

Safety Data Sheet

Section 1: Product & Company Identification		
Product Name:	Thiolutin	
Product #:	T-1226	
Synonyms:	Acetopyrrothin; NSC 3927	
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
Thiolutin	87-11-6	635-840-2	≥97

Section 3: Hazards Identification	
Symbols	

	HMIS Ra	ating	
Health Hazard	Chronic Health Hazard	Flammability	Physical Hazard
3	0	0	0

	NFPA Rating	
Health Hazard	Fire Hazard	Reactivity Hazard
4	0	0

Section 4: First Aid Measures	
Immediately remove any clothing soiled by the product. In case of irregular	
breathing or respiratory arrest provide artificial respiration.	
In case of unconsciousness place patient stably in side position for	
transportation.	
Skin: Immediately wash with water and soap and rinse thoroughly.	
-	



Eyes:	Rinse opened eye for several minutes under running water. Then consult a doctor.
Ingestion:	Do not induce vomiting; immediately call for medical help.
	See section 11 for more detailed information on health effects & symptoms.

SECTION 5: Fire Fighting Measures

Flammability of	Product is not flammable
the product:	
Extinguishing	Use firefighting measures that suit the environment. A solid water stream may
Media:	be inefficient.
Hazardous	No data available
thermal	
(de)composition	
products:	
Special Fire	No special measures required.
Fighting	
Procedures:	
Flash Point:	No data available

Section 6: Accidental Release Measures

Personal	Not required.
	Not required.
Precautions:	
Environmental	Do not allow to enter sewers/surface or ground water.
Precautions:	
Methods for	Dispose contaminated material as waste according to Section 13.
Clean-up:	

SECTION 7: Handling & Storage

Storage:	Recommended storage temperature: -20°C
Handling:	Thorough dedusting. No special measures required.

SECTION 8: Exposure controls / Personal Protection

Respiratory Protection:



Not required



Skin and Body:	Protective gloves and lab coat.
Eyes:	Not required.
Ventilation/Engineering Measures:	Ensure adequate ventilation.
Hygiene:	N/A
Other:	Contains no substances with occupational exposure limit values.

SECTION 9: Physical and Chemical Properties		
Appearance & Odor:	Solid, characteristic odor	
Formula	$C_8H_8N_2O_2S_2$	
Molecular Wt.	228.3	
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:	DMF (0.5 mg/mL), DMSO (1 mg/mL), DMSO:PBS(pH 7.2) (1:1) (0.5	
	mg/mL)	
Flash Point:	No data available	
Autoignition	No data available	
Temp:		

SECTION 10: S	: Stability and Reactivity	
Stability:	Stable under recommended storage conditions.	



Hazardous decomposition products:	Carbon dioxide, carbon monoxide, nitrogen oxides, sulfur oxides
Materials to Avoid:	Strong oxidizing agents
Conditions to avoid:	No data available

SECTION 11: Toxicological Information RTECS#: JP1355000 **ACUTE Toxicity:** Oral LD50 = 25 mg/kg (mouse)Subcutaneous LD50 = 25 mg/kg (mouse) **CHRONIC** Toxicity: N/A Chronic Exposure: IARC: No component of this product present at levels greater than or **Carcinogen:** equal to 0.1% is identified as probable, possible, or confirmed human Mutagen: carcinogen by IARC. Teratogen: AGGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, potential human carcinogen by **Reproductive:** 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:	Water hazard class 1 (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.	
Mobility:	No data available	
Persistence and	No data available	
degradability:		
Bioaccumulative	No data available	
potential:		
Other adverse	No data available	
effects:		
Corrosivity	No data available	
Characteristic:		
General Notes:	No data available	

SECTION 13: Disposal Considerations



Residue Waste or	Must not be disposed of together with household garbage. Do not allow
Unused product:	product to reach sewage system.
Contaminated	Disposal must be made according to official regulations.
Packaging:	

SECTION 14: Transportation Information	
UN ID#:	UN2811
ADR / RID (LAND):	N/A
DOT regulations:	Toxic solids, organic, n.o.s. (Thiolutin)
	Class: 6.1 Toxic substances
	Label: 6.1
	Packing Group I
	Quantity Limitations:
	On passenger aircraft/rail: 5 kg
	On cargo aircraft only: 50 kg
IMDG/IMO (SEA):	TOXIC SOLID, ORGANIC, N.O.S. (Thiolutin)
	Class: 6.1 Toxic substances
	Label: 6.1
	Packing Group I
	Limited quantities (LQ): 0
	Excepted quantities (EQ): Code: E5
	Maximum net quantity per inner packaging: 1 g
	Maximum net quantity per outer packaging: 300 g
IATA/DGR (AIR):	Toxic solid, organic, n.o.s. (Thiolutin)
	Class: 6.1 Toxic substances
	Label: 6.1
	Packing Group I
	When sold in quantities of less than or equal to 1 mL, or 1 g, with an Excepted Quantity Code of E1, E2, E4, or E5, this item meets the De Minimis Quantities exemption, per IATA 2.6.10. Therefore packaging does not have to be labeled as Dangerous Goods/Excepted Quantity.
Special Provisions:	Warning: Toxic substances
	Hazard Identification Number (Kemler Code): 66
	EMS Number: F-A,S-A
	Stowage Category: B

SECTION 15: Regulatory Information	
Danger!	
H300 Fatal if swallowed.	
P264 Wash thoroughly after handling.	
P270 Do not eat, drink or smoke when using this product.	
P301+P310 If swallowed: Immediately call a poison center/doctor.	



	P321 Specific treatment (see on this label).
	P330 Rinse mouth.
	P405 Store locked up.
	P501 Dispose of contents/container in accordance with local/regional/
	national/international regulations.
EU Regulations:	N/A
US Regulations:	TSCA: Not listed
	California Proposition 65: No products were found
U.S. Federal	SARA 302/304 emergency planning and notification: No products were
Regulations:	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: Acute Tox. (Cat 2)
WHMIS (Canada):	N/A

SECTION 16: Other Information

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