

# SAFETY DATA SHEET



Conforms to regulation (EC) no. EU 453/2010

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

### 1.1 Product Identifier

**Product Name:** Eosin Solution

**Product Number:** HS-402

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

Investigational research by professional users

### 1.3 Details of the Supplier of the Safety Data Sheet

#### Manufacturer

National Diagnostics  
305 Patton Drive  
Atlanta, GA 30036  
(404) 699-2121  
(800) 526-3867  
info@nationaldiagnostics.com

### 1.4 Emergency Telephone Number

#### ChemTel Inc.

Contract number MIS8894340  
1-800 255-3924 (United States, Canada, Puerto Rico & US Virgin Islands)  
01-800-099-0731 (Mexico)  
400-120-0751 (China)  
000-800-100-4086 (India)  
1-300-954-583 (Australia)  
0-800-591-6042 (Brazil)  
+1-813-255-3924 (All other regions)

## SECTION 2 - HAZARDS IDENTIFICATION

### 2.1 Classification of the Substance or Mixture

**Classification according to Regulation (EC) No. 1272/2008 [EU-GHS/CLP]**

H319 - Serious Eye Damage/Eye Irritation (Category 2A)

### 2.2 Label Elements

#### GHS LABEL ELEMENTS AND CLASSIFICATION

##### GHS Label Elements



#### WARNING

H319 - Causes serious eye irritation.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses if present and easy to do. Continue rinsing.

### 2.3 Other Hazards

None found.

## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixture

#### Chemical Names/Description

One percent aqueous Eosin Y solution.

#### Component List

Component	% Comp.	CAS #	EC #	1278/2008 Classification
Eosin Y	1	17372-87-1	241-409-6	H319

## SECTION 4 - FIRST AID MEASURES

### 4.1 Description of First Aid Measures

#### Inhalation

Remove to fresh air. If not breathing, give artificial respiration.

**Ingestion**

Call Poison Control immediately. Rinse mouth with cold water. Give victim 1-2 cups of water or milk to drink. Induce vomiting immediately.

**Skin**

Immediately flush skin with excess water for 15 minutes while removing contaminated clothing.

**Eyes**

Immediately flush eyes with excess water for 15 minutes, lifting lower and upper eyelids occasionally.

**4.2 Most Important Symptoms and Effects, Both Acute and Delayed****Inhalation**

No information found.

**Ingestion**

No information found.

**Skin**

No information found.

**Eyes**

No information found.

**4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed**

Unknown/not applicable

**SECTION 5 - FIRE FIGHTING MEASURES****5.1 Extinguishing media**

N.A.

**5.2 Special Hazards Arising from the Substance/Mixture****Hazardous Combustion Products**

N.A.

**Hazardous Decomposition Products**

N.A.

**Hazardous Polymerization**

N.A.

**5.3 Advice for Firefighters**

N.A.

**5.4 Further Information**

No data available.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES****6.1 Personal Precautions**

Use ventilation to keep airborne concentrations below exposure limits. Have approved eyewash facility, safety shower and fire extinguishers readily available. Wear chemical splash goggles and chemical resistant clothing such as gloves and aprons. Wash hands thoroughly after handling material and before eating or drinking.

**6.2 Environmental Precautions**

Prevent discharge into the environment. Dike spills and stop leakage where practical. Do not allow material to enter drains.

**6.3 Methods and Materials for Containment and Cleaning Up**

N.A.

**6.4 References to Other Sections**

For disposal information, see Section 13. For protective clothing and equipment, see Section 8.

**SECTION 7 - HANDLING AND STORAGE****7.1 Precautions for Safe Handling**

Use with adequate ventilation and do not breathe dust or vapor. Avoid contact with skin, eyes or clothing. Wash hands thoroughly after handling.

**7.2 Conditions for Safe Storage (including any incompatibles)**

Store in general storage area (green storage) with other items with no specific storage hazards. Store in a cool, dry, well-ventilated locked store room away from incompatible materials.

## Incompatibles

No information found.

## 7.3 Specific End Uses

Investigational research by professional users

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PRECAUTIONS

### 8.1 Control Parameters

ACGIH Threshold Limit Value (TLV): None established

OSHA Permissible Exposure Limit (PEL): None established

### 8.2 Exposure Controls

#### Engineering Controls

N.A.

#### Respiratory Protection

N.A.

#### Eye Protection

N.A.

#### Skin Protection

N.A.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on Basic Physical & Chemical Properties

a. Appearance	Clear red solution	b. Odor	Odorless
c. Odor Threshold	N.A.	d. pH	N.A.
e. Melting/Freezing Point (°C)	0	f. Boiling point (°C)	100
g. Flash Point (°C)	N.A.	h. Evaporation Rate	N.A.
i. Flammability	N.A.	j. Upper/Lower Flammability or Explosive Limits	N.A.
k. Vapor Pressure	N.A.	l. Vapor Density (Air = 1)	N.A.
m. Relative Density	1 g/mL @ 20 C	n. Water Solubility	Soluble in water
o. Partition Coefficient n-octanol/water	Mixture	p. Autoignition Temperature (°C)	N.A.
q. Decomposition Temperature (°C)	N.A.	r. Viscosity	N.A.
s. Explosive Properties	N.A.	t. Oxidizing Properties	not an oxidizer

## SECTION 10 - STABILITY AND REACTIVITY

### 10.1 Reactivity

Not reactive under normal conditions of use and storage.

### 10.2 Chemical Stability

Stable under recommended conditions of storage.

### 10.3 Possibility of Hazardous Reactions

N.A.

### 10.4 Conditions to Avoid

N.A.

### 10.5 Incompatible Materials

No information found.

### 10.6 Hazardous Decomposition Products

N.A.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Product LD50 Values

Oral Rat LD50 (mg/kg)

Dermal Rabbit LD50 (mg/kg)

### Component Cancer List Status

	NTP Carcinogen		IARC Category
	Known	Anticipated	
Eosin Y	No	No	N.A.

**Potential Health Effects**

**Inhalation**

No information found.

**Ingestion**

No information found.

**Skin**

No information found.

**Eyes**

No information found.

**Carcinogenicity**

No information found.

**Mutagenicity**

No information found.

**Reproductive Toxicity**

No information found.

**Teratogenic Effects**

No information found.

**Routes of Entry**

No information found.

**Target Organ Statement**

No information found.

**SECTION 12 - ECOLOGICAL INFORMATION**

**12.1 Toxicity**

	Vertebrates	Invertebrates	Algae	Microorganisms
Aquatic Toxicity (ppm unless otherwise noted)	No data	No data	No data	No data
	Birds	Arthropods	Plants	Microorganisms
Terrestrial Environment Toxicity (ppm unless otherwise noted)	No data	No data	No data	No data

**12.2 Persistence and Degradability**

No data

**12.3 Bioaccumulative Potential**

No data

**12.4 Mobility in Soil**

No data

**12.5 Results of PBT and vPvB Assessment**

No data

**12.6 Other Adverse Effects**

None

**SECTION 13 - DISPOSAL CONSIDERATIONS**

**13.1 Waste Treatment Methods**

Offer surplus or non-recyclable product to licensed disposal company. Disposal is subject to user compliance with applicable law and product characteristics at time of disposal. Dispose of packaging as product.

**SECTION 14 - TRANSPORT INFORMATION**

	ADR/RID	IATA	IMO	DOT
14.1 UN Number	N.A.	N.A.	N.A.	N.A.

14.2 Shipping Name	N.A.	N.A.	N.A.	N.A.
14.3 Hazard Class	N.A.	N.A.	N.A.	N.A.
14.4 Packing Group	N.A.	N.A.	N.A.	N.A.
14.5 Environmental Hazards	N.A.	N.A.	N.A.	N.A.
14.6 Special Precautions	N.A.	N.A.	N.A.	N.A.

## SECTION 15 - REGULATORY INFORMATION

### 15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance/Mixture United States

#### TSCA Regulatory Statement

All components are listed or are exempt.

#### SARA 311/312 Hazard Categories

Component	Fire	Pressure	Reactivity	Acute	Chronic
Eosin Y	No	No	No	No	No

### Europe

#### EEC Regulatory

Not listed.

## SECTION 16 - OTHER INFORMATION

### Revisional Updates

4/26/2019 - Updated Section 1.4

5/29/2015 - Updated Sections 2.1 and 3.2

12/6/2013 - Released Version 1.0

### NFPA Codes

Health 0 Flammability 0 Reactivity 0

### Dangers

#### Eosin Y

H319 - Causes serious eye irritation.

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