

SAFETY DATA SHEETS

# Xenium In Situ Reagent Kits

Xenium Cell Segmentation Staining Reagents, 8 rxns PN-1000638

Xenium Cell Segmentation Staining Reagents, 2 rxns PN-1000661

REAGENTS	PN
Xenium Multi-Tissue Stain Mix	2000991
Xenium Block and Stain Buffer	2001083
Xenium Stain Enhancer	2000992

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixtures  
Trade name : Xenium Multi-Tissue Stain Mix  
Product code : 2000991

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Reagent

#### 1.3. Supplier

**Manufacturer/Supplier:**

10x Genomics  
6230 Stoneridge Mall Road Pleasanton,  
CA 94588-3260  
T: +1 925 401 7300  
E: info@10xgenomics.com

#### 1.4. Emergency telephone number

Emergency number : +1 925 401 7300

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

**GHS US classification**

Not classified

#### 2.2. GHS Label elements, including precautionary statements

**GHS US labeling**

No labeling applicable

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of HazCom 2012

# Xenium Multi-Tissue Stain Mix

## Safety Data Sheet

according to US HazCom 2012

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.
First-aid measures after skin contact	: Wash with water and soap as a precaution. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse eyes with water as a precaution. Seek medical attention if ill effect or irritation develops.
First-aid measures after ingestion	: Rinse mouth out with water. Do not induce vomiting. If you feel unwell, seek medical advice.

#### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects	: No adverse effects expected. In case of eye contact: Dust may cause mechanical irritation. May cause slight temporary irritation.
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#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media	: None known.

#### 5.2. Specific hazards arising from the chemical

Fire hazard	: The product is not flammable. Does not sustain combustion. In the event of fire, may decompose : Carbon oxides (CO, CO <sub>2</sub> ).
Explosion hazard	: No hazard identified.
Hazardous decomposition products in case of fire	: Thermal decomposition can lead to the release of irritating gases and vapors.

#### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Fight fire with normal precautions from a reasonable distance.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment.

### SECTION 6: Accidental release measures

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

General measures	: No special requirements.
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##### 6.1.1. For non-emergency personnel

Protective equipment	: No special protection required.
Emergency procedures	: No additional risk management measures required.

##### 6.1.2. For emergency responders

Protective equipment	: No special protection required.
Emergency procedures	: No additional risk management measures required.

#### 6.2. Environmental precautions

No special environmental precautions required.

#### 6.3. Methods and material for containment and cleaning up

For containment	: Contain and collect as any solid.
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# Xenium Multi-Tissue Stain Mix

## Safety Data Sheet

according to US HazCom 2012

Methods for cleaning up : Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal.  
Other information : Dispose in a safe manner in accordance with local/national regulations.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of residues refer to section 13 : "Disposal considerations".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : No special handling advices are necessary.  
Hygiene measures : Use good personal hygiene practices.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.  
Incompatible materials : Oxidizing materials.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Visium Human Immune Cell Profiling Panel for FFPE

No additional information available

### 8.2. Appropriate engineering controls

Appropriate engineering controls : No special requirements.

### 8.3. Individual protection measures/Personal protective equipment

Hand protection:

In case of repeated or prolonged exposure : Wear suitable gloves resistant to chemical penetration. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer

Eye protection:

If there is a risk of eye contact: Safety glasses with side shields

#### Other information:

Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Solid  
Appearance : Powder.  
Color : White  
Odor : odorless  
Odor threshold : No data available  
pH : No data available  
Melting point : No data available  
Freezing point : No data available  
Boiling point : No data available

# Xenium Multi-Tissue Stain Mix

## Safety Data Sheet

according to US HazCom 2012

Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

Oxidizing materials.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition may produce : Carbon oxides (CO, CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitization	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)

# Xenium Multi-Tissue Stain Mix

## Safety Data Sheet

according to US HazCom 2012

Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
Viscosity, kinematic	: No data available
Symptoms/effects	: No adverse effects expected. In case of eye contact: Dust may cause mechanical irritation. May cause slight temporary irritation.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : This material has not been tested for environmental effects.

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose of in accordance with relevant local regulations.

## SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
<b>14.1. UN number</b>			
Not regulated for transport			
<b>14.2. Proper Shipping Name</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>			
Not applicable	Not applicable	Not applicable	Not applicable

# Xenium Multi-Tissue Stain Mix

## Safety Data Sheet

according to US HazCom 2012

DOT	TDG	IMDG	IATA
No supplementary information available			

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

No additional information available

#### 15.2. International regulations

##### CANADA

No additional information available

##### EU-Regulations

No additional information available

##### National regulations

No additional information available

#### 15.3. US State regulations

No additional information available

### SECTION 16: Other information

according to US HazCom 2012

Revision date : 6 June 2022

Other information : None.

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixtures  
Trade name : Xenium Blocking and Staining Buffer (2 rxns)  
Product code : 2001083

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Reagent

#### 1.3. Supplier

10x Genomics  
6230 Stoneridge Mall Road Pleasanton,  
CA 94588-3260  
T: +1 925 401 7300  
E: info@10xgenomics.com

#### 1.4. Emergency telephone number

Emergency number : +1 925 401 7300

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Not classified

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

No labeling applicable

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

No additional information available

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of HazCom 2012

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice (show the label where possible).  
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash with water and soap as a precaution. If skin irritation occurs: Get medical advice/attention.  
First-aid measures after eye contact : Rinse eyes with water as a precaution. Seek medical attention if ill effect or irritation develops.  
First-aid measures after ingestion : Rinse mouth out with water. Do not induce vomiting. If you feel unwell, seek medical advice.



# Xenium Blocking and Staining Buffer

## Safety Data Sheet

according to US HazCom 2012

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects : Not expected to present a significant inhalation hazard under anticipated conditions of normal use. Normal use of this product shall imply use in accordance with the instructions on the packaging.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.  
Unsuitable extinguishing media : None known.

### 5.2. Specific hazards arising from the chemical

Fire hazard : The product is not flammable.  
Explosion hazard : No hazard identified.  
Hazardous decomposition products in case of fire : Thermal decomposition may produce : Carbon oxides (CO, CO<sub>2</sub>). Sulphur oxides. Sodium oxides (NaOx). Phosphorous oxide.

### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire with normal precautions from a reasonable distance.  
Protection during firefighting : Do not attempt to take action without suitable protective equipment.

## SECTION 6: Accidental release measures

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

General measures : No special requirements.

#### 6.1.1. For non-emergency personnel

Protective equipment : No special protection required.  
Emergency procedures : No additional risk management measures required.

#### 6.1.2. For emergency responders

Protective equipment : No special protection required.  
Emergency procedures : No additional risk management measures required.

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

For containment : Absorb spillage to prevent material-damage.  
Methods for cleaning up : Wipe up with absorbent material (for example cloth).  
Other information : Dispose in a safe manner in accordance with local/national regulations.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of residues refer to section 13 : "Disposal considerations".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : No special handling advices are necessary.

# Xenium Blocking and Staining Buffer

## Safety Data Sheet

according to US HazCom 2012

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Use good personal hygiene practices.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Follow label instructions. Avoid high temperatures. Protect from freezing.  
Incompatible materials : None known.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Xenium Blocking/ Staining Buffer

No additional information available

#### Monitoring methods

Monitoring methods	No additional information available.
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### 8.2. Appropriate engineering controls

Appropriate engineering controls : No special requirements. None in normal use conditions. Normal use of this product shall imply use in accordance with the instructions on the packaging.

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

No special protection required.

#### Other information:

Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear.
Color	: Colorless
Odor	: Odorless
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

# Xenium Blocking and Staining Buffer

## Safety Data Sheet

according to US HazCom 2012

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition may produce : Carbon oxides (CO, CO<sub>2</sub>). Sulphur oxides. Sodium oxides (NaOx). Phosphorous oxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitization	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
Viscosity, kinematic	: No data available
Symptoms/effects	: Not expected to present a significant inhalation hazard under anticipated conditions of normal use. Normal use of this product shall imply use in accordance with the instructions on the packaging.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : This material has not been tested for environmental effects.

### 12.2. Persistence and degradability

No additional information available

# Xenium Blocking and Staining Buffer

## Safety Data Sheet

according to US HazCom 2012

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
<b>14.1. UN number</b>			
Not regulated for transport			
<b>14.2. Proper Shipping Name</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.4. Packing group</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			

### 14.6. Special precautions for user

**DOT**  
Not regulated

**TDG**  
Not regulated

**IMDG**  
Not regulated

**IATA**  
Not regulated

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

# Xenium Blocking and Staining Buffer

## Safety Data Sheet

according to US HazCom 2012

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

Disodium orthophosphate heptahydrate	CAS-No. 7782-85-6
DNA oligo	CAS-No. Not assigned

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

#### 15.2. International regulations

##### Water (7732-18-5)

Listed on the NCI (Vietnam - National Chemical Inventory)  
Listed on TECI (Thailand Existing Chemicals Inventory)

##### Disodium orthophosphate heptahydrate (7782-85-6)

Listed on the NCI (Vietnam - National Chemical Inventory)

##### Dextran, hydrogen sulfate, sodium salt (9011-18-1)

Listed on the NCI (Vietnam - National Chemical Inventory)

##### Albumins, blood serum (9048-46-8)

Listed on the NCI (Vietnam - National Chemical Inventory)

#### 15.3. US State regulations

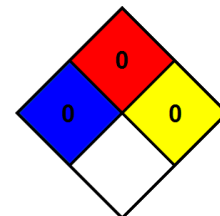
California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

### SECTION 16: Other information

according to US HazCom 2012

Revision date : 13 October 2023  
Other information : None.

NFPA health hazard : 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.  
NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.  
NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.  
NFPA specific hazard : None



Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixtures  
Trade name : Xenium Stain Enhancer  
Product code : 2000992

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Reagent

#### 1.3. Supplier

10x Genomics  
6230 Stoneridge Mall Road Pleasanton,  
CA 94588-3260  
T: +1 925 401 7300  
E: info@10xgenomics.com

#### 1.4. Emergency telephone number

Emergency number : +1 925 401 7300

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Not classified

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

No labeling applicable

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

No additional information available

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	GHS US classification
Proprietary ester	CAS-No.: Proprietary	3 - 7	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

# Xenium Stain Enhancer

## Safety Data Sheet

according to US HazCom 2012

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash with water and soap as a precaution. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse eyes with water as a precaution. Seek medical attention if ill effect or irritation develops.
First-aid measures after ingestion	: Rinse mouth out with water. Do not induce vomiting. If you feel unwell, seek medical advice.

#### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects	: Not expected to present a significant inhalation hazard under anticipated conditions of normal use. Normal use of this product shall imply use in accordance with the instructions on the packaging.
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#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media	: None known.

#### 5.2. Specific hazards arising from the chemical

Fire hazard	: The product is not flammable.
Explosion hazard	: No hazard identified.
Hazardous decomposition products in case of fire	: Thermal decomposition may produce : Carbon oxides (CO, CO <sub>2</sub> ). Sulphur oxides.

#### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Fight fire with normal precautions from a reasonable distance.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment.

### SECTION 6: Accidental release measures

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

General measures	: No special requirements.
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##### 6.1.1. For non-emergency personnel

Protective equipment	: No special protection required.
Emergency procedures	: No additional risk management measures required.

##### 6.1.2. For emergency responders

Protective equipment	: No special protection required.
Emergency procedures	: No additional risk management measures required.

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

For containment	: Absorb spillage to prevent material-damage.
Methods for cleaning up	: Wipe up with absorbent material (for example cloth).
Other information	: Dispose in a safe manner in accordance with local/national regulations.

#### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of residues refer to section 13: "Disposal considerations".

# Xenium Stain Enhancer

## Safety Data Sheet

according to US HazCom 2012

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : No special handling advices are necessary.  
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Use good personal hygiene practices.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Follow label instructions. Avoid high temperatures. Protect from freezing.  
Incompatible materials : None known.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Xenium Stain Enhancer

No additional information available

##### Monitoring methods

Monitoring methods	No additional information available.
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#### 8.2. Appropriate engineering controls

Appropriate engineering controls : No special requirements. None in normal use conditions. Normal use of this product shall imply use in accordance with the instructions on the packaging.

#### 8.3. Individual protection measures/Personal protective equipment

##### Personal protective equipment:

No special protection required.

##### Other information:

Do not eat, drink or smoke when using this product.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear.
Color	: Colorless
Odor	: Odorless
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available



# Xenium Stain Enhancer

## Safety Data Sheet

according to US HazCom 2012

Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition may produce : Carbon oxides (CO, CO<sub>2</sub>). Sulphur oxides.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitization	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)

#### Proprietary ester (Proprietary)

STOT-single exposure	May cause respiratory irritation.
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STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
Viscosity, kinematic	: No data available
Symptoms/effects	: Not expected to present a significant inhalation hazard under anticipated conditions of normal use. Normal use of this product shall imply use in accordance with the instructions on the packaging.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.

# Xenium Stain Enhancer

## Safety Data Sheet

according to US HazCom 2012

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : This material has not been tested for environmental effects.

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Other information : Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

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

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
<b>14.1. UN number</b>			
Not regulated for transport			
<b>14.2. Proper Shipping Name</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.4. Packing group</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			

#### 14.6. Special precautions for user

##### DOT

Not regulated

##### TDG

Not regulated

##### IMDG

Not regulated

##### IATA

Not regulated

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

# Xenium Stain Enhancer

## Safety Data Sheet

according to US HazCom 2012

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

Proprietary ester	CAS-No. Proprietary	3 - 7%
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This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

#### 15.2. International regulations

##### Proprietary ester (Proprietary)

Listed on the NCI (Vietnam - National Chemical Inventory)

##### Water (7732-18-5)

Listed on the NCI (Vietnam - National Chemical Inventory)

Listed on TECI (Thailand Existing Chemicals Inventory)

#### 15.3. US State regulations

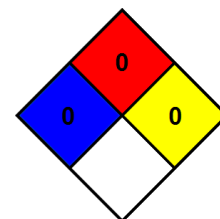
California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

### SECTION 16: Other information

according to US HazCom 2012

Revision date : 13 October 2023  
Other information : None.

NFPA health hazard : 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.  
NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.  
NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.  
NFPA specific hazard : None



Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.