



MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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MSDS No. TT 70
Effective Date June 4, 1998

SECTION V HEALTH HAZARD DATA

TT 70

Threshold Limited Value RTECS No. QI9100000 Toxicity data: Orl-rat LD50: 6443 mg/kg.
Ipr-rat LDLo: 320 mg/kg.

Effects of Overexposure Direct contact with material may cause mild eye and skin irritation. Inhalation of dust may cause respiratory tract irritation. Ingestion may cause gastrointestinal irritation. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

SKIN: Flush thoroughly with water, then wash with mild soap and water.
EYES: Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink. Call physician immediately. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Excessive temperature. Light sensitive.
	Stable	X		

Incompatibility (Materials to Avoid) Strong oxidizers.

Hazardous Decomposition Products Thermal decomposition produces carbon dioxide, carbon monoxide and oxides of nitrogen.

Hazardous Polymerization	Conditions to Avoid		Not applicable.
	May Occur	Will Not Occur	
		X	

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled Avoid dispersion of dust in air. Sweep up, then place in suitable container for proper disposal. Flush area with plenty of soap and water.

Waste Disposal Method Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only. Dispose of in accordance with federal, state and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) None needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH-approved respirator.

Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves Rubber. **Eye Protection** Chemical safety glasses.

Other Protective Equipment Lab coat, apron, eye wash station, proper gloves, ventilation hood.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool place. Wash thoroughly after handling. Keep container tightly closed when not in use.

Other Precautions Read label on container before using. Do not wear contact lenses when working with chemicals. Do not take internally. Avoid contact with eyes, skin and clothing. Use with adequate ventilation. Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision No. 2	Date 6/4/98	Approved Michael Raszeja	Chemical Safety Coordinator MR
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The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials Industrial Standards. Printed on recycled paper.

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	TETRACYCLINE HYDROCHLORIDE	<p>CHEMTREC 800-424-9300 Day 716-226-6177</p> <p>NFPA HAZARD RATING</p> <table border="1"> <tr> <td>LEAST</td> <td>SLIGHT</td> <td>MODERATE</td> <td>HIGH</td> <td>EXTREME</td> </tr> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> </table> <p>HMIS *</p> <table border="1"> <tr> <td>Health</td> <td>1</td> </tr> <tr> <td>Fire</td> <td>0</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> </table>	LEAST	SLIGHT	MODERATE	HIGH	EXTREME	0	1	2	3	4	Health	1	Fire	0	Reactivity	0
LEAST	SLIGHT		MODERATE	HIGH	EXTREME													
0	1		2	3	4													
Health	1																	
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Chemical Synonyms	Tetracycline Hydrochloride																	
Formula	C ₂₂ H ₂₄ N ₂ O ₈ + HCl																	
Unit Size	up to 2.5 Kg.																	
C.A.S. No.	64-75-5																	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Tetracycline Hydrochloride	100%	TWA/ceiling 5 mg/m ³

CAUTION! MAY BE HARMFUL IF SWALLOWED OR

INHALED. MAY CAUSE EYE AND SKIN IRRITATION.

SECTION III PHYSICAL DATA

Melting Point (°F)	214°C (417°F)	Specific Gravity (H₂O = 1)	0.72
Boiling Point (°F)	Not applicable.	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	Not applicable.	Evaporation Rate (Water = 1)	Not applicable.
Vapor Density (Air=1)	Not applicable.		
Solubility in Water	Soluble		
Appearance & Odor	Yellow crystalline powder; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable.	Flammable Limits in Air % by Volume	NA	Lower	Upper
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Extinguisher Media Use any media suitable for extinguishing supporting fire.

SPECIAL FIREFIGHTING PROCEDURES

If involved in fire situation, wear a NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS

As with many solids, any dust that is generated may be explosive if mixed with air in critical proportions and in the presence of a source of ignition.

D.O.T. NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20