

Safety Data Sheet


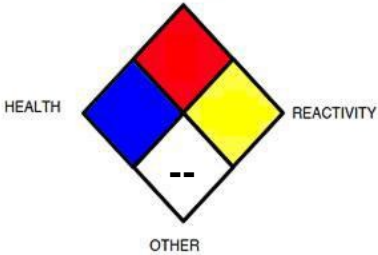
Section 1: Product & Company Identification

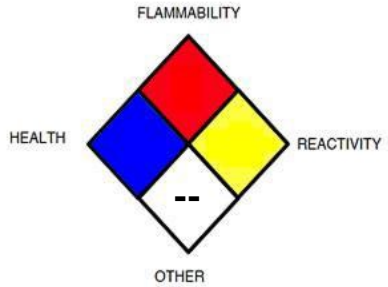
Product Name:	Minocycline
Product #:	M-2597
Synonyms:	7-Dimethylamino-6-demethyl-6-deoxytetracycline, CL 59806, Minocyclin
Supplier:	AG Scientific Holdings, LLC 9950 Scripps Lake Drive, Suite 104 San Diego, CA 92131 Tele# + 858-452-9925
Emergency Tele#:	ChemTel, Tele# in USA 1-800-255-3924, International 1-813-248-0585

Section 2: Composition / Information on Ingredients

Component	CAS #	EC #	% Composition
Minocycline	10118-90-8	800-277-5	>95

Section 3: Hazards Identification

Symbols	
HMIS Classification	<p style="text-align: center;">FLAMMABILITY</p>  <p style="text-align: center;">HEALTH REACTIVITY</p> <p style="text-align: center;">OTHER</p>

NFPA Classification	
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Section 4: First Aid Measures

General Overview:	Consult a doctor/physician if exposed - additional medical care may be required. Show this safety data sheet to the medical provider.
Inhalation:	If inhaled, move to fresh air. If not breathing, give artificial respiration. Consult a physician.
Skin:	Wash skin thoroughly with soap and water. Remove any contaminated clothing. Consult a physician.
Eyes:	Flush eye with water. After initial flush, remove any contact lenses and continue flushing for at least 15 minutes.
Ingestion:	Rinse mouth with water. Immediately call a doctor, physician, or poison control center. Never give anything by mouth to an unconscious person.
	See section 11 for more detailed information on health effects & symptoms.

SECTION 5: Fire Fighting Measures

Flammability of the product:	No data available
Extinguishing Media:	Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Hazardous thermal (de)composition products:	Carbon and nitrogen oxides
Special Fire Fighting Procedures:	Wear self-contained breathing apparatus if necessary.
Flash Point:	No data available

Section 6: Accidental Release Measures




Personal Precautions:	Consult the safety measures listed in Section 7 and 8. Use personal protective equipment. Avoid breathing dust, vapors, mist or gas. Avoid direct contact with spilled substances. Ensure adequate ventilation. Avoid dust formation. For personal protection see Section 8.
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Environmental Precautions:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods for Clean-up:	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7: Handling & Storage

Storage:	Keep container tightly closed in a dry and well-ventilated place. Protect from humidity. Recommended storage temperature: -20°C
Handling:	Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Avoid contact with skin and eyes.

SECTION 8: Exposure controls / Personal Protection

Respiratory Protection:	 <p>Wear respiratory protection. Use type N95 (US) or type P1 (EN 143) dust masks as a backup to engineering controls. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).</p>
Skin and Body:	  <p>Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal techniques to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.</p> <p>Wear protective clothing. The type of protective equipment must be selected according to the concentration of the dangerous substance at the specific work place.</p>
Eyes:	

	 <p>Wear eye protection. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).</p>
Ventilation/Engineering Measures:	Avoid contact with skin, eyes, and clothing. Wash hands before breaks and immediately after handling this product.
Hygiene:	Handle in accordance with good industrial hygiene and safety practice.
Other:	Contains no substances with occupational exposure limit values.

SECTION 9: Physical and Chemical Properties

Appearance & Odor:	Yellow to orange solid
Formula	$C_{23}H_{27}N_3O_7$
Molecular Wt.	457.5
Melting Pt.	No data available
Boiling Pt.	No data available
Density:	No data available
Vapor Pressure:	No data available
Evaporation Rate:	No data available
Vapor Density:	No data available
Solubility:	Ethanol, Methanol, DMF, DMSO. Limited water solubility.
Flash Point:	No data available
Autoignition Temp:	No data available

SECTION 10: Stability and Reactivity

Stability:	Stable under recommended storage conditions
Hazardous decomposition products:	No data available
Materials to Avoid:	Strong oxidizing agents
Conditions to avoid:	No data available

SECTION 11: Toxicological Information

RTECS#:	QI7630000
ACUTE Toxicity:	Oral LD50 = 3100 mg/kg (mouse) Intraperitoneal LD50 = 310 mg/kg (mouse) Intravenous LD50 = 140 mg/kg (mouse) Oral TDLo = 100 mg/kg (Human woman, toxic effects: kidney, ureter, bladder - interstitial nephritis, proteinuria, hematuria)
CHRONIC Toxicity:	N/A
Chronic Exposure: Carcinogen: Mutagen: Teratogen: Reproductive:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC. AGGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, potential human carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as known or anticipated human carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as known or potential human carcinogen by OSHA. EPA: No classification on carcinogenic data is available from EPA

SECTION 12: Ecological Information

Ecotoxicity:	No data available
Mobility:	No data available
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Other adverse effects:	No data available
Corrosivity Characteristic:	No data available
General Notes:	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

SECTION 13: Disposal Considerations

Residue Waste or Unused product:	Offer surplus and non-recyclable products to a licensed disposal company. 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. Avoid disposal of material in drains or sewers.
Contaminated Packaging:	Dispose of as unused product.

SECTION 14: Transportation Information

UN ID#:	N/A
ADR / RID (LAND):	Not regulated
DOT regulations:	Not regulated
IMDG/IMO (SEA):	Not regulated
IATA/DGR (AIR):	Not regulated
Special Provisions:	N/A

SECTION 15: Regulatory Information

Health Phrases:	Warning! H319 Causes serious eye irritation H361 Suspected of damaging fertility or the unborn child H362 May cause harm to breast-fed children
Risk Phrases:	P264 Wash hands/skin thoroughly after handling P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 IF eye irritation persists: Get medical advice/attention. P201 Obtain special instructions before use P202 Do not handle until all safety precautions have been read and understood P308+P313 IF exposed or concerned: Get medical advice/attention.
Safety Phrases:	P405 Store locked up. P501 Dispose of contents/container in accordance with governmental regulation P260 Do not breathe dust/fumes/gas/mist/vapors/spray. P263 Avoid contact during pregnancy/while nursing P270 Do not eat, drink, or smoke when using this product.
EU Regulations:	N/A
US Regulations:	TSCA: Not listed California Proposition 65: No products were found
U.S. Federal Regulations:	SARA 302/304 emergency planning and notification: No products were found. SARA 311/312 MSDS distribution-chemical inventory-hazard identification: No products were found. SARA 313 toxic chemicals notification and release reporting: No products were found. Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found. Clean Air Act (CAA) 112 accidental release prevention: No products were found.



	Clean Air Act (CAA) 112 regulated flammable substances: No products were found. Clean Air Act (CAA) 112 regulated toxic substances: No products were found. OSHA: No products were found.
WHMIS (Canada):	N/A

SECTION 16: Other Information

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