



MATERIAL SAFETY DATASHEET

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

CATALOG #: ECM0010D

NAME: ANTIBIOTIC/ANTIMYCOTIC SOLUTION 100X LIQUID

PRODUCER: EUROCLONE S.p.A.

Life Sciences Division:
Via Figino, 20/22 – 20016 Pero (MI) – Italy
Tel. ++39-02-38195334 – Fax ++39-02-38195248
www.euroclone.net

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

Component	CAS n°.	EINECS	HAZARD SYMBOL	RISK SENTENCES	SAFETY PHRASES
SODIUM CHLORIDE	7647-14-5	231-598-3	NONE LISTED	NONE LISTED	S 24/25
AMPHOTERICIN B	1397-89-3	215-742-2	NONE LISTED	R38-41	S22-26-36
PENICILLIN G	69-57-8	200-710-2	HARMFUL	R42/43	S22-36/37
STREPTOMYCIN SULFATE	3810-74-0	223-286-0	TOXIC	R22-61	S22-36/37/38-45

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

THRESHOLD LIMIT VALUES: NOT AVAILABLE

EYES: TOXIC. MAY CAUSE EYES IRRITATION/SENSITISATION. MAY CAUSE SYSTEMIC POISONING.

SKIN: TOXIC. MAY CAUSE IRRITATION/SENSITISATION. MAY CAUSE SYSTEMIC POISONING.

INGESTION: TOXIC. NAUSEA, VOMITING, HEADACHE. INGESTION OF VERY LARGE AMOUNTS MAY CAUSE GASTROINTESTINAL IRRITATION. PENICILLIN MAY CAUSE AN ALLERGIC REACTION IF TAKEN ORALLY. MAY CAUSE SYSTEMIC POISONING.

INHALATION: TOXIC. NAUSEA, VOMITING, HEADACHE. INHALATION MAY CAUSE IRRITATION TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. MAY CAUSE SYSTEMIC POISONING. EXPOSURE TO STREPTOMYCIN SULFATE MAY CAUSE ALLERGIC REACTIONS IN SENSITIVE INDIVIDUALS.

TARGET ORGANS: EARS, KIDNEYS, RESPIRATORY SYSTEM, GASTROINTESTINAL SYSTEM, AND NERVOUS SYSTEM

MEDICAL CONDITIONS AGGRAVED BY EXPOSURE: HYPERSENSITIVITY REACTIONS MAY REQUIRE OXYGEN , INTRAVENOUS STEROIDS AND AIRWAY MANAGEMENT.

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

EYES: FIRST CHECK THE VICTIM FOR CONTACT LENSES AND REMOVE IF PRESENT. IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL AID (SHOW LABEL WHENEVER POSSIBLE).

SKIN: REMOVE CONTAMINATED CLOTHING AND SHOES. IMMEDIATELY, RINSE SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL AID (SHOW LABEL WHENEVER POSSIBLE).

INHALATION: IF INHALED, REMOVE TO FRESH AIR.

IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CONTACT A PHYSICIAN (SHOW LABEL WHENEVER POSSIBLE). IF SYMPTOMS (SUCH AS WHEEZING, COUGHING, SHORTNESS OF BREATH, OR BURNING IN THE MOUTH, THROAT OR CHEST) DEVELOP, CALL A PHYSICIAN.

INGESTION: GET MEDICAL AID. DO NOT INDUCE VOMITING. IF THE VICTIM IS CONSCIOUS AND NOT CONVULSING, GIVE 1 OR 2 GLASSES OF WATER TO DILUTE THE CHEMICAL AND IMMEDIATELY CALL A HOSPITAL OR POISON CONTROL CENTER. IF THE VICTIM IS CONVULSING OR UNCONSCIOUS, DO NOT GIVE ANYTHING BY MOUTH, ENSURE THAT THE VICTIM'S AIRWAY IS OPEN AND LAY THE VICTIM ON HIS/HER SIDE WITH THE HEAD LOWER THAN THE BODY. DO NOT INDUCE VOMITING. IMMEDIATELY TRANSPORT THE VICTIM TO A HOSPITAL.

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

GENERAL INFORMATION: AS IN ANY FIRE, WEAR A SELF-CONTAINED BREATHING APPARATUS IN PRESSURE-DEMAND, MSHA/NIOSH (APPROVED OR EQUIVALENT), AND FULL PROTECTIVE GEAR. DURING A FIRE, IRRITATING AND HIGHLY TOXIC GASES MAY BE GENERATED BY THERMAL DECOMPOSITION OR COMBUSTION.

EXTINGUISHING MEDIA: USE AGENT MOST APPROPRIATE TO EXTINGUISH FIRE. USE WATER SPRAY, CARBON DIOXYDE, DRY CHEMICAL POWDER, ALCOHOL FOAM, OR OTHER APPROPRIATE FORM FOR EXTINGUISHING THE MATERIAL SUPPORTING THE FIRE.

FLASH POINT (METHOD USED): WILL NOT SUPPORT COMBUSTION. FLASHPOINT EXPECTED TO BE GREATER THAN 140°C. WILL DECOMPOSE BEFORE REACHING FLASHPOINT UPON HEATING.

EXPLOSION LIMITS LOWER: NOT AVAILABLE

EXPLOSION LIMITS UPPER: NOT AVAILABLE

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

GENERAL INFORMATION: USE PROPER PERSONAL PROTECTIVE EQUIPMENT AS INDICATED IN SECTION 8.

SPILLS/LEAKS: DISSOLVE OR MIX WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER. OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATION FOR WASTE DISPOSAL.

SECTION 7. ----- HANDLING AND STORAGE -----

STORAGE: STORE AT -20°C. PROTECT FROM LIGHT.

INTENDED USE: FOR CELL CULTURE / *IN VITRO* LABORATORY USE ONLY, NOT FOR DRUG, HUMAN OR VETERINARY USE.

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

ENGINEERING CONTROLS: FACILITIES STORING OR UTILISING THIS MATERIAL SHOULD BE EQUIPPED WITH AN EYEWASH FACILITY AND A SAFETY SHOWER.

EXPOSURE LIMITS: NOT AVAILABLE

PERSONAL PROTECTIVE EQUIPMENT: SAFETY GOGGLES. NIOSH/MSHA APPROVED RESPIRATORY PROTECTION. CHEMICAL-RESISTANT GLOVES. PROTECTIVE CLOTHING RECOMMENDED. MECHANICAL (GENERAL) EXHAUST. SAFETY SHOWER AND EYE BATH. KEEP CONTAINER TIGHTLY CLOSED. AVOID INGESTION AND INHALATION.

GENERAL PRECAUTIONS: USE LABORATORY PRECAUTIONS AND PRACTICES. WASH HANDS THOROUGHLY AFTER HANDLING. AVOID PROLONGED OR REPEATED EXPOSURE. KEEP TIGHTLY CLOSED. STORE IN A COOL DRY, WELL VENTILATE AREA.

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

APPEARANCE:	CLEAR YELLOW SOLUTION
pH:	4.5-9.5
BOILING POINT:	WILL DECOMPOSE BEFORE REACHING BOILING POINT
VAPOR PRESSURE:	NOT AVAILABLE
VAPOR DENSITY:	NOT AVAILABLE
EVAPORATION RATE:	VOLATILITY VERY LOW AT ROOM TEMPERATURE
STERILITY IN WATER:	HIGH
FREEZING/MELTING POINT:	NOT AVAILABLE
DECOMPOSITION TEMPERATURE:	NOT AVAILABLE
SPECIFIC GRAVITY/DENSITY:	NOT AVAILABLE

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

CHEMICAL STABILITY: STABLE UNDER NORMAL TEMPERATURES AND PRESSURES

CONDITIONS TO AVOID: NOT AVAILABLE

INCOMPATIBILITIES (MATERIALS TO AVOID): STRONG BASES, STRONG OXIDIZING AGENTS, HEAVY METAL SALTS, GLYCEROL, ALCOHOL. CONCENTRATED SODIUM HYDROXIDE.

HAZARDOUS DECOMPOSITION: MAY EMIT TOXIC FUMES OF CARBON MONOXIDE, CARBON DIOXIDE AND NITROGEN OXIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

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

MUTAGEN

TERATOGEN

POSSIBLE CARCINOGEN: STREPTOMYCIN SULFATE MAY CAUSE CONGENITAL MALFORMATION OF THE FETUS. AMINOGLYCOSIDES ARE ASSOCIATED WITH SIGNIFICANT NEPHROTOXICITY AND OTOTOXICITY.

SECTION 12. ----- ECOLOGICAL INFORMATION -----

ENVIRONMENTAL FATE: NOT FOUND

ENVIRONMENTAL TOXICITY: NOT FOUND

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


CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF THIS MATERIAL. OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

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

NO INFORMATION FOUND

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

LABELLING ACCORDING TO EC DIRECTIVES

SYMBOL:		TOXIC
R-PHRASES:	61	MAY CAUSE HARM TO THE UNBORN CHILD
S-PHRASES:	36/37/39 45	WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVISE IMMEDIATELY (SHOW LABEL WHERE POSSIBLE)

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

GENERAL UPDATE.

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. EUROCLONE S.p.A. 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.

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Tel. ++39-02-38195334 – Fax ++39-02-38195248
E-mail: info@euroclone.net
www.euroclone.net

International Marketing:
Via Balestra, 12 – CH-6901 Lugano – Switzerland
Tel. ++41-91-9232505 – Fax ++41-91-9116851
E-mail: marketing@euroclone.net
www.euroclone.net