



IBI SCIENTIFIC

9861 Kapp Court ■ Peosta, IA 52068

Tele: (563) 690-0484 ■ 1-800-253-4942

Fax: (563) 690-0490 ■ **E-Mail:** info@ibisci.com

Web: www.ibisci.com

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Rev. 3

1. IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND THE COMPANY/UNDERTAKING

Product Name: Tetracycline Hydrochloride

Product Code: IB02200

Recommend Use: For further manufacturing use only
Not for human or animal drug use
Antibiotic/antimycotic for cell culture, blocks the binding of tRNA to the 30S subunit

Synonyms: ACHROMYCIN HYDROCHLORIDE * ALA TET * AMYCIN, HYDROCHLORIDE *
ARTOMYCIN * BRISTACYCLINE * CANCYCLINE-250 * CEFACYCLINE
TABLETS * CHLORHYDRATE DE TETRACYCLINE (FRENCH) *
CHLOROWODORKU TETRACYKLINY (POLISH) * CYCLOPAR * DIACYCLINE *
DUMOCYCLIN * HOSTACYCLINE * MEDAMYCIN * MEPHACYCLIN *
NCI-C55561 * NEOCYCLINE B * PALTET * PANMYCIN HYDROCHLORIDE *
PARTREX * PIRACAPS * POLYCYCLINE HYDROCHLORIDE * POLYOTIC
OINTMENT * QIDTET * QUADRACYCLINE * QUATREX * REMICYCLIN *
RICYCLINE * RO-CYCLINE * SANCLOMYCINE * SANCLOMYCINE * STECLIN
* STILCICLINA * SUBAMYCIN * SUMYCIN * SUPRAMYCIN * TEFILIN *
TELIN * TELOTREX * TET-CY * TETRABAKAT * TETRABID * TETRABLET *
TETRACAPS * TETRACHEL * TETRACICLINA CLORIDRATO (ITALIAN) *
TETRACOMPREN * TETRACYCLINE CHLOROXYDRATE *
TETRACYCLINEHYDROCHLORIDE * TETRA-D * TETRAKAP * TETRALUTION
* TETRAMAVAN * TETRA-WEDEL * TETROSOL * TOPICYCLINE *
TRIPHACYCLIN * U-5965 * UNICIN * UNIMYCIN * VETQUAMYCIN-324 *

Company: IBI SCIENTIFIC
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Emergency Tele. Number: 3E Company (Acct# 9027) 1-800-451-8346 / (001) 760-602-8703

Company Tele. Number: 1-800-253-4942 / (001) 563-690-0484

E-Mail Address: info@ibisci.com

2. HAZARDOUS IDENTIFICATION

GHS – Classification

Classification: Skin Irritant 2 Eye Irritant 2 Germ Cell Mutagenicity 1B Toxic to Reproduction 1B
Respiratory Sensitizer 1 Skin Sensitizer 1 Acute Toxicity Oral 3

Signal Word: Danger



Hazard Statements:	H315-Causes skin irritation * H319-Causes serious eye irritation * H335-May cause respiratory irritation * H340-May cause genetic defects * H317-May cause an allergic skin reaction * H334-May cause allergy or asthma symptoms or breathing difficulties if inhaled * H301-Toxic if swallowed
Precautionary Statements:	P264-Wash hands thoroughly after handling * P280-Wear protective gloves/protective clothing/eye protection/face protection/ * P201-Obtain special instructions before use * P202-Do not handle until all safety precautions have been read and understood * P271-Use only outdoors or in a well-ventilated area * P262-Do not get in eyes, on skin, or on clothing * P270-Do not eat, drink, or smoke when using this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name:	Tetracycline Hydrochloride
EC No.:	EEC No. 200-593-8
REACH Reg. No.:	Not Available
CAS No.:	64-75-5
Weight %:	95 – 100
Classification:	-

4. FIRST AID MEASURES

Eye Contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin Contact:	Wash off immediately with soap and plenty of water, removing all contaminated clothes and shoes.
Inhalation:	Move to fresh air. If breathing is difficult, give oxygen.
Ingestion:	Clean mouth with water and afterwards drink plenty of water.
Notes to Physician:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammable Properties:	Not flammable
Flash Point:	Not determined
Suitable Extinguishing Media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Hazardous Combustion Products:	Carbon oxides, Nitrogen oxides (NOx), Hydrogen chloride gas
Explosion Data	
Sensitivity to Mechanical Impact:	Not sensitive
Sensitivity to Static Discharge:	Not sensitive
Protective Equip. & Precautions for Firefighters:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equiv.) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid contact with skin, eyes, and clothing. Use personal protective equipment. Ensure adequate ventilation.
Methods for Containment:	Prevent further leakage or spillage, if safe to do so.
Methods for Cleaning Up:	Avoid dust formation. Pick up and transfer to properly labeled containers. Ventilate area and wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

Handling:	Handle in accordance with good industrial hygiene and safety practice. Light Sensitive.
Storage:	Keep container tightly closed in a dry and well ventilated place. Protect from light.
Incompatible Products:	Strong oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name:	Tetracycline Hydrochloride - #64-75-5
ACGIH TLV:	-
OSHA PEL:	-
NIOSH IDLH:	-
Engineering Measures:	Showers, Eyewash Stations, Ventilation Systems
Personal Protective Equipment	
Eye/Face Protection:	Tightly fitting safety goggles.
Skin & Body Protection:	Wear protective gloves/clothing.
Respiratory Protection:	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Hygiene Measures:	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Yellow powder
Odor:	No information available
Odor Threshold:	No information available
Decomposition Temp. °C:	No information available
Freezing Point:	No information available
Initial Boiling Point:	No information available
Physical State:	Powder
pH:	No data available
Flash Point:	Not determined
Autoignition Temp. °C:	No data available
Boiling Point/Range:	No data available
Melting Point/Range:	214°C
Flammability Limits (Air):	<u>Upper</u> -No data available * <u>Lower</u> -No data available
Explosive Properties:	No information available
Oxidizing Properties:	No information available
Evaporation Rate:	No information available
MMHG @ 37.8°C:	No data available
Vapor Density:	No data available
Specific Gravity:	No information available
Density:	No information available
Solubility:	No information available
Water Solubility:	No information available
Partition Coefficient (n-octanol/water):	No data available
Viscosity:	No information available

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions
Incompatible Products:	Strong oxidizing agents
Conditions to Avoid:	Exposure to light
Hazardous Decomposition Products:	Carbon oxides, Nitrogen oxides (NO _x), Hydrogen chloride gas.
Hazardous Polymerization:	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information: Toxic by inhalation and if swallowed. Causes skin, eye, and respiratory tract irritation. Sensitizer.

Chemical Name: Tetracycline Hydrochloride - #64-75-5

LD50 Oral: 6443mg/kg (Rat)

LD50 Dermal: -

LC50 Inhalation: -

Chronic Toxicity

Chronic Toxicity: Suspected teratogen

Target Organ Effects: Liver, Teeth

12. ECOLOGICAL INFORMATION

Ecotoxicity: The environmental impact of this product has not been fully investigated.

13. DISPOSAL CONSIDERATIONS

Water Disposal Method: Dispose of material in accordance with all federal, state, and local regulations.

Contaminated Packaging: Dispose of in accordance with all federal, state, and local regulations.

14. TRANSPORT INFORMATION

IATA

Not regulated

US DOT

Not regulated

15. TOXICOLOGICAL INFORMATION

REACH Title VII Restrictions

Chemical Name:	No information available
Dangerous Substances:	Tetracycline Hydrochloride - #64-75-5
Organic Solvents:	Not applicable
Harmful Substances Whose Names are to be indicated on the Label:	Not applicable
Pollution Release and Transfer Registry (Class II):	Not applicable
Pollution Release and Transfer Registry (Class I):	Not applicable
Poison and Deleterious Substances Control Law:	Not applicable
ISHA – Harmful Substances Prohibited for Manufacturing, Importing, Transferring, or Supplying:	Not applicable
ISHA – Harmful Substances Requiring Permission:	Not applicable
Toxic Chemical Classification Listing (TCCL):	Not applicable
Toxic Release Inventory (TRI) – Group I:	Not applicable
Toxic Release Inventory (TRI) – Group II:	Not applicable

International Inventories

TSCA:	Complies	No information available
EINECS/ELINCS:	Complies	
ENCS:	Does not Comply	
IECSC:	Complies	
KECL	Complies	
PICCS	Does not Comply	
AICS	Complies	

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical/chemicals which are subject to the reporting requirements of the Act & Title 40 of the Code of Federal Regulations, part 372.

Chemical Name: Tetracycline Hydrochloride - #64-75-5
Weight (%): 95 – 100
SARA 313 – Threshold (%): 1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Clean Air Act

Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61). This product does not contain any substances which are listed hazardous air pollutants (HAPs) under Section 112 of the Clean Air Act.

CERCLA

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical Name: Tetracycline Hydrochloride - #64-75-5
California Prop. 65: Developmental

International Regulations

Mexico

No information available

Canada

No information available

WHMIS Hazard Class

D2A – Very toxic materials

D2B – Toxic materials



16. OTHER INFORMATION

Issuing Date: 07-Sept-2001

Revision Date: 09-Jan-2012

Revision Note: Update to GHS Standard

Recommended Restrictions: No information available

Disclaimer: The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release; and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the test.

End of MSDS