

Safety Data Sheet


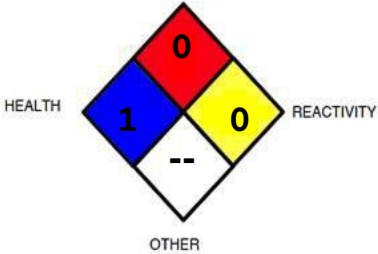
Section 1: Product & Company Identification

Product Name:	Amlexanox
Product #:	A-2431
Synonyms:	2-amino-7-(1-methylethyl)5-oxo-5H-[1]benzopyrano[2,3-b]pyridine-3-carboxylic acid; AA 673; CHX 3673; Elics
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
Amlexanox	68302-57-8	804-135-3	≥ 98

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	 <p>FLAMMABILITY: 0 HEALTH: 0 REACTIVITY: 0 OTHER: --</p>
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Section 4: First Aid Measures

General Overview:	<p>Symptoms of poisoning may even occur after several hours; therefore, medical observation for at least 48 hours after the accident.</p> <p>May cause anemia, cough, CNS depression, drowsiness, headache, heart damage, lassitude (weakness, exhaustion), liver damage, narcosis, reproductive effects, teratogenic effects.</p>
Inhalation:	<p>Supply fresh air; consult doctor in case of complaints</p>
Skin:	<p>Generally, the product does not irritate the skin.</p>
Eyes:	<p>Rinse opened eye for several minutes under running water.</p>
Ingestion:	<p>Immediately call a doctor.</p>
	<p>See section 11 for more detailed information on health effects & symptoms.</p>

SECTION 5: Fire Fighting Measures

Flammability of the product:	<p>No data available</p>
Extinguishing Media:	<p>Use firefighting measures that suit the environment. A solid water stream may be inefficient.</p>
Hazardous thermal (de)composition products:	<p>No data available</p>
Special Fire Fighting Procedures:	<p>No data available</p>
Flash Point:	<p>No data available</p>

Section 6: Accidental Release Measures





Personal Precautions:	<p>No data available</p>
Environmental Precautions:	<p>Do not allow to enter sewers/ surface or ground water.</p>

Methods for Clean-up:	Pick up mechanically.
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SECTION 7: Handling & Storage

Storage:	Store at -20°C.
Handling:	No special precautions are necessary if used correctly. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid prolonged or repeated exposure. Keep away from sources of ignition. Take precautionary measures against static discharge.

SECTION 8: Exposure controls / Personal Protection

Respiratory Protection:	 <p>Not required.</p>
Skin and Body:	  <p>Protective gloves.</p>
Eyes:	 <p>Not required.</p>
Ventilation/Engineering Measures:	N/A
Hygiene:	Handle in accordance with good industrial hygiene and safety practice.
Other:	N/A

SECTION 9: Physical and Chemical Properties

Appearance & Odor:	Crystalline solid, characteristic odor
Formula	C ₁₆ H ₁₄ N ₂ O ₄
Molecular Wt.	298.3
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:	~0.5 mg/ml in a 1:1 solution of DMF:PBS (pH 7.2); ~10 mg/ml in DMSO; ~14 mg/ml in DMF
Flash Point:	No data available
Autoignition Temp:	No data available

SECTION 10: Stability and Reactivity

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

SECTION 11: Toxicological Information

RTECS#:	DJ3102000
ACUTE Toxicity:	Oral LD50 = 2,320 mg/kg (mouse) Oral LD50 = 10 g/kg (rat) Intraperitoneal LD50 = 450 mg/kg (mouse) Intraperitoneal LD50 = 500 mg/kg (rat) Subcutaneous LD50 = 3,310 mg/kg (mouse) Subcutaneous LD50 = 1,400 mg/kg (rat)
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.

	<p>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.</p> <p>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.</p> <p>EPA: No classification on carcinogenic data is available from EPA</p>
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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 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:	Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Contaminated Packaging:	Disposal must be made according to official regulations.

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:	<p>H302 Harmful if swallowed</p> <p>P264 Wash thoroughly after handling</p> <p>P270 Do not eat, drink, or smoke when using this product.</p> <p>P301+P312 If swallowed: Call a poison center/doctor if you feel unwell.</p>
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	P330 Rinse mouth. P501 Dispose of contents/container in accordance with local/regional /national/international regulations.
Risk Phrases:	N/A
Safety Phrases:	N/A
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: Acute toxicity (Cat. 4)
WHMIS (Canada):	N/A

SECTION 16: Other Information

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