




Material Safety Data Sheet

Section 1: Product and Company Identification			
Product Name	Wright Stain		
Catalogue Number:	ASC-1037		
E-mail:	Sales@ausamics.com	Website:	Ausamics.com

Section 2: Hazards Identification	
Classification of the substance or mixture Acute toxicity, (Category 4) H302: Harmful if swallowed. Eye irritation, (Category 2) H319: Causes serious eye irritation.	
Label elements Labelling according to Regulation (EC) No 1272/2008	
Pictogram	
Signal Word	Warning
Hazard Statements H302 Harmful if swallowed. H319 Causes serious eye irritation.	
Precautionary Statements P280 Wear eye protection/ face protection. P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/ attention. Supplemental Hazard Statements none	
Other hazards 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			
Mixture			
Synonym	Eosin Methylene blue according to Wright		
Component		Classification	Concentration
Methylene blue			
CAS-No.	61-73-4	Acute Tox. 4; H302	>= 70 - < 90 %
EC-No.	200-515-2		



Eosin G			
CAS-No.	17372-87-1	Eye Irrit. 2; Skin Sens. 1; H319, H317	>= 30 - < 50 %
EC-No.	241-409-6	Concentration limits: >= 0,1 %:	
Registration number	01-2120138551-62- XXXX	Skin Sens. 1, ;	
No components need to be disclosed according to the applicable regulations.			

Description of first-aid measures	
General advice	Consult a physician. Show this material safety data sheet to the doctor in attendance.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash off with soap and plenty of water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Most important symptoms and effects, both acute and delayed	
The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.	
Indication of any immediate medical attention and special treatment needed	
No data available	

Section 5: Fire Fighting Measures	
Extinguishing media	
Suitable extinguishing media	
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.	
Special hazards arising from the substance or mixture	
Carbon oxides Nitrogen oxides (NOx) Sulfur oxides Hydrogen chloride gas Hydrogen bromide gas Sodium oxides	
Advice for firefighters	
Wear self-contained breathing apparatus for firefighting if necessary.	
Further information	
No data available	

Section 6: Accidental Release Measures	
Personal precautions, protective equipment and emergency procedures	
Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8.	
Environmental precautions	
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.	



Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
Reference to other sections
For disposal see section 13.

Section 7: Handling and Storage	
Precautions for safe handling	
Advice on safe handling	
Avoid contact with skin and eyes. Avoid formation of dust and aerosols.	
Advice on protection against fire and explosion	
Provide appropriate exhaust ventilation at places where dust is formed.	
Hygiene measures	
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. For precautions see section 2.	
Conditions for safe storage, including any incompatibilities	
Storage conditions	Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
Storage class	Storage class (TRGS 510): 11: Combustible Solids.

Section 8: Exposure Controls / Personal Protection	
Control parameters	
Ingredients with workplace control parameters	
Exposure controls	
Personal protective equipment	
Eye/face protection	
Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).	
Skin protection	
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves must satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.	
Body Protection	
Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.	
Respiratory protection	
For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).	
Control of environmental exposure	
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.	



Section 9: Physical and Chemical Properties	
Physical state	Powder
Color	No data available
Odor	No data available
Melting point/freezing point	No data available
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
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
Relative density	No data available
Explosive properties	Not classified as explosive.
Oxidizing properties	none
Other safety information	No data available

Section 10: Stability and Reactivity	
Reactivity	No data available
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	No data available
Conditions to avoid	No data available
Incompatible materials	Bases, Strong oxidizing agents, Reducing agents
Hazardous decomposition products	In the event of fire: see section 5.

Section 11: Toxicological Information	
Information on toxicological effects	
Mixture	
Acute toxicity	Oral: No data available Acute toxicity estimate Oral - 1.475 mg/kg (Calculation method)



	Inhalation: No data available Dermal: No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available
Additional Information	
Endocrine disrupting properties Product: 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.
Abdominal pain, Nausea, Dizziness, Headache, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.	
Components	
Methylene blue	
Acute toxicity	LD50 Oral - Rat - 1.180 mg/kg Inhalation: No data available Dermal: No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	Histidine reversion (Ames) Test Type: Mammal Test system: lymphocyte Remarks: DNA damage
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available
Eosin G	
Acute toxicity	LD50 Oral - Rat - female - > 2.000 mg/kg (OECD Test Guideline 423) Inhalation: No data available LD50 Dermal - Rat - female - > 2.000 mg/kg (OECD Test Guideline 402)



Skin corrosion/irritation	Skin - Rat Result: No skin irritation - 24 h (OECD Test Guideline 402)
Serious eye damage/eye irritation	Eyes - Human Result: Causes serious eye irritation. - 6 h (OECD Test Guideline 492)
Respiratory or skin sensitization	Patch test: - Human Result: positive Remarks: (ECHA)
Germ cell mutagenicity	No data available Test Type: Ames test Test system: Salmonella typhimurium Result: negative
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available

Section 12: Ecological Information	
Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	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.
Endocrine properties disrupting Product: 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.
Other adverse effects	Harmful to aquatic life.
Components	
Methylene blue	No data available
Eosin G	
Toxicity to fish	LC50 - Oryzias latipes (Orange-red killifish) - 1.200 mg/l - 48 h Remarks: (ECOTOX Database)
Toxicity to daphnia and other aquatic invertebrates	static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h (OECD Test Guideline 202)
Toxicity to algae	static test ErC50 - Desmodesmus subspicatus (green algae) - 51,3 mg/l - 72 h (OECD Test Guideline 201)
Toxicity to bacteria	NOEC - Bacteria - 100 mg/l - 250 min Remarks: (ECHA)



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	
UN number	ADR/RID: - IMDG: - IATA: -
UN proper shipping name	ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods
Transport hazard class(es)	ADR/RID: - IMDG: - IATA: -
Packaging group	ADR/RID: - IMDG: - IATA: -
Environmental hazards	ADR/RID: no IMDG Marine pollutant: no IATA: no
Special precautions for user	No data available
Further information	Not classified as dangerous in the meaning of transport regulations.

Section 15: Regulatory Information	
Safety, health and environmental regulations/legislation specific for the substance or mixture	This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.
Chemical Safety Assessment	For this product a chemical safety assessment was not carried out.

Section 16: Additional Notes	
Documented By	Ausamics Life Science Sales@Ausamics.com
Revision date	June 12, 2024
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.