



**Material Safety Data Sheet**

Section 1: Product and Company Identification			
<b>Product Name</b>	Acriflavine Hydrochloride		
<b>Catalogue Number:</b>	AS-2037		
<b>E-mail:</b>	Sales@ausamics.com	<b>Website:</b>	Ausamics.com

Section 2: Hazards Identification	
<b>Classification of the substance or mixture</b> Acute toxicity, (Category 4) H302: Harmful if swallowed. Serious eye damage, (Category 1) H318: Causes serious eye damage. Long-term (chronic) aquatic hazard, (Category 2) H411: Toxic to aquatic life with long lasting effects.	
<b>Label elements</b> <b>Labelling according to Regulation (EC) No 1272/2008</b>	
Pictogram	
Signal Word	Danger
<b>Hazard Statements</b> H302 Harmful if swallowed. H318 Causes serious eye damage. H411 Toxic to aquatic life with long lasting effects.	
<b>Precautionary Statements</b> P264 Wash skin thoroughly after handling. P273 Avoid release to the environment. P280 Wear eye protection/ face protection. P301 + P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P391 Collect spillage. Supplemental Hazard Statements none	
<b>Other hazards</b> This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.	

Section 3: Composition / Information on Ingredients	
<b>Substances</b>	
Synonyms	3,6-Diamino-10-methylacridinium chloride hydrochloride Euflavine



Component		Classification	Concentration
<b>Acriflavine hydrochloride</b>			
CAS-No.	8063-24-9	Acute Tox. 4; Eye Dam. 1; Aquatic Chronic 2; H302, H318, H411	<= 100 %

#### Section 4: First Aid Measures

Description of first-aid measures	
<b>General advice</b>	Show this material safety data sheet to the doctor in attendance.
<b>If inhaled</b>	After inhalation: fresh air.
<b>In case of skin contact</b>	In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.
<b>In case of eye contact</b>	After eye contact: rinse out with plenty of water. Immediately call-in ophthalmologist. Remove contact lenses.
<b>If swallowed</b>	After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.
<b>Most important symptoms and effects, both acute and delayed</b> The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.	
<b>Indication of any immediate medical attention and special treatment needed</b> No data available	

#### Section 5: Fire Fighting Measures

<b>Extinguishing media</b>
<b>Suitable extinguishing media</b> Water Foam Carbon dioxide (CO2) Dry powder
<b>Unsuitable extinguishing media</b> For this substance/mixture no limitations of extinguishing agents are given.
<b>Special hazards arising from the substance or mixture</b> Nature of decomposition products not known. Combustible. Development of hazardous combustion gases or vapors possible in the event of fire.
<b>Advice for firefighters</b> In the event of fire, wear self-contained breathing apparatus.
<b>Further information</b> Prevent fire extinguishing water from contaminating surface water or the ground water system.

#### Section 6: Accidental Release Measures

<b>Personal precautions, protective equipment and emergency procedures</b> Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.
<b>Environmental precautions</b> Do not let product enter drains.
<b>Methods and materials for containment and cleaning up</b> Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.
<b>Reference to other sections</b> For disposal see section 13.



Section 7: Handling and Storage	
<b>Precautions for safe handling</b> For precautions see section 2.	
<b>Conditions for safe storage, including any incompatibilities</b>	
<b>Storage conditions</b>	Tightly closed. Dry.
<b>Storage class</b>	Storage class (TRGS 510): 11: Combustible Solids

Section 8: Exposure Controls / Personal Protection	
<b>Control parameters</b> <b>Ingredients with workplace control parameters</b>	
<b>Exposure controls</b>	
<b>Personal protective equipment</b> <b>Eye/face protection</b> Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Tightly fitting safety goggles.	
<b>Body Protection</b> protective clothing	
<b>Respiratory protection</b> required when dust is generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Recommended Filter type: Filter type P2 The entrepreneur must ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures must be properly documented.	
<b>Control of environmental exposure</b> Do not let product enter drains.	

Section 9: Physical and Chemical Properties	
Physical state	Solid
Color	Dark red
Odor	No data available
Melting point/freezing point	Melting point/range: 260 °C - dec.
Initial boiling point and boiling range	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Flash point	No data available
Vapor pressure	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
pH	No data available



Viscosity	Viscosity, kinematic: No data available Viscosity, dynamic: No data available
Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Density	No data available
Relative density	No data available
Relative vapor density	No data available
Particle characteristics	No data available
Explosive properties	No data available
Oxidizing properties	No data available
<b>Other safety information</b>	No data available

Section 10: Stability and Reactivity	
<b>Reactivity</b>	The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.
<b>Chemical stability</b>	The product is chemically stable under standard ambient conditions (room temperature).
<b>Possibility of hazardous reactions</b>	No data available
<b>Conditions to avoid</b>	no information available
<b>Incompatible materials</b>	Oxidizing agents
<b>Hazardous decomposition products</b>	In the event of fire: see section 5.

Section 11: Toxicological Information	
<b>Information on toxicological effects</b>	
<b>Mixture</b>	
<b>Acute toxicity</b>	LD50 Oral - Rat - 1.048 mg/kg Inhalation: No data available Dermal: No data available
<b>Skin corrosion/irritation</b>	Skin - Rabbit Result: No skin irritation
<b>Serious eye damage/eye irritation</b>	Eyes - Rabbit Result: Severe eye irritation
<b>Respiratory or skin sensitization</b>	No data available
<b>Germ cell mutagenicity</b>	No data available
<b>Carcinogenicity</b>	No data available
<b>Reproductive toxicity</b>	No data available
<b>Specific target organ toxicity - single exposure</b>	No data available



<b>Specific target organ toxicity - repeated exposure</b>	No data available
<b>Aspiration hazard</b>	No data available
<b>Additional Information</b>	
<b>Endocrine disrupting properties Product:</b> Assessment	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Cardiovascular effects., Central nervous system depression, Respiratory disorders.	

Section 12: Ecological Information	
<b>Toxicity</b>	
Toxicity to fish	LC50 - Leuciscus idus (Golden orfe) - 1 - 10 mg/l - 48,0 h
<b>Persistence and degradability</b>	No data available
<b>Bio accumulative potential</b>	No data available
<b>Mobility in soil</b>	No data available
<b>Results of PBT and vPvB assessment</b>	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
<b>Endocrine disrupting properties Product:</b> Assessment	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
<b>Other adverse effects</b>	No data available

Section 13: Disposal Consideration	
<b>Waste treatment methods Product</b>	Offer surplus and non- recyclable solutions to a licensed company. Contact a licensed professional waste disposal service to dispose of this material.
<b>Contaminated packaging</b>	Dispose of as unused product.

Section 14: Transport Information	
<b>UN number</b>	ADR/RID: 3077 IMDG: 3077 IATA: 3077
<b>UN proper shipping name</b>	ADR/RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Acriflavine hydrochloride) IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Acriflavine hydrochloride) IATA: Environmentally hazardous substance, solid, n.o.s. (Acriflavine hydrochloride)
<b>Transport hazard class(es)</b>	ADR/RID: 9 IMDG: 9 IATA: 9



<b>Packaging group</b>	ADR/RID: III IMDG: III IATA: III
<b>Environmental hazards</b>	ADR/RID: yes IMDG Marine pollutant: yes IATA: yes
<b>Special precautions for user</b>	Tunnel restriction code: (-)
<b>Further information</b>	EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packaging and combination packaging containing inner packaging with Dangerous Goods > 5L for liquids or > 5kg for solids. Packages smaller than or equal to 5 kg / L , not dangerous goods of Class 9.

Section 15: Regulatory Information		
<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b> This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.		
<b>National legislation</b> Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.	E2	ENVIRONMENTAL HAZARDS
<b>Other regulations</b> Observe work restrictions regarding maternity protection in accordance with Dir 92/85/EEC or stricter national regulations where applicable. Take note of Dir 94/33/EC on the protection of young people at work.		
<b>Chemical Safety Assessment</b> For this product a chemical safety assessment was not carried out.		

Section 16: Additional Notes	
<b>Documented By</b>	Ausamics Life Science Sales@Ausamics.com
<b>Revision date</b>	June 08, 2024
<b>Summary of Revisions</b>	This document has been revised to meet the requirements of the US OSHA HazCom 2012 Standard, which supersedes the existing regulations outlined in 29 CFR 1910.1200, in order to align with the internationally recognized globally Harmonized System of Classification and Labeling of chemicals (GHS).
<b>Disclaimer</b>	The information presented in this Safety Data sheet is accurate to the best of our knowledge, information, and belief at the time of publication. It is intended as a guide for the safe handling, use, processing, storage, transportation, disposal, and release of specific materials. However, it should be interpreted as a warranty or quality specification. The provided information pertains solely to the designated material and may not be applicable to its use in combination with other materials or in any process, unless explicitly stated in the text.