

Safety Data Sheet


Section 1: Product & Company Identification

Product Name:	Asterric Acid
Product #:	A-2639
Synonyms:	Dimethylsocioic Acid; RES-1214-1; TAN 1415A
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
Asterric Acid	577-64-0	804-200-6	≥99

Section 3: Hazards Identification

Symbols	
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HMIS Rating

Health Hazard	Chronic Health Hazard	Flammability	Physical Hazard
0		0	0

NFPA Rating

Health Hazard	Fire Hazard	Reactivity Hazard
0	0	0

Section 4: First Aid Measures

General Overview:	No further relevant information available
Inhalation:	Supply fresh air; consult a doctor in case of complaints.
Skin:	Generally, the product does not irritate the skin.
Eyes:	Rinse opened eyes for several minutes under running water.

Ingestion:	If symptoms persist consult doctor.
	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:	Use firefighting measures that suit the environment. A solid water stream may be inefficient.
Hazardous thermal (de)composition products:	No data available
Special Fire Fighting Procedures:	No special measures required.
Flash Point:	No data available


Section 6: Accidental Release Measures




Personal Precautions:	Product is not flammable.
Environmental Precautions:	Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.
Methods for Clean-up:	Pick up mechanically.

SECTION 7: Handling & Storage

Storage:	Recommended storage temperature: -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:	
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	Not required
Skin and Body:	  <p>Protective gloves and lab coat.</p>
Eyes:	 <p>Not required</p>
Ventilation/Engineering Measures:	Ensure adequate ventilation.
Hygiene:	Follow standard good industrial hygiene practices.
Other:	Contains no substances with occupational exposure limit values.

SECTION 9: Physical and Chemical Properties

Appearance & Odor:	Solid. Characteristic odor.
Formula	$C_{17}H_{16}O_8$
Molecular Wt.	348.3
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; DMSO; Ethanol; Methanol
Flash Point:	No data available
Autoignition Temp:	No data available

SECTION 10: Stability and Reactivity

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

SECTION 11: Toxicological Information

RTECS#:	DG4975310
ACUTE Toxicity:	N/A
CHRONIC Toxicity:	N/A
Chronic Exposure: Carcinogen: Mutagen: Teratogen: Reproductive:	<p>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.</p> <p>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> <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>

SECTION 12: Ecological Information

Ecotoxicity:	Water hazard class 2 (Self-assessment): hazardous for water. Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. Also poisonous for fish and plankton in water bodies. Very toxic for aquatic organisms.
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:	Very toxic for fish

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#:	UN3077
ADR / RID (LAND):	
DOT regulations:	<p>Environmentally hazardous substance, solid, n.o.s. (Asterric Acid) Class 9 Miscellaneous dangerous substances and articles Label 9 Packing Group III</p> <p>Quantity limitations On passenger aircraft/rail: 400 kg On cargo aircraft only: 400 kg</p>
IMDG/IMO (SEA):	<p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Asterric Acid) Class 9 Miscellaneous dangerous substances and articles Label 9 Packing Group III</p> <p>Limited quantities (LQ) 5 kg Excepted quantities (EQ) Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g</p>
IATA/DGR (AIR):	<p>Environmentally hazardous substance, solid, n.o.s. (Asterric Acid) Class 9 Miscellaneous dangerous substances and articles Label 9 Packing Group III</p> <p>Remarks: 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.</p>
Special Provisions:	<p>Special precautions for user Warning: Miscellaneous dangerous substances and articles</p> <p>Hazard identification number (Kemler code): 90 EMS Number: F-A,S-F Stowage Category A Stowage Code SW23 When transported in BK3 bulk container, see 7.6.2.12 and 7.7.3.9.</p>

SECTION 15: Regulatory Information

Health Phrases:	Warning! H410 Very toxic to aquatic life with long lasting effects.
Risk Phrases:	P273 Avoid release to the environment. P391 Collect spillage. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
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 aquatic toxicity (Cat. 1); Chronic aquatic toxicity (Cat. 1)
WHMIS (Canada):	N/A

SECTION 16: Other Information

LIABILITY STATEMENT: *The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. AG Scientific shall not be held liable for any damages resulting from handling or from contact with the above product. AG Scientific products are for research purposes only. Not for human use or consumption.*