MEDICAL CHEMICAL CORPORATION
SINCE 1954

SDS for eosin Y , 1% v/v
Catalog # 552A

Creation date: 05-06-2017 **Revision date: 01-12-2024** **Revision number: 1.05**

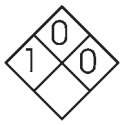
Section I - Product Identification

Product: An aqueous solution of eosin Y.

Intended Uses: Intended to be used as a histology stain. Also used as a general laboratory reagent.

Uses advised against: For laboratory use only.

Country of origin: United States.



Manufacturer Identification

Medical Chemical Corp.
19430 Van Ness Ave.
Torrance, CA 90501

Customer Service: Phone (310)787-6800
Email. Customerdervice@med-chem.com
FAX (310)787-4464

Emergency Telephone Number

CHEMTREC Emergency Response Telephone Number: (800)424-9300. Note: The CHEMTREC phone number is only for emergencies involving spills, leaks, fire, exposure or accident. Please direct all other inquiries to our customer service phone number.

Section II - Hazard Identification

This item is not considered hazardous by 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Acute toxicity (Oral): Category 5 (H303). May be harmful if swallowed.
Acute toxicity (Dermal): Category 5 (H313). May be harmful in contact with skin.
Eye damage/eye Irritation: Category 2B (H320). May cause eye irritation.

The manufacturer is unaware of any chemical hazard associated with this product. The product may cause skin or eye irritation and may be harmful if swallowed.

Precautionary Statements

P102 Keep out of reach of children.
P103 Read label before use.
P270 Do not eat, drink or smoke when using this product.

Safety Ratings

Health: Slightly hazardous *Flammability:* None *Reactivity*: Stable *Contact:* Slight
Recommended safety equipment: Not normally required.
Storage: General storage

NFPA Ratings

Health = 1. Can cause significant irritation.
Flammability = 0. Will not burn
Reactivity = 0. Stable.

Potential Health Effects

The toxicology of this compound have not been completely examined. It is presumed that the toxicity of this item is similar to other xanthene dyes.

Inhalation: May be Irritating to respiratory tract.

Ingestion: While the toxicity of this compound is low, large doses will cause nausea, vomiting, diarrhea, etc

Skin contact: May cause skin damage. May cause skin irritation or aggravation of existing dermatitis.

Eye contact: A serious eye irritant.

Chronic Exposure: Unknown.

Aggravation of preexisting conditions: Unknown.

Section III - Composition/Information on Components

Ingredient	CAS#	EC/List number	%
Eosin Y	17372-87-1	241-409-6	1% w/w

Section IV - First Aid Measures

Inhalation: Unlikely to be an issue. Remove from source of exposure and get medical attention for any breathing difficulty.

Ingestion: Do not induce vomiting. Contact a poison control center immediately

Skin Contact: Wash affected area with soap and water. Get medical advice if irritation develops.

Eye Contact: Rinse thoroughly with running water. Get medical advice.

Section V - Fire Fighting Measures

Fire: Not normally a fire hazard.

Explosion: Not normally an explosion hazard.

Fire Extinguishing Media: Any means suitable for surrounding fire.

Special information: Not applicable.

Section VI - Accidental Release Measures

Absorb with a suitable absorbent such as paper towels and store in a suitable container for disposal.

Section VII - Handling and Storage

Store in a closed opaque container at controlled room temperature, 59 °F to 86 °F (15 °C to 30 °C).

Section VIII - Exposure Control/Personal Protection

Component	ACGIH TLV	OSHA PEL	NIOSH	NIOSH IDLH
eosin Y	Not regulated	Not regulated	Not regulated	Not regulated

Legend

ACGIH: American Conference of Governmental Industrial Hygienists.
OSHA*:* Occupational Safety and Health Administration.
NIOSH: National Institute for Occupational Safety and Health.
IDLH: Immediately dangerous to life or health.

Ventilation System: Usually not required. When required, Refer to the ACGIH document, “Industrial Ventilation, a Manual of Recommended Practices” for details about ventilation.

Personal Respirator: Usually not required. In case of emergency, or when exposure levels are unknown, use a positive pressure, full face piece, air supplied respirator.

Skin protection: Protective gloves are not required but may be used as part of good laboratory practice.

Eye Protection: Laboratory safety goggles or similar products are not required but recommended as part of good laboratory practices

Section IX - Physical and Chemical Properties

Appearance and Odor: A clear, reddish solution.

Flash point: Not applicable.
Auto ignition temperature: Not applicable
Boiling point range: No data
Decomposition temperature: No data
Melting point: ~0 °C (32 °F)
pH: 7
Volatile organic carbon (VOC): Not applicable

Flammable Limits: Not applicable.
Boiling Point: ~100 °C (212 °C)
Density: 1.00 g/ml @ 22.5 °C
Evaporation Rate (Water = 1): 1
Partition coefficient (*n*-Octanol/Water): No data
Solubility: Infinitely miscible with water

Section X - Stability and Reactivity

Stability: Stable under normal conditions.

Hazardous Decomposition Products: The manufacturer is unaware of any hazardous decomposition products.

Hazardous polymerization: Will not occur.

Incompatibilities: Nothing unusual.

Conditions to avoid: Nothing unusual.

Section XI - Toxicological Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Eosin Y	> 2,000 mg/kg	No data	No data

Cancer lists

Ingredient	*Known Carcinogenicity?*	*NTP?*	*Anticipated?*	*IARC Category*
Eosin Y	No	No	No	No

Section XII - Ecological Information

This product is not expected to bioaccumulate. The product biodegrades quickly and does not contain endocrine disrupters, persistent organic pollutants or ozone depleters.

Soil Mobility: Unknown
Environmental Fate: Biodegradable
Environmental Toxicity: The product has low environmental toxicity.

For eosin Y

Toxicity to freshwater fish (killifish): LC50 >1200 mg/kg, 96 h
Toxicity to invertebrates (water flea): EC50 > 100mg/ll, 48 h
Toxicity to freshwater algae: No data

Section XIII - Disposal Considerations

Not normally restricted but ultimate authority resides with local government agencies. Insure compliance with all federal, state and local regulations

Section XIV - Transportation Information

Not regulated by DOT or IATA.

Section XV - Regulatory Information

Chemical Inventory Status

Ingredient	*TSCA*	*EC*
Eosin Y	Yes	Yes

Federal, State and International Regulations

Ingredient	*SARA 302 RQ*	*SARA 302 TPQ*	*SARA 313 List*	*SARA 313 Category*	*RCRA 261.33*	*TSCA 8(D)*	*Ca. Prop 65*
Eosin Y	No	No	No	No	No	No	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No

SARA 311/312

Acute: No
Chronic: No
Fire: No
Pressure: No

Section XVI - Other Information

This information is believed to be correct at the time of publication but is not guaranteed as such, nor does it purport to be all inclusive. Medical Chemical Corp. assumes no liability for the accuracy or completeness of the information. The user assumes all responsibility for compliance with federal, state and local laws.

Document Number: S053
Revision number: 1.05
Revision Date: Jan. 12, 2024