




Material Safety Data Sheet

Section 1: Product and Company Identification			
Product Name	Eosin Yellow Sodium Salt		
Catalogue Number:	ASC-1007	CAS Number:	17372-87-1
E-mail:	Sales@ausamics.com	Website:	Ausamics.com

Section 2: Hazards Identification	
CLP Classification - Regulation (EC) No 1272/2008 Physical hazards	Based on available data, the classification criteria are not met.
Health hazards Serious Eye Damage/Eye Irritation	Category 2 (H319)
Environmental hazards Based on available data, the classification criteria are not met.	
Label Elements	
Signal Word	Warning 
Hazard Statements	H319 - Causes serious eye irritation
Precautionary Statements	P280 - Wear protective gloves/protective clothing/eye protection/face protection. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Other hazards	Substance is not considered persistent, bioaccumulative and toxic (PBT) / very persistent and very bioaccumulative (vPvB).

Section 3: Composition / Information on Ingredients				
Component	CAS-No	EC-No.	Weight %	CLP Classification - Regulation (EC) No 1272/2008
Acid red 87	17372-87-1	EEC No. 241-409-6	>95	Eye Irrit. 2 (H319)

Section 4: First Aid Measures	
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.
Inhalation	Remove to fresh air. Get medical attention if symptoms occur. If not breathing, give artificial respiration.



Ingestion	Do NOT induce vomiting. Get medical attention.
Self-Protection of the First Aider	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.
Most important symptoms and effects, both acute and delayed	No information available.
Indication of any immediate medical attention and special treatment needed	
Notes to Physician	Treat symptomatically

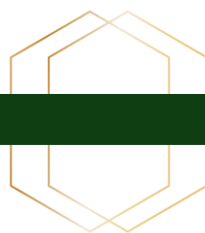
Section 5: Firefighting Measures	
Suitable Extinguishing Media	Water spray, carbon dioxide (CO ₂), dry chemical, alcohol-resistant foam.
Extinguishing media which must not be used for safety reasons	No information available.
Special hazards arising from the substance or mixture	Thermal decomposition can lead to release of irritating gases and vapors.
Hazardous Combustion Products	Carbon monoxide (CO), Carbon dioxide (CO ₂), Hydrogen halides, Bromine, Sodium oxides.
Advice for firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures	
Personal precautions, protective equipment and emergency procedures	Use personal protective equipment as required. Ensure adequate ventilation. Avoid dust formation. Avoid contact with skin, eyes or clothing.
Environmental precautions	Avoid release to the environment. See Section 12 for additional Ecological Information.
Methods and material for containment and cleaning up	Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

Section 7: Handling and storage	
Handling	Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid dust formation. Avoid contact with skin and eyes. Avoid ingestion and inhalation.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuff. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and after work.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place.
Technical Rules for Hazardous Substances (TRGS) 510 Storage Class (LGK) (Germany)	Class 11
Specific end use(s)	Use in laboratories



Section 8: Exposure Controls / Personal Protection				
Exposure limits		This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.		
Biological limit values		This product, as supplied, does not contain any hazardous materials with biological limits established by the region-specific regulatory bodies		
Monitoring methods		BS EN 14042:2003 Title Identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust.		
Derived No Effect Level (DNEL)		No information available		
Route of exposure	Acute effects (local)	Acute effects (systemic)	Chronic effects (local)	Chronic effects (systemic)
Oral Dermal Inhalation				
Predicted No Effect Concentration (PNEC)		No information available.		
Exposure controls Engineering Measures		Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location. Wherever possible, engineering control measures such as the isolation or enclosure of the process, the introduction of process or equipment changes to minimize release or contact, and the use of properly designed ventilation systems, should be adopted to control hazardous materials at source		
Personal Protective Equipment				
Eye/face Protection		Goggles (European standard - EN 166)		
Hand Protection		Protective gloves		
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.		
Large scale/emergency use		Use a NIOSH/MSHA or European Standard EN 136 approved respirators if exposure limits are exceeded or if irritation or other symptoms are experienced. Recommended Filter type: Particulates filter conforming to EN 143		
Small scale/Laboratory use		Maintain adequate ventilation Use a NIOSH/MSHA or European Standard EN 149:2001 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Recommended half mask: - Particle filtering: EN149:2001		
Environmental exposure controls		No information available.		



Section 9: Physical and Chemical Properties	
Physical State	Powder Solid
Appearance	Red brown
Odor	Odorless
Odor Threshold	No data available
Melting Point/Range	300 °C / 572 °F
Softening Point	No data available
Boiling Point/Range	No information available
Flammability (liquid)	Not applicable / Solid
Flammability (solid, gas)	No information available
Explosion Limits	No data available
Flash Point	No information available
Autoignition Temperature	Not applicable
Decomposition Temperature	> 300°C
pH	7-10
Viscosity	Not applicable / Solid
Water Solubility	Soluble
Solubility in other solvents	No information available
Partition Coefficient (n-octanol/water)	
Component	log Pow
Acid red 87	4.80
Vapor Pressure	negligible
Density / Specific Gravity	1.018
Bulk Density	No data available
Vapor Density	Not applicable / Solid
Particle characteristics	No data available



Molecular Formula	C20 H6 Br4 Na2 O5
Molecular Weight	691.85
Evaporation Rate	Not applicable - Solid

Section 10: stability and Reactivity	
Reactive Hazard	None known, based on information available
Stability	Stable under normal conditions, Moisture sensitive.
Possibility of hazardous reactions Hazardous Polymerization Hazardous Reactions	Hazardous polymerization does not occur. No information available.
Conditions to avoid	Avoid dust formation. Incompatible products. Excess heat. Exposure to moisture.
Incompatible materials	Strong oxidizing agents. Strong acids. Alkaline. Strong reducing agents.
Hazardous decomposition products	Carbon monoxide (CO). Carbon dioxide (CO2). Hydrogen halides. Bromine. Sodium oxides.

Section 11: Toxicological Information	
Product Information	No acute toxicity information is available for this product.
acute toxicity Oral Dermal Inhalation	No data available No data available No data available
skin corrosion/irritation	No data available
serious eye damage/irritation	Category 2
respiratory or skin sensitization Respiratory Skin	No data available No data available
germ cell mutagenicity	No data available Not mutagenic in AMES Test
carcinogenicity	No data available There are no known carcinogenic chemicals in this product
reproductive toxicity	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Target Organs	No information available



aspiration hazard	Not applicable Solid
Other Adverse Effects	The toxicological properties have not been fully investigated.
Symptoms / effects, both acute and delayed	No information available
Endocrine Disrupting Properties	Assess endocrine disrupting properties for human health. This product does not contain any known or suspected endocrine disruptors.

Section 12: Ecological Information			
Ecotoxicity		Do not empty into drains	
Component	Freshwater Fish	Water Flea	Freshwater Algae
Acid red 87	LC50= 1200 mg/L/48h (Oryzias latipes)		
Persistence and Degradability		May persist	
Bioaccumulation/ Accumulation		Product has a high potential to bioconcentrate	
Component	log Pow		Bioconcentration factor (BCF)
Acid red 87	4.80		No data available
Mobility in soil		The product is water soluble and may spread in water systems Will likely be mobile in the environment due to its water solubility. Is not likely mobile in the environment due its low water solubility and propensity to bind to soil particles	
Results of PBT and vPvB assessment		Substance is not considered persistent, bioaccumulative and toxic (PBT) / very persistent and very bioaccumulative (vPvB).	
Endocrine disrupting properties Endocrine Disruptor Information		This product does not contain any known or suspected endocrine disruptors	
Other adverse effects Persistent Organic Pollutant Ozone Depletion Potential		This product does not contain any known or suspected substance This product does not contain any known or suspected substance	

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

Section 14: Transport Information	
IMDG/IMO	Not regulated



ADR	Not regulated
IATA	Not regulated
Environmental hazards	No hazards identified
Special precautions for user	No special precautions required
Maritime transport in bulk according to IMO instruments	No special precautions required

Section 15: Regulatory Information											
Safety, health and environmental regulations/legislation specific for the substance or mixture											
International Inventories											
X = listed, Europe (EINECS/ELINCS/NLP), U.S.A. (TSCA), Canada (DSL/NDSL), Philippines (PICCS), China (IECSC), Japan (ENCS), Australia (AICS), Korea (ECL).											
Component	EINECS	ELINCS	NLP	TSCA	DSL	NDSL	PICCS	ENCS	IECSC	AICS	KECL
Acid red 87	241-409-6	-		X	X	-	X	X	X	X	KE-06722
Regulation (EC) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of dangerous chemicals					Not applicable						
National Regulations WGK Classification					Water endangering class = 3 (self-classification)						
UK - Take note of Control of Substances Hazardous to Health Regulations (COSHH) 2002 and 2005 Amendment											
Chemical safety assessment					A Chemical Safety Assessment/Report (CSA/CSR) has not been conducted.						

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