

SAFETY DATA SHEET



Product name: HistoCore SPIRIT Hematoxylin Compiled according to GB/T 16483, GB/T 17519
Revision date: 03/10/2021

SECTION 1 Chemical product and company identification

Chemical name (Chinese Name) : HistoCore SPIRIT Hematoxylin
Chemical name (English name) : HistoCore SPIRIT Hematoxylin
Name of company : 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
Recommended uses and restrictions : H&E Staining system optimized for use on Leica HistoCore SPIRIT ST Stainer
Other uses

SECTION 2 Hazards identification

GHS classification

Health hazards : Skin corrosion/irritation Category 2
: Serious eye damage/eye irritation 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) : H315 - Causes skin irritation, H318 - Causes serious eye damage.

Precautionary statements (GHS-CN)

Prevention precautionary statements : P264 - Wash thoroughly after handling, P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Response Precautionary Statements : P302+P352 - IF ON SKIN: Wash with plenty of soap and water, P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing, P310 - Immediately call a poison center or doctor/physician, P321 - Specific treatment (see ... on this label), P332+P313 - If skin irritation occurs: Get medical advice/attention, P362+P364 - Take off contaminated clothing and wash it before reuse.

Additional information

Physical and chemical hazards : No additional information available

Health hazard : Causes skin irritation - Causes serious eye damage - 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.

Name	CAS No	Concentration(%)
Aluminum Sulfate	10043-01-3	< 5

SECTION 4 First aid measures

First-aid measures general : 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 : Wash skin with plenty of water.
Take off 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

Hazardous decomposition products in case of fire : Toxic fumes may be released

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 : Ventilate spillage area
Avoid contact with skin and eyes

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

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
Avoid contact with skin and eyes
Wear personal protective equipment
- Hygiene measures : 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

Storage

Storage conditions	:	Store in a well-ventilated place Keep cool
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	:	In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9 Physical and chemical properties

Physical state	:	Liquid
Appearance	:	No data available
Color	:	dark red
Odor	:	odorless
pH	:	2 - 3
Melting point	:	Not applicable
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	≥ 212
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Not applicable
Vapor pressure	:	No data available
Relative vapor density at 20 °C	:	No data available
Specific gravity / density	:	1.06
Solubility	:	No data available
Log Pow	:	No data available
LEL	:	No data available

UEL : No data available
Radioactive : No

SECTION 10 Stability and reactivity

Reactivity : The product is non-reactive under normal conditions of use, storage and transport
Chemical stability : Stable under normal conditions
Possibility of hazardous reactions : No dangerous reactions known under normal conditions of use
Conditions to avoid : None under recommended storage and handling conditions (see section 7)
Incompatible materials : No additional information available
Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced
Other properties : No additional information available

SECTION 11 Toxicological information

Acute toxicity

Acute toxicity (oral) : No data available
Acute toxicity (dermal) : No data available
Acute toxicity (inhalation) : No data available

Skin corrosion/irritation

Skin corrosion/irritation : Causes skin irritation.
pH : 2 - 3

Serious eye damage/irritation

Serious eye damage/irritation : Causes serious eye damage.

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 Hematoxylin	
Specific gravity / density	1.06

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

Aluminum Sulfate	
LC50 fish 1	214.6 - 228.5 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Pimephales promelas; Flow-through system; Fresh water; Experimental value)
EC50 Daphnia 1	242 mg/l (LC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
BCF fish 1	76 - 190 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 60 days; Salmo salar; Flow-through system; Fresh water; Experimental value)

Persistence and degradability

Aluminum Sulfate	
Persistence and degradability	Biodegradability: not applicable Hydrolysis in water

Bioaccumulative potential

Aluminum Sulfate	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500)
BCF fish 1	See section 12.1 on ecotoxicology

Mobility in soil

Aluminum Sulfate	
Ecology - soil	Low potential for bioaccumulation (BCF < 500)

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

Proper Shipping Name

Proper Shipping Name (UN RTDG) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable
Proper Shipping Name (RID) : Not applicable

Transport hazard class(es)

Overland transport
Transport hazard class(es) (UN RTDG) : Not applicable
Transport by sea
Transport hazard class(es) (IMDG) : Not applicable
Air transport
Transport hazard class(es) (IATA) : Not applicable
Inland waterway transport
Transport hazard class(es) (ADN) : Not applicable
Rail transport
Transport hazard class(es) (RID) : Not applicable

Packing group

Packing group (UN RTDG) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

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
No data available
Air transport
No data available
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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