

# Safety Data Sheet

## Eosin Y Powder



### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

#### 1.1 Product Identifier

Trade Name : Eosin Y Powder  
Product Number : 3803805  
SDS Date : August 13, 2015

#### 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Product Use : Histological stain.  
Uses Advised Against : All other uses.

#### 1.3 Details of the Supplier of the Substance or Mixture

Manufacturer/Preparer : Leica Biosystems Richmond, Inc  
5205 Route 12  
Richmond, IL 60071  
800-225-3035  
[LBSNA-LBS-QA@LEICABIOSYSTEMS.COM](mailto:LBSNA-LBS-QA@LEICABIOSYSTEMS.COM)

#### 1.4 Emergency Telephone Number

Emergency Spill : 1-800-424-9300 (ChemTrec)  
+1 703-527-3887 International calls (call collect)  
13 11 26 (Australia 24 Hr Poisons Information Centre)  
Other Information : 1-800-225-3035

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the Substance or Mixture

CLP/GHS Classification (1272/2008) :

Physical:	Health:	Environmental:
Not hazardous	Skin Irritant – Category 3 Eye Irritant – Category 2A	Not hazardous

#### 2.2 Label Elements

Hazard Pictograms :



Signal Word : WARNING!

<b>Hazard Statements</b>	:	H316	Causes mild skin irritation.
	:	H319	Causes serious eye irritation.
<b>Precautionary Statements</b>	:	P264	Wash thoroughly after handling.
	:	P280	Wear protective gloves, protective clothing, and eye protection.
	:	P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	:	P332+P313	If skin irritation occurs: Get medical advice/attention.
	:	P337+P313	If eye irritation occurs: Get medical advice/attention.
	:	P405	Store locked up.
	:	P501	Dispose of contents/container in accordance with all local and nation regulations.

## 2.3 Other Hazards

Other hazards which do not result in classifications : None known.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number / EINECS Number / REACH Reg. Number	% (w/w)	CLP/GHS Classification (1272/2008)
Eosin Y Powder	17237-87-1 241-409-6	100	Eye Irritant – Category 2A (H319) Skin Irritant – Category 3 (H316)

See Section 16 for full text of GHS and EU Classifications.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of First Aid Measures

<b>Eye contact</b>	:	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 20 minutes, occasionally lifting upper and lower eyelids. Get medical attention if irritation persists.
<b>Skin contact</b>	:	In case of contact, immediately flush skin with plenty of water for at least 20 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly after handling. Get medical attention if irritation persists.
<b>Inhalation</b>	:	Call medical doctor or poison control center immediately. Move exposed person to fresh air. If not breathing, if breathing is irregular, or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing, such as a collar, tie, belt, or waistband. Get medical attention immediately.
<b>Ingestion</b>	:	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

See Section 11 for more detailed information on health effects.

### 4.2 Most important symptoms and effects, both acute and delayed

<b>Eye contact</b>	:	Causes serious eye irritation.
<b>Skin contact</b>	:	May cause mild skin irritation.
<b>Inhalation</b>	:	May cause minor respiratory tract irritation if inhaled.
<b>Ingestion</b>	:	No known significant effects or critical hazards.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	:	Immediate medical attention is generally not required.
Specific treatments	:	No specific treatment.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing Media

Suitable extinguishing media	:	Use dry chemical, alcohol foam, carbon dioxide (CO <sub>2</sub> ), or water spray.
Unsuitable extinguishing media	:	None known.

#### 5.2 Special hazards arising from the substance or mixture

Unusual fire and explosion hazards	:	None known.
Combustion products	:	Oxides of carbon; oxides of sulfur; oxides of nitrogen; toxic bromine fumes.

#### 5.3 Advice for fire-fighters

Special protective equipment for fire-fighters	:	Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals.
Special protective action for fire-fighters	:	Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment, and emergency procedures

For emergency responders	:	Wear appropriate protective equipment.
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#### 6.2 Environmental precautions

Environmental precautions	:	Prevent entry in storm sewers and waterways. Report spill as required by local and federal regulations.
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#### 6.3 Methods and materials for containment and cleaning up

For small and large spill	:	Stop spill at the source if it is safe to do so. Collect material in a manner that minimizes the generation of airborne dusts, and place in appropriate container for disposal.
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#### 6.4 Reference to other sections

Refer to Section 8 for personal protective equipment, and Section 13 for disposal information.

### SECTION 7: HANDLING and STORAGE

#### 7.1 Precautions for safe handling

Protective measures	:	Avoid eye and skin contact. Avoid breathing dusts. Wash thoroughly after handling. Remove contaminated clothing and launder before reuse.
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## 7.2 Conditions for safe storage, including any incompatibilities

Protect containers from physical damage. Store in a cool area. Keep away from excessive heat and open flames. Keep containers closed when not in use. Store away from bases. Empty containers retain product residues.

## 7.3 Specific end use(s)

**Industrial uses** : None identified.  
**Professional uses** : Histological stain.

# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1 Control parameters

Occupational exposure limits:  
None established.

## 8.2 Exposure controls

**Appropriate engineering controls** : Use with adequate local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

**Personal protective measures**

**Eye/face protection** : Wear safety glasses or chemical goggles.

**Skin protection** : Impervious clothing as needed to avoid skin contact.

**Hands** : Impervious gloves recommended (butyl rubber).

**Respiratory protection** : None needed with adequate ventilation. If the occupational exposure limit is exceeded, use an approved organic vapor respirator. Selection of respiratory protection depends on the contaminant type, form, and concentration. Select in accordance with OSHA 1910.134 or other applicable regulations and good industrial hygiene practice.

**Other protection** : Suitable washing facilities should be available.

# SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

## 9.1 Information on basic physical and chemical properties

**Appearance** : Red/brown solid

**Odor** : None

**Odor threshold** : Not applicable

**pH** : Not applicable

**Melting/freezing point** : Not available

**Boiling point** : Not available

**Flash point** : Not available

**Lower flammability limit** : Not available

**Upper flammability limit** : Not available

**Evaporation rate** : Not available

**Vapor density (air = 1)** : Not available

**Vapor pressure** : Not available

**Specific gravity (H<sub>2</sub>O = 1)** : Not applicable

**Relative density** : Not applicable

**Solubility** : Complete

**Octanol/water partition coefficient** : Not available

<b>Autoignition temperature</b>	: Not available
<b>Decomposition temperature</b>	: Not available
<b>Viscosity</b>	: Not available
<b>Explosive properties</b>	: Not explosive
<b>Oxidizing properties</b>	: None
<b>Molecular formula</b>	: Not available
<b>Molecular weight</b>	: Not available

## 9.2 Other information

No additional information available

## SECTION 10: STABILITY and REACTIVITY

<b>10.1 Reactivity</b>	: This material is not reactive under normal conditions.
<b>10.2 Chemical stability</b>	: Normally stable.
<b>10.3 Possibility of hazardous reactions</b>	: Not expected to be reactive.
<b>10.4 Conditions to avoid</b>	: Oxidizing agents.
<b>10.5 Incompatible materials</b>	: None known.
<b>10.6 Hazardous decomposition products</b>	: Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: oxides of carbon, sulfur, nitrogen, and toxic bromine fumes.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Potential health effects:

<b>Eye contact</b>	: Causes eye irritation with redness, pain, tearing, and swelling.
<b>Skin contact</b>	: May cause irritation with inflammation, itching, scaling, reddening, or occasional blistering.
<b>Inhalation</b>	: High dust concentrations may cause minor respiratory irritation with coughing and sneezing.
<b>Ingestion</b>	: Swallowing may cause gastrointestinal effects, including gastrointestinal irritation, nausea, and diarrhea.

#### Acute toxicity:

Product/ingredient name	Result	Species	Dose	Exposure
Eosin Y powder	LD50	Mouse	2,344 mg/kg	-

<b>Skin corrosion/irritation</b>	: No data available.
<b>Eye damage/irritation</b>	: No data available.
<b>Respiratory irritation</b>	: No data available.
<b>Respiratory sensitization</b>	: No data available.
<b>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.

#### Specific Target Organ Toxicity:

<b>Single exposure</b>	: None known.
<b>Repeat exposure</b>	: None known.

## SECTION 12: ECOLOGICAL INFORMATION

LeicaBiosystems.com

<b>12.1 Toxicity</b>	:	No data available.
<b>12.2 Persistence and degradability</b>	:	No data available.
<b>12.3 Bioaccumulative potential</b>	:	No data available.
<b>12.4 Mobility in soil</b>	:	No data available.
<b>12.5 Results of PVT and vPvB assessment</b>	:	No data available.
<b>12.6 Other adverse effects</b>	:	No data available.

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>13.1 Waste Treatment Methods</b>	:	The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
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## SECTION 14: TRANSPORTATION INFORMATION

	<b>14.1 UN Number</b>	<b>14.2 UN proper shipping name</b>	<b>14.3 Hazard class(es)</b>	<b>14.4 Packing group</b>	<b>14.5 Environmental hazards</b>
<b>US DOT</b>	Not regulated	-	-	-	-
<b>Canada TDG</b>	Not regulated	-	-	-	-
<b>EU ADR/RID</b>	Not regulated	-	-	-	-
<b>IMDG</b>	Not regulated	-	-	-	-
<b>IATA</b>	Not regulated	-	-	-	-

<b>14.6 Special precautions for user</b>	:	None.
<b>14.7 Transport in bulk according to Annex III MARPOL 73/78 and the IBC Code</b>	:	Not determined

## SECTION 15: REGULATORY INFORMATION

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

**US Regulations**

<b>OSHA hazard classification</b>	:	Irritant
<b>TSCA Inventory</b>	:	All of the components are listed on the TSCA Inventory.
<b>SARA 302</b>	:	This product does not contain chemicals regulated under SARA Section 302.
<b>SARA 311 Hazard Classification</b>	:	Acute health hazard.
<b>SARA 313</b>	:	This product does not contain chemicals that are regulated under SARA Title III, Section 313.
<b>CERCLA Section 103</b>	:	This product does not contain chemicals that are regulated under CERCLA.
<b>California Prop 65</b>	:	This product contains the following chemical(s) which are known to the state of California to cause cancer, reproductive toxicity, or birth defects: None known.

**SECTION 16: OTHER INFORMATION**

**Revision history** : Updated formatting

CLP/GHS Classification and H Phrases for Reference (See Section 3)

H316 Causes mild skin irritation.  
H319 Causes serious eye irritation.

<b>NFPA Rating</b>	Health: 2	Fire: 0	Instability: 0
<b>HMIS Rating</b>	Health: 2	Fire: 0	Physical Hazard: 0

**Notice to reader:**

This Safety Data Sheet (SDS) has been prepared in accordance with the Classification, Labelling, and Packaging (CLP) regulation in the EU and the Globally Harmonized System (GHS) (29CFR 1910.1200) in the US. It complies with the requirements of the Canadian Controlled Products Regulations. To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.