



## **Material Safety Data Sheet**

Section 1: Product and Company Identification			
Product Name	Safranin O		
Catalogue Number:	ASC-1011	CAS Number:	477-73-6
E-mail:	Sales@ausamics.com	Website:	Ausamics.com

Section 2: Hazards Identification				
<b>Classification:</b> This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)				
Skin Corrosion/Irritation		Category 2		
Serious Eye Damage/Eye Irritation		Category 1		
Label Elements				
Signal Word Danger				
Hazard Statements		skin irritation serious eye damage		
<b>Precautionary Statements Prevention</b> handlin Wear		protective gloves/protective clothing/eye on/face protection.		
IF ON SKIN: Wash with plenty of soap and water.  Skin  If skin irritation occurs: Get medical advice/atte  Take off contaminated clothing and wash before		ritation occurs: Get medical advice/attention.  contaminated clothing and wash before reuse.		
Remove contact lenses, if present and easy to do.				
Hazards not otherwise classified (HNOC)	None id	entified		

Section 3: Composition / Information on Ingredients			
Component	CAS No	Weight %	
Phenazinium, 3,7-diamino-2,8-dimethyl-5-phenyl-,chloride	477-73-6	>94	





Section 4: First Aid Measures		
General Advice	If symptoms persist, call a physician.	
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.	
Skin Contact	Get medical attention. Wash off immediately with plenty of water for at least 15 minutes.	
Inhalation	Remove to fresh air. If breathing is difficult, give oxygen. Get medical attention.	
Ingestion	Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.	
Most important symptoms and effects	None reasonably foreseeable. Causes eye burns.	
Notes to Physician	Treat symptomatically	

	Section 5: Firefighting Measures				
Suitable Extinguishing Media		Water spray, carbon dioxide (CO2), dry chemical, alcoholresistant foam.			
Unsuitable Extinguishir	ng Media	No informa	tion available		
Flash Point		No informa	tion available		
Autoignition Temperate	ure	No informa	tion available		
Explosion Limits Upper Lower Sensitivity to Mechanical Impact Sensitivity to Static Discharge		No data available No data available No information available No information available			
Specific Hazards Arising from the Chemical		Keep product and empty container away from heat and sources of ignition.			
Hazardous Combustion	Hazardous Combustion Products		Nitrogen oxides (NOx). Carbon monoxide (CO). Carbon dioxide (CO2). Hydrogen chloride gas.		
Protective Equipment and Precautions for Firefighters		As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.			
NFPA					
Health	Flammability		Instability	Physical hazards	
2	1		0	N/A	

Section 6: Accidental Release Measures		
Personal Precautions  Use personal protective equipment as required adequate ventilation. Avoid dust formation.		
Environmental Precautions	Should not be released into the environment. See Section 12 for additional Ecological Information.	





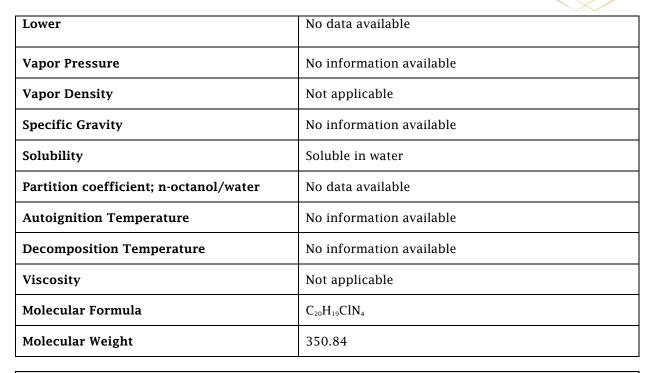
	Sweep u	p ai	nd	shove	el into	suitable	containers	for
Methods for Containment and Clean Up	disposal.	Ke	ep	in s	uitable,	closed	containers	for
	disposal.							

Section 7: Handling and storage		
Handling	Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Avoid dust formation.	
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Incompatible Materials. Strong oxidizing agents.	

Section 8: Exposure Controls / Personal Protection		
Exposure Guidelines	This product does not contain any hazardous materials with occupational exposure. Limits established by the region-specific regulatory bodies.	
Engineering Measures	Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.	
Personal Protective Equipment		
Eye/face Protection	Tight sealing safety goggles.	
Skin and body protection	Wear appropriate protective gloves and clothing to prevent skin exposure.	
Respiratory Protection	No protective equipment is needed under normal use conditions.	
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.	

Section 9: Physical and Chemical Properties		
Physical State	Powder Solid	
Appearance	Red brown	
Odor	Odorless	
Odor Threshold	No information available	
рН	Not applicable	
Melting Point/Range	No data available	
Boiling Point/Range	No information available	
Flash Point	No information available	
Evaporation Rate	Not applicable	
Flammability (solid, gas)	No information available	
Flammability or explosive limits Upper	No data available	

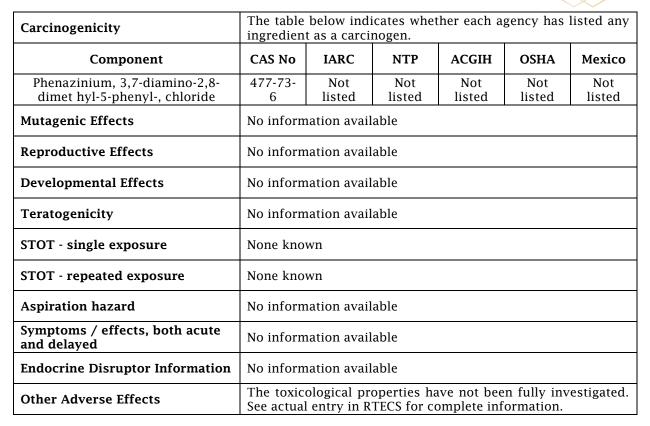




Section 10: stability and Reactivity		
Reactive Hazard	None known, based on information available	
Stability	Stable under recommended storage conditions.	
Conditions to Avoid	Incompatible products. Excess heat. Avoid dust formation.	
Incompatible Materials	Strong oxidizing agents	
Hazardous Decomposition Products	Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO2), Hydrogen chloride gas.	
Hazardous Polymerization	Hazardous polymerization does not occur.	
Hazardous Reactions	None under normal processing.	

Section 11: Toxicological Information		
Acute Toxicity Product Information Component Information	No acute toxicity information is available for this product	
Toxicologically Synergistic Products	No information available	
Delayed and immediate effects as well as chronic effects from short and long-term exposure		
Irritation Risk of serious damage to eyes		
Sensitization	No information available	





Section 12: Ecological Information			
Ecotoxicity	Do not empty into drains.		
Persistence and Degradability	Soluble in water Persistence is unlikely based on information available.		
Bioaccumulation/ Accumulation	No information available.		
Mobility	Will likely be mobile in the environment due to its water solubility.		

Section 13: Disposal Consideration				
Waste Disposal Methods	Chemical waste generators must determine whether a discarded chemical is classified as hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.			

Section 14: Transport Information		
DOT	Not regulated	
TDG	Not regulated	





IATA	Not regulated
IMDG/IMO	Not regulated

#### **Section 15: Regulatory Information**

### **United States of America Inventory**

Component	CAS No	TSCA	TSCA Inventory notification - Active-Inactive	TSCA - EPA Regulatory Flags
Phenazinium, 3,7- diamino-2,8-dimethyl-5- phenyl -, chloride	477-73-6	X	ACTIVE	-

### Legend:

TSCA US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

X - Listed

'-' - Not Listed

TSCA 12(b) - Notices of Export

Not applicable

#### **International Inventories**

Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea (KECL).

Component	CAS No	DSL	NDSL	EINECS	PICC S	ENCS	ISHL	AICS	IECSC	KECL
Phenazinium, 3,7-diamino- 2,8-dimethyl- 5-phenyl -, chloride	477- 73-6	X	-	207- 518-8	X	X	X	X	X	KE- 09729

### **U.S. Federal Regulations**

U.S. Department of Transportation

SARA 313	Not applicable
SARA 311/312 Hazard Categories	See section 2 for more information
CWA (Clean Water Act)	Not applicable
Clean Air Act	Not applicable
OSHA - Occupational Safety and Health Administration	Not applicable
CERCLA	Not applicable
California Proposition 65	This product does not contain any Proposition 65 chemicals.
U.S. State Right-to-Know Regulations	Not applicable





Reportable Quantity (RQ)		N		
DOT Marine Pollutant		N		
DOT Severe Marine Polluta	ant	N		
U.S. Department of Home	eland Security	This product does not cor	ntain any DHS chemicals.	
Other International Regulations				
Mexico - Grade		No information available		
Authorization /Restriction	ons according to EU REA	АСН		
Component	REACH (1907/2006) - Annex XIV - Substances Subject to Authorization	REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	REACH Regulation (EC) 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC)	
Phenazinium, 3,7- diamino-2,8 dimethyl-5- phen yl-, chloride	-	Use restricted. See item 75. (see link for restriction details)	-	

# $Safety, health \ and \ environmental \ regulations/legislation \ specific \ for \ the \ substance \ or \ mixture$

Component	CAS No	OECD HPV	Persistent Organic Pollutant	Ozone Depletion Potential	Restriction of Hazardous Substances (RoHS)
Phenazinium, 3,7-diamino-2,8 dimethyl-5-phen yl-, chloride	477-73-6	Not applicable	Not applicable	Not applicable	Not applicable

Component	CAS No	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements	Rotterdam Convention (PIC)	Basel Convention (Hazardous Waste)
Phenazinium, 3,7-diamino- 2,8 dimethyl- 5-phen yl-, chloride	477-73-6	Not applicable	Not applicable	Not applicable	Not applicable

Section 16: Additional Notes		
Documented By	Ausamics Life Science Sales@Ausamics.com	



Revision date	June 03, 2023
Summary of Revisions	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).
Disclaimer	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.