

# SAFETY DATA SHEET



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

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

## SECTION 1 Chemical product and company identification

**Chemical name (Chinese Name)** : HistoCore SPIRIT Differentiator  
**Chemical name (English name)** : HistoCore SPIRIT Differentiator  
**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

Physical hazards : Flammable liquids Not classified  
Health hazards : Skin corrosion/irritation Category 2  
: Serious eye damage/eye irritation Category 2A

Other hazards than mentioned above are Not applicable or No data available.

### Label elements

Hazard pictograms (GHS-CN) :



Signal word (GHS-CN) : Warning.  
Hazard statements (GHS-CN) : H315 - Causes skin irritation, H319 - Causes serious eye irritation.

### 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, P321 - Specific treatment (see ... on this label), P332+P313 - If skin irritation occurs: Get medical advice/attention, P337+P313 - If eye irritation persists: Get medical advice/attention, P362+P364 - Take off contaminated clothing and wash it before reuse.

### Additional information

Physical and chemical : No additional information available

hazards

- Health hazard : Causes skin irritation - Causes serious eye irritation - 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 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 eyes with water as a precaution
- First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell

**Most Important Symptoms/Effects**

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** : Colorless

**Odor** : odorless

**pH** : 2.2 - 3

**Melting point** : Not applicable

**Freezing point** : No data available

**Boiling point** : No data available

**Flash point** : <Missing Translation : Not applicable />

**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

**Solubility** : No data available

**Log Pow** : No data available

**LEL** : No data available

**UEL** : No data available

**Radioactive** : No

## SECTION 10 Stability and reactivity

<b>Reactivity</b>	:	The product is non-reactive under normal conditions of use, storage and transport
<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>	:	None under recommended storage and handling conditions (see section 7)
<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

### 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	:	2.2 - 3

### Serious eye damage/irritation

Serious eye damage/irritation	:	Causes serious eye irritation.
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### Respiratory or skin sensitization

Respiratory or skin sensitization	:	No data available
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### Germ cell mutagenicity

Germ cell mutagenicity	:	No data available
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### Carcinogenicity

Carcinogenicity	:	No data available
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### Reproductive toxicity

Reproductive toxicity	:	No data available
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### Specific target organ toxicity – single exposure

Specific target organ toxicity – single exposure	:	No data available
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### Specific target organ toxicity – repeated exposure

Specific target organ toxicity – repeated exposure	:	No data available
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repeated exposure

**Aspiration hazard**

Aspiration hazard : No data available

HistoCore SPIRIT Differentiator	
Specific gravity / density	1

## 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) : 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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