INFORMATION -----  
ACUTE EFFECTS  
MAY CAUSE SKIN IRRITATION.  
MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN.  
MAY CAUSE EYE IRRITATION.  
MAY BE HARMFUL IF INHALED.  
MATERIAL MAY BE IRRITATING TO MUCOUS MEMBRANES AND UPPER  
RESPIRATORY TRACT.  
MAY BE HARMFUL IF SWALLOWED.  
MAY CAUSE ALLERGIC RESPIRATORY AND SKIN REACTIONS.  
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND  
TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

CHRONIC EFFECTS  
TARGET ORGAN(S):  
AMINOGLYCOSIDES ARE ASSOCIATED WITH SIGNIFICANT NEPHROTOXICITY AND/OR  
OTOTOXICITY.  
EARS

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KIDNEYS

NERVES

RTECS #: LY2625000

GENTAMICIN, SULFATE

TOXICITY DATA

ORL-RAT LD50:>5 GM/KG	JZKEDZ 8,219,1982
IPR-RAT LD50:630 MG/KG	JJANAX 26,221,1973
SCU-RAT LD50:873 MG(BASE)/KG	ANKHEW 35(9),26,1990
IVN-RAT LD50:96 MG/KG	JZKEDZ 8,219,1982
IMS-RAT LD50:384 MG/KG	TXAPA9 18,185,1971
ORL-MUS LD50:>11269 MG/KG	NIIRDN 6,268,1982
IPR-MUS LD50:245 MG/KG	JZKEDZ 8,219,1982
SCU-MUS LD50:478 MG/KG	JANTAJ 23,551,1970
IVN-MUS LD50:47 MG/KG	JJANAX 39,3164,1986
IMS-MUS LD50:250 MG/KG	JZKEDZ 8,219,1982
ICE-MUS LD50:17300 UG/KG	NKRZAZ 15,483,1967
SCU-GPG LD50:600 MG/KG	NKRZAZ 16,105,1968

TARGET ORGAN DATA

PERIPHERAL NERVE AND SENSATION (SENSORY CHANGE INVOLVING PERIPHERAL NERVE

SENSE ORGANS AND SPECIAL SENSES (PTOSIS)

BEHAVIORAL (ALTERED SLEEP TIME)

BEHAVIORAL (SOMNOLENCE)

BEHAVIORAL (CONVULSIONS OR EFFECT ON SEIZURE THRESHOLD)

BEHAVIORAL (MUSCLE CONTRACTION OR SPASTICITY)

LUNGS, THORAX OR RESPIRATION (DYSPPNAE)

LUNGS, THORAX OR RESPIRATION (RESPIRATORY STIMULATION)

LUNGS, THORAX OR RESPIRATION (OTHER CHANGES)

SPECIFIC DEVELOPMENTAL ABNORMALITIES (CARDIOVASCULAR SYSTEM)

SPECIFIC DEVELOPMENTAL ABNORMALITIES (UROGENITAL SYSTEM)

EFFECTS ON NEWBORN (GROWTH STATISTICS)

EFFECTS ON NEWBORN (BIOCHEMICAL AND METABOLIC)

NUTRITIONAL AND GROSS METABOLIC (CHANGES IN: OTHER METALS)

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 -----

CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF THIS MATERIAL.

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 -----

NOT REGULATED.

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

EUROPEAN INFORMATION

HARMFUL

R 42/43

MAY CAUSE SENSITIZATION BY INHALATION AND SKIN CONTACT.

S 22

DO NOT BREATHE DUST.

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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 X3126; NIS 7; TNF 2125; NOS 22; TNE 46715; TFE 34072

U.S. INFORMATION

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

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. TEKNOVA, INC. SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT.