

# SAFETY DATA SHEET FOR CHEMICAL PRODUCTS



Product name: HistoCore SPIRIT Eosin  
Revision date: 03/10/2021

Compiled according to GB/T 16483, GB/T 17519

## SECTION 1 Chemical product and company identification

<b>Chemical name (Chinese Name)</b>	:	HistoCore SPIRIT Eosin
<b>Chemical name (English name)</b>	:	HistoCore SPIRIT Eosin
<b>Name of company</b>	:	Leica Biosystems Richmond, Inc
Address	:	USA, Richmond, IL, 5205 Route 12
Zip code	:	60071
Tel.	:	844-534-2262
E-mail	:	LBSNA-LBS-QA@leicabiosystems.com
Website	:	leicabiosystems.com
<b>Recommended uses and restrictions</b>	:	H&E Staining System optimized for use on Leica HistoCore SPIRIT ST Stainer Other uses

## SECTION 2 Hazards identification

### GHS classification

Physical hazards : Flammable liquids Category 1  
Other hazards than mentioned above are Not applicable or No data available.

### Label elements

Hazard pictograms (GHS-CN) :



Signal word (GHS-CN) : Danger.  
Hazard statements (GHS-CN) : H224 - Extremely flammable liquid and vapor.

### Precautionary statements (GHS-CN)

Prevention precautionary statements : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking, P233 - Keep container tightly closed, P240 - Ground/bond container and receiving equipment, P241 - Use explosion-proof equipment, P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
Response Precautionary Statements : P370+P378 - In case of fire: Use dry chemical, foam, or water spray for extinction.  
Storage precautionary statements : P403+P235 - Store in a well-ventilated place. Keep cool.  
Disposal precautionary statements : P501 - Dispose of contents/container in accordance with all local/regional/national/international regulations.

### Additional information

Physical and chemical hazards : Extremely flammable liquid and vapor  
Health hazard : Serious damage to eyes - Irritation

Environmental hazards : No additional information available  
Other hazards : No additional information available

### SECTION 3 Composition/information on ingredients

**Product form** : Mixture.

This mixture does not contain any substance to be mentioned according to the criteria of section 3 of GB/T 17519-2013

### SECTION 4 First aid measures

#### <Missing Translation : Emergency />

First-aid measures general : IF exposed or concerned: Get medical advice/attention.  
Call a poison center/doctor/physician if you feel unwell

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing

First-aid measures after skin contact : Rinse skin with water/shower.  
Remove/Take off immediately all contaminated clothing.  
If skin irritation occurs: Get medical advice/attention

First-aid measures after eye contact : Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
Call a physician immediately

First-aid measures after ingestion : Rinse mouth.  
Call a poison center/doctor/physician if you feel unwell

#### Most Important Symptoms/Effects

Serious damage to eyes  
Irritation

#### Personal Protection in First Aid and Measures

No additional information available

#### Notes for the doctor

Other medical advice or treatment : Treat symptomatically

### SECTION 5 Fire fighting measures

#### Extinguishing media

Suitable extinguishing media : Water spray  
Dry powder  
Foam  
Carbon dioxide

Unsuitable extinguishing media : No additional information available

#### Special hazard

Fire hazard : Highly flammable liquid and vapor  
Hazardous decomposition : Toxic fumes may be released

products in case of fire

**Advice for firefighters and protective measures**

- Firefighting instructions : No additional information available
- Protection during firefighting : Do not attempt to take action without suitable protective equipment  
Self-contained breathing apparatus  
Complete protective clothing

## **SECTION 6 Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

- General measures : No additional information available
- Personal Precautions, Protective Equipment and Emergency Procedures : No additional information available

**For non-emergency personnel**

- Emergency procedures : No open flames, no sparks, and no smoking  
Only qualified personnel equipped with suitable protective equipment may intervene  
Do not breathe mist/vapours/spray.

**For emergency responders**

- Protective equipment : Do not attempt to take action without suitable protective equipment  
For further information refer to section 8: "Exposure controls/personal protection"

- Environmental precautions** : Avoid release to the environment  
Notify authorities if product enters sewers or public waters

**Methods and Equipment for Containment and Cleaning up**

- Methods for cleaning : No additional information available
- : No additional information available
- For containment : No additional information available

**Prevention Measures for Secondary Accidents**

- Prevention Measures for Secondary Accidents : No additional information available
- Other information : Dispose of materials or solid residues at an authorized site

## **SECTION 7 Handling and storage**

**Handling**

- Precautions for safe handling : Ensure good ventilation of the work station  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
Ground/bond container and receiving equipment  
Use only non-sparking tools

		Take precautionary measures against static discharge Flammable vapors may accumulate in the container Use explosion-proof equipment Wear personal protective equipment Obtain special instructions before use Do not handle until all safety precautions have been read and understood Take all necessary technical measures to avoid or minimize the release of the product on the workplace Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers Provide local exhaust or general room ventilation Floors, walls and other surfaces in the hazard area must be cleaned regularly Do not breathe mist/vapours/spray. Avoid contact with skin and eyes
Hygiene measures	:	Separate working clothes from town clothes. Launder separately Wash contaminated clothing before reuse Do not eat, drink or smoke when using this product Always wash hands after handling the product
Local and general ventilation	:	No additional information available
<b>Storage</b>		
Storage conditions	:	Store in a well-ventilated place Keep cool Keep container tightly closed Store locked up
Technical measures	:	Ground/bond container and receiving equipment
Material used in packaging/containers	:	No additional information available

## SECTION 8 Exposure controls / Personal protection equipment

### Occupational Exposure Limits

No additional information available

### Biological limit values

No additional information available

### Monitoring methods

No additional information available

**Appropriate engineering controls** : Ensure good ventilation of the work station

### Personal protective equipment

Environmental exposure controls : Avoid release to the environment

Hand protection : Protective gloves

Eye protection : Safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Wear respiratory protection

## SECTION 9 Physical and chemical properties

<b>Physical state</b>	: Liquid
<b>Appearance</b>	: No data available
<b>Color</b>	: orange
<b>Odor</b>	: Alcohol odour
<b>pH</b>	: 4 - 5
<b>Melting point</b>	: Not applicable
<b>Freezing point</b>	: No data available
<b>Boiling point</b>	: No data available
<b>Flash point</b>	: 65 °F <Missing Translation : /18 °C />
<b>Auto-ignition temperature</b>	: No data available
<b>Decomposition temperature</b>	: No data available
<b>Flammability (solid, gas)</b>	: Not applicable
<b>Vapor pressure</b>	: No data available
<b>Relative vapor density at 20 °C</b>	: No data available
<b>Specific gravity / density</b>	: 0.85
<b>Solubility</b>	: No data available
<b>Log Pow</b>	: No data available
<b>LEL</b>	: No data available
<b>UEL</b>	: No data available
<b>Radioactive</b>	: No

## SECTION 10 Stability and reactivity

<b>Reactivity</b>	: Highly flammable liquid and vapor
<b>Chemical stability</b>	: Stable under normal conditions
<b>Possibility of hazardous reactions</b>	: No dangerous reactions known under normal conditions of use
<b>Conditions to avoid</b>	: Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition
<b>Incompatible materials</b>	: No additional information available
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced
<b>Other properties</b>	: No additional information available

## SECTION 11 Toxicological information

<b>Acute toxicity</b>	
Acute toxicity (oral)	: No data available
Acute toxicity (dermal)	: No data available
Acute toxicity (inhalation)	: No data available
<b>Skin corrosion/irritation</b>	
Skin corrosion/irritation	: No data available

pH : 4 - 5

**Serious eye damage/irritation**

Serious eye damage/irritation : No data available

**Respiratory or skin sensitization**

Respiratory or skin sensitization : No data available

**Germ cell mutagenicity**

Germ cell mutagenicity : No data available

**Carcinogenicity**

Carcinogenicity : No data available

**Reproductive toxicity**

Reproductive toxicity : No data available

**Specific target organ toxicity – single exposure**

Specific target organ toxicity – single exposure : No data available

**Specific target organ toxicity – repeated exposure**

Specific target organ toxicity – repeated exposure : No data available

**Aspiration hazard**

Aspiration hazard : No data available

HistoCore SPIRIT Eosin	
Specific gravity / density	0.85

## SECTION 12 Ecological information

**Ecotoxicity**

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

Aquatic acute : No data available

Aquatic chronic : No data available

No additional information available

**Persistence and degradability**

No additional information available

**Bioaccumulative potential**

No additional information available

**Mobility in soil**

No additional information available

**Other adverse effects**

Classification procedure (Ozone) : No data available

## SECTION 13 Disposal considerations

**Waste treatment methods** : Dispose of contents/container in accordance with licensed collector's sorting instructions.

**Contaminated container and packaging** : No additional information available

**Additional information** : No additional information available

## SECTION 14 Transport information

### UN number

UN-No. (UN RTDG) : Not applicable  
UN-No. (IMDG) : 1987  
UN-No. (IATA) : 1987  
UN-No. (ADN) : 1987  
UN-No. (RID) : 1987

### Proper Shipping Name

Proper Shipping Name (UN RTDG) : Not applicable  
Proper Shipping Name (IMDG) : ALCOHOLS, N.O.S. (Ethanol, Methanol)  
Proper Shipping Name (IATA) : Alcohols, n.o.s. (Ethanol, Methanol)  
Proper Shipping Name (ADN) : Alcohols, n.o.s. (Ethanol, Methanol)  
Proper Shipping Name (RID) : Alcohols, n.o.s. (Ethanol, Methanol)

### Transport hazard class(es)

Overland transport  
Transport hazard class(es) (UN RTDG) : Not applicable

Transport by sea  
Transport hazard class(es) (IMDG) : 3  
Hazard labels (IMDG) : 3.



Class (IMDG) : 3.

### Air transport

Transport hazard class(es) (IATA) : 3  
Hazard labels (IATA) : 3.



Class (IATA) : 3.

### Inland waterway transport

Transport hazard class(es) (ADN) : 3  
Hazard labels (ADN) : 3.



Class (ADN) : 3.  
Rail transport  
Transport hazard class(es) (RID) : 3  
Hazard labels (RID) : 3.



Class (RID) : 3.

#### **Packing group**

Packing group (UN RTDG) : Not applicable  
Packing group (IMDG) : II - substances presenting medium danger  
Packing group (IATA) : II - Medium Danger  
Packing group (ADN) : II - Substances presenting medium danger  
Packing group (RID) : II - Substances presenting medium danger

#### **Marine pollutant (IMDG)**

Dangerous for the environment : No  
Marine pollutant : No  
Other information : No supplementary information available.

#### **Special transport precautions**

Overland transport

No data available

Transport by sea

Special provision (IMDG) : 274.  
Limited quantities (IMDG) : 1 L.  
Excepted quantities (IMDG) : E2.  
Packing instructions (IMDG) : P001.  
IBC packing instructions (IMDG) : IBC02.  
Tank instructions (IMDG) : T7.  
Tank special provisions (IMDG) : TP1, TP8, TP28.  
Stowage category (IMDG) : B.

Air transport

PCA Excepted quantities (IATA) : E2.  
PCA Limited quantities (IATA) : Y341.  
PCA limited quantity max net quantity (IATA) : 1L.  
PCA packing instructions (IATA) : 353.  
PCA max net quantity (IATA) : 5L.  
CAO packing instructions (IATA) : 364.  
CAO max net quantity (IATA) : 60L.  
Special provision (IATA) : A3, A180.  
ERG code (IATA) : 3L.

Inland waterway transport

No data available

Rail transport

No data available

## **SECTION 15 Regulatory information**



## **SECTION 16 Other information**

SDS CN (GB/T 17519-2013)

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