

# Stain Pack Buffer

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)  
Issue date: 3/3/2026 Version: 1.0

### SECTION 1 Identification

#### 1.1. Product identifier

Product form : Mixture  
Product name : Stain Pack Buffer  
Product code : 1001B

#### 1.2. Other means of identification

Other means of identification : 1001B

#### 1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : in vitro diagnostics (IVD)  
Restrictions on use : Not for food, drug or household use

#### 1.4. Supplier's details

Ethos Biosciences, Inc.  
2070 Center Square Road  
Logan Township, New Jersey 08085  
United States  
T +1-856-224-0900; +1-800-441-0366 Technical Service; Monday-Friday: 8:00 AM-5:00 PM, Eastern US Time  
[www.ethosbiosciences.com](http://www.ethosbiosciences.com)

#### 1.5. Emergency phone number

Emergency number : 800-424-9300 CHEMTREC (USA) -- 24 Hours/Day, 7 Days/Week

### SECTION 2 Hazard Identification

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

##### GHS US classification

Not classified

#### 2.2. Label elements

##### GHS US labeling

No labeling applicable

#### 2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

#### 2.4. Hazards not otherwise classified

No additional information available

#### 2.5. Unknown acute toxicity

No additional information available

### SECTION 3 Composition/information on ingredients

#### 3.1. Substances

Not applicable

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### 3.2. Mixtures

| Name                           | Product identifier  | Conc. | GHS US classification                                                                                                                    |
|--------------------------------|---------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------|
| water                          | CAS-No.: 7732-18-5  | > 99  | Not classified                                                                                                                           |
| potassium phosphate, monobasic | CAS-No.: 7778-77-0  | < 1   | Not classified                                                                                                                           |
| sodium azide                   | CAS-No.: 26628-22-8 | < 1   | Acute Tox. 2 (Oral), H300<br>Acute Tox. 1 (Dermal), H310<br>Acute Tox. 2 (Inhalation), H330<br>Acute Tox. 2 (Inhalation:dust,mist), H330 |
| Triton X-100                   | CAS-No.: 9002-93-1  | < 1   | Acute Tox. 4 (Oral), H302<br>Eye Irrit. 2, H319                                                                                          |
| 5-Methyl-2-isopropylphenol     | CAS-No.: 89-83-8    | < 1   | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318                                                                                            |
| potassium phosphate, dibasic   | CAS-No.: 7758-11-4  | < 1   | Acute Tox. 3 (Inhalation:dust,mist), H331                                                                                                |

Full text of hazard classes and H-statements : see section 16

## SECTION 4 First aid measures

### 4.1. Description of necessary first-aid measures

|                                               |                                                                                   |
|-----------------------------------------------|-----------------------------------------------------------------------------------|
| First-aid measures general                    | : If you feel unwell, seek medical advice.                                        |
| 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.                                                 |
| 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.                       |
| Personal protection for first-aid responders. | : First aid workers will be equipped with suitable personal protective equipment. |

### 4.2. Most important symptoms/effects, acute and delayed

|                                     |                                 |
|-------------------------------------|---------------------------------|
| Symptoms/effects after inhalation   | : None under normal conditions. |
| Symptoms/effects after skin contact | : None under normal conditions. |
| Symptoms/effects after eye contact  | : None under normal conditions. |
| Symptoms/effects after ingestion    | : None under normal conditions. |

### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

|                                   |                          |
|-----------------------------------|--------------------------|
| Other medical advice or treatment | : Treat symptomatically. |
|-----------------------------------|--------------------------|

## SECTION 5: Fire-fighting measures

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

|                                |                                                  |
|--------------------------------|--------------------------------------------------|
| Suitable extinguishing media   | : Water spray. Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.               |

### 5.2. Specific hazards arising from the chemical

|                                                  |                                |
|--------------------------------------------------|--------------------------------|
| Fire hazard                                      | : No fire hazard.              |
| Explosion hazard                                 | : No direct explosion hazard.  |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |

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

- |                                |                                                                                                                                                       |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. |
| 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

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

- |                  |                                                                                                                                         |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| General measures | : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage. |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------|

#### For non-emergency personnel

- |                      |                                                   |
|----------------------|---------------------------------------------------|
| Protective equipment | : Wear recommended personal protective equipment. |
| Emergency procedures | : Ventilate spillage area.                        |

#### 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". |
| Emergency procedures      | : Evacuate unnecessary personnel. Stop leak if safe to do so.                                                                                               |
| Environmental precautions | : Avoid release to the environment.                                                                                                                         |

### 6.2. Methods and materials for containment and cleaning up

- |                         |                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For containment         | : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk. |
| Methods for cleaning up | : Take up liquid spill into absorbent material.                                                                                                                                       |
| Other information       | : Dispose of materials or solid residues at an authorized site.                                                                                                                       |

For further information refer to section 13.

## SECTION 7 Handling and storage

### 7.1. Precautions for safe handling

- |                                   |                                                                                                     |
|-----------------------------------|-----------------------------------------------------------------------------------------------------|
| Precautions for safe handling     | : Ensure good ventilation of the work station. Wear personal protective equipment.                  |
| Hygiene measures                  | : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |
| Additional hazards when processed | : Not expected to present a significant hazard under anticipated conditions of normal use.          |

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

- |                     |                                                                             |
|---------------------|-----------------------------------------------------------------------------|
| Technical measures  | : Keep in a cool, well-ventilated place away from heat.                     |
| Storage conditions  | : Keep cool. Protect from sunlight.                                         |
| Packaging materials | : Always store product in container of same material as original container. |

## SECTION 8 Exposure controls/personal protection

### 8.1. Control parameters

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### sodium azide (26628-22-8)

#### USA - ACGIH® - Threshold Limit Values

|               |            |
|---------------|------------|
| ACGIH® TLV® C | 0.29 mg/m³ |
|               | 0.11 ppm   |

### 8.2. Appropriate engineering controls

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| Appropriate engineering controls | : Ensure good ventilation of the work station. |
| Environmental exposure controls  | : Avoid release to the environment.            |

### 8.3. Individual protection measures, such as personal protective equipment

#### Personal protective equipment:

Wear recommended personal protective equipment.

#### 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

#### Personal protective equipment symbol(s):



## SECTION 9 Physical and chemical properties

### 9.1. Basic physical and chemical properties

|                                                 |                                                                                                                                                                                                                                                        |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Physical state                                  | : Liquid                                                                                                                                                                                                                                               |
| Appearance                                      | : Colorless liquid.                                                                                                                                                                                                                                    |
| Color                                           | : Colorless                                                                                                                                                                                                                                            |
| Odor                                            | : odorless                                                                                                                                                                                                                                             |
| Odor threshold                                  | : No data available                                                                                                                                                                                                                                    |
| pH                                              | : 6.8                                                                                                                                                                                                                                                  |
| Melting point                                   | : Not applicable                                                                                                                                                                                                                                       |
| Freezing point                                  | : No data available                                                                                                                                                                                                                                    |
| Boiling point                                   | : No data available                                                                                                                                                                                                                                    |
| Flash point                                     | : 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                                      | : Water: Solubility in water of component(s) of the mixture :<br>• potassium phosphate, monobasic: 21 g/100ml • sodium azide: 41 g/100ml • Triton X-100:<br>• 5-Methyl-2-isopropylphenol: 0.08 g/100ml • potassium phosphate, dibasic: 63 - 65 g/100ml |
| Partition coefficient n-octanol/water (Log Pow) | : No data available                                                                                                                                                                                                                                    |
| Auto-ignition temperature                       | : No data available                                                                                                                                                                                                                                    |

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|                           |                     |
|---------------------------|---------------------|
| Decomposition temperature | : No data available |
| Viscosity, kinematic      | : No data available |
| Explosion limits          | : No data available |
| Particle characteristics  | : No data available |

| potassium phosphate, monobasic |                                                    |
|--------------------------------|----------------------------------------------------|
| Boiling point                  | > 450 °C (1013 hPa, EU Method A.2: Boiling point)  |
| Flash point                    | Not applicable (solid)                             |
| Auto-ignition temperature      | Not applicable                                     |
| Vapor pressure                 | < 0.01 hPa (25 °C, EU Method A.4: Vapour Pressure) |

| sodium azide              |                                                                                  |
|---------------------------|----------------------------------------------------------------------------------|
| Boiling point             | Not applicable (decomposes)                                                      |
| Flash point               | Not applicable (solid)                                                           |
| Auto-ignition temperature | 309 – 340 °C (EU Method A.16: Relative Self-Ignition Temperature for Solids, T2) |
| Vapor pressure            | Not applicable (solid)                                                           |

| Triton X-100              |                                     |
|---------------------------|-------------------------------------|
| Boiling point             | > 200 °C                            |
| Flash point               | 251 °C (Closed cup)                 |
| Auto-ignition temperature | No data available in the literature |
| Vapor pressure            | < 1.33 hPa (20 °C)                  |

| 5-Methyl-2-isopropylphenol |                   |
|----------------------------|-------------------|
| Boiling point              | 233 °C            |
| Flash point                | 102 °C            |
| Auto-ignition temperature  | 285 °C (T3)       |
| Vapor pressure             | < 0.1 hPa (20 °C) |
| Vapor pressure at 50°C     | 2.5 hPa           |

| potassium phosphate, dibasic |                                         |
|------------------------------|-----------------------------------------|
| Boiling point                | Not applicable (melting point > 300 °C) |
| Flash point                  | Not applicable (solid)                  |
| Auto-ignition temperature    | Not applicable                          |
| Vapor pressure               | Not applicable (melting point > 300 °C) |

### 9.2. Data relevant with regard to physical hazard classes (supplemental)

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.

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### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

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

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11 Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### potassium phosphate, monobasic (7778-77-0)

|                       |                                                                                                                                      |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| LD50 dermal rat       | > 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))          |
| LC50 Inhalation - Rat | > 0.83 mg/l air (EPA OPP 81-3: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (dust), 14 day(s)) |

#### sodium azide (26628-22-8)

|                       |                                                                                                                                             |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| LD50 oral rat         | 27 mg/kg body weight (Rat, Experimental value, Oral)                                                                                        |
| LD50 dermal rabbit    | 19 – 48 mg/kg body weight (Rabbit, Inconclusive, insufficient data, Dermal)                                                                 |
| LC50 Inhalation - Rat | 0.05 – 0.52 mg/l (EPA OPPTS 870.1300: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (dust), 14 day(s)) |
| ATE US (oral)         | 27 mg/kg body weight                                                                                                                        |
| ATE US (dermal)       | 19 mg/kg body weight                                                                                                                        |
| ATE US (gases)        | 100 ppmV/4h                                                                                                                                 |
| ATE US (vapors)       | 0.05 mg/l/4h                                                                                                                                |
| ATE US (dust, mist)   | 0.05 mg/l/4h                                                                                                                                |

#### Triton X-100 (9002-93-1)

|                    |                                               |
|--------------------|-----------------------------------------------|
| LD50 oral rat      | 1800 mg/kg (Rat, Literature study, Oral)      |
| LD50 dermal rabbit | 8000 mg/kg (Rabbit, Literature study, Dermal) |
| ATE US (oral)      | 1800 mg/kg body weight                        |
| ATE US (dermal)    | 8000 mg/kg body weight                        |

#### 5-Methyl-2-isopropylphenol (89-83-8)

|               |                       |
|---------------|-----------------------|
| ATE US (oral) | 500 mg/kg body weight |
|---------------|-----------------------|

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| potassium phosphate, dibasic (7758-11-4) |                                                                                                                                                           |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| LD50 oral rat                            | > 2000 mg/kg body weight (OECD 420: Acute Oral toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral, 14 day(s))                     |
| LD50 dermal rat                          | > 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))                               |
| LC50 Inhalation - Rat                    | > 0.83 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Read-across, (maximum achievable concentration), Inhalation (dust), 14 day(s)) |
| ATE US (dust, mist)                      | 0.5 mg/l/4h                                                                                                                                               |

Skin corrosion/irritation : Not classified  
pH: 6.8

| potassium phosphate, monobasic (7778-77-0) |           |
|--------------------------------------------|-----------|
| pH                                         | 4.5 (1 %) |

| sodium azide (26628-22-8) |                                     |
|---------------------------|-------------------------------------|
| pH                        | No data available in the literature |

| Triton X-100 (9002-93-1) |     |
|--------------------------|-----|
| pH                       | 9.7 |

| 5-Methyl-2-isopropylphenol (89-83-8) |                |
|--------------------------------------|----------------|
| pH                                   | 5 – 7 (0.08 %) |

| potassium phosphate, dibasic (7758-11-4) |     |
|------------------------------------------|-----|
| pH                                       | 9.2 |

Serious eye damage/irritation : Not classified  
pH: 6.8

| potassium phosphate, monobasic (7778-77-0) |           |
|--------------------------------------------|-----------|
| pH                                         | 4.5 (1 %) |

| sodium azide (26628-22-8) |                                     |
|---------------------------|-------------------------------------|
| pH                        | No data available in the literature |

| Triton X-100 (9002-93-1) |     |
|--------------------------|-----|
| pH                       | 9.7 |

| 5-Methyl-2-isopropylphenol (89-83-8) |                |
|--------------------------------------|----------------|
| pH                                   | 5 – 7 (0.08 %) |

| potassium phosphate, dibasic (7758-11-4) |     |
|------------------------------------------|-----|
| pH                                       | 9.2 |

Respiratory or skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified  
Aspiration hazard : Not classified

| potassium phosphate, monobasic (7778-77-0) |                        |
|--------------------------------------------|------------------------|
| Viscosity, kinematic                       | Not applicable (solid) |

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|                                                   |                                     |
|---------------------------------------------------|-------------------------------------|
| <b>potassium phosphate, monobasic (7778-77-0)</b> |                                     |
| <b>sodium azide (26628-22-8)</b>                  |                                     |
| Viscosity, kinematic                              | Not applicable (solid)              |
| <b>Triton X-100 (9002-93-1)</b>                   |                                     |
| Viscosity, kinematic                              | No data available in the literature |
| <b>potassium phosphate, dibasic (7758-11-4)</b>   |                                     |
| Viscosity, kinematic                              | Not applicable (solid)              |
| Symptoms/effects after inhalation                 | : None under normal conditions.     |
| Symptoms/effects after skin contact               | : None under normal conditions.     |
| Symptoms/effects after eye contact                | : None under normal conditions.     |
| Symptoms/effects after ingestion                  | : None under normal conditions.     |

## SECTION 12 Ecological information

### 12.1. Ecotoxicity

|                                                           |                                                                                                                        |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Ecology - general                                         | : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified                                                                                                       |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified                                                                                                       |

|                                                   |                                                                                                                                                         |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>potassium phosphate, monobasic (7778-77-0)</b> |                                                                                                                                                         |
| LC50 - Fish [1]                                   | > 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value, Nominal concentration) |
| EC50 - Crustacea [1]                              | > 100 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)     |
| ErC50 algae                                       | > 100 mg/l (EU Method C.3, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration)                        |
| <b>sodium azide (26628-22-8)</b>                  |                                                                                                                                                         |
| LC50 - Fish [1]                                   | 2.75 – 3.28 mg/l (Equivalent or similar to OECD 203, 96 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value)                   |
| EC50 96h - Algae [1]                              | 0.35 mg/l (Equivalent or similar to OECD 201, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Cell numbers)            |
| <b>Triton X-100 (9002-93-1)</b>                   |                                                                                                                                                         |
| LC50 - Fish [1]                                   | 8.9 mg/l (96 h, Pimephales promelas, Literature study)                                                                                                  |
| EC50 - Crustacea [1]                              | 26 mg/l (48 h, Daphnia magna, Literature study)                                                                                                         |
| <b>potassium phosphate, dibasic (7758-11-4)</b>   |                                                                                                                                                         |
| LC50 - Fish [1]                                   | > 900 mg/l (48 h, Leuciscus idus, Static system)                                                                                                        |
| EC50 - Crustacea [1]                              | > 100 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Read-across, Nominal concentration)       |
| LC50 - Fish [2]                                   | > 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Read-across, Nominal concentration)        |
| ErC50 algae                                       | > 100 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Read-across, Nominal concentration)      |

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### 12.2. Persistence and degradability

#### Stain Pack Buffer

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### potassium phosphate, monobasic (7778-77-0)

|                               |                                   |
|-------------------------------|-----------------------------------|
| Persistence and degradability | Biodegradability: not applicable. |
| Chemical oxygen demand (COD)  | Not applicable (inorganic)        |
| ThOD                          | Not applicable (inorganic)        |

#### sodium azide (26628-22-8)

|                               |                                   |
|-------------------------------|-----------------------------------|
| Persistence and degradability | Biodegradability: not applicable. |
| Chemical oxygen demand (COD)  | Not applicable (inorganic)        |
| ThOD                          | Not applicable (inorganic)        |

#### water (7732-18-5)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### Triton X-100 (9002-93-1)

|                               |                                     |
|-------------------------------|-------------------------------------|
| Persistence and degradability | Not readily biodegradable in water. |
| Chemical oxygen demand (COD)  | 2.19 mg/g                           |
| ThOD                          | 2.16 g O <sub>2</sub> /g substance  |

#### 5-Methyl-2-isopropylphenol (89-83-8)

|                               |                                    |
|-------------------------------|------------------------------------|
| Persistence and degradability | Readily biodegradable in water.    |
| Chemical oxygen demand (COD)  | 2.69 g O <sub>2</sub> /g substance |
| ThOD                          | 2.76 g O <sub>2</sub> /g substance |

#### potassium phosphate, dibasic (7758-11-4)

|                               |                                   |
|-------------------------------|-----------------------------------|
| Persistence and degradability | Biodegradability: not applicable. |
| Chemical oxygen demand (COD)  | Not applicable (inorganic)        |
| ThOD                          | Not applicable (inorganic)        |

### 12.3. Bioaccumulative potential

#### potassium phosphate, monobasic (7778-77-0)

|                           |                      |
|---------------------------|----------------------|
| Bioaccumulative potential | Not bioaccumulative. |
|---------------------------|----------------------|

#### sodium azide (26628-22-8)

|                           |                      |
|---------------------------|----------------------|
| Bioaccumulative potential | Not bioaccumulative. |
|---------------------------|----------------------|

#### Triton X-100 (9002-93-1)

|                                                 |                                                                   |
|-------------------------------------------------|-------------------------------------------------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 4.86 (Estimated value, KOWWIN)                                    |
| Bioaccumulative potential                       | Potential for bioaccumulation ( $4 \leq \text{Log Kow} \leq 5$ ). |

#### 5-Methyl-2-isopropylphenol (89-83-8)

|                                                 |           |
|-------------------------------------------------|-----------|
| Partition coefficient n-octanol/water (Log Pow) | 3.3 – 3.4 |
|-------------------------------------------------|-----------|

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### potassium phosphate, dibasic (7758-11-4)

|                           |                      |
|---------------------------|----------------------|
| Bioaccumulative potential | Not bioaccumulative. |
|---------------------------|----------------------|

### 12.4. Mobility in soil

### potassium phosphate, monobasic (7778-77-0)

|                 |                                                       |
|-----------------|-------------------------------------------------------|
| Surface tension | No data available in the literature                   |
| Ecology - soil  | No (test)data on mobility of the substance available. |

### sodium azide (26628-22-8)

|                                                            |                                        |
|------------------------------------------------------------|----------------------------------------|
| Surface tension                                            | No data available (test not performed) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 2.63 (log Koc, Calculated value)       |
| Ecology - soil                                             | Low potential for adsorption in soil.  |

### Triton X-100 (9002-93-1)

|                |                                                       |
|----------------|-------------------------------------------------------|
| Ecology - soil | No (test)data on mobility of the substance available. |
|----------------|-------------------------------------------------------|

### potassium phosphate, dibasic (7758-11-4)

|                 |                                                       |
|-----------------|-------------------------------------------------------|
| Surface tension | No data available in the literature                   |
| Ecology - soil  | No (test)data on mobility of the substance available. |

### 12.5. Other adverse effects

|                              |                  |
|------------------------------|------------------|
| Ozone                        | : Not classified |
| Fluorinated greenhouse gases | : No             |

## SECTION 13 Disposal considerations

|                                            |                                                                                                                                                                                                                                         |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Regional waste regulation                  | : Disposal must be done according to official regulations.                                                                                                                                                                              |
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions.                                                                                                                                           |
| Sewage disposal recommendations            | : Disposal must be done according to official regulations.                                                                                                                                                                              |
| Product/Packaging disposal recommendations | : Disposal must be done according to official regulations.                                                                                                                                                                              |
| Additional information                     | : Do not re-use empty containers.                                                                                                                                                                                                       |
| Ecological waste information               | : The waste of the product should be considered as hazardous as the product itself, with the likelihood of impacting the environment in the same way. Consider the handling and disposal of the waste as defined by the product itself. |

## SECTION 14 Transport information

In accordance with DOT / TDG / IMDG / IATA

### 14.1. UN number

Not regulated for transport

### 14.2. UN Proper Shipping Name

|                             |                 |
|-----------------------------|-----------------|
| Proper Shipping Name (DOT)  | : Not regulated |
| Proper Shipping Name (TDG)  | : Not regulated |
| Proper Shipping Name (IMDG) | : Not regulated |
| Proper Shipping Name (IATA) | : Not regulated |

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### 14.3. Transport hazard class(es)

**DOT**  
Transport hazard class(es) (DOT) : Not regulated

**TDG**  
Transport hazard class(es) (TDG) : Not regulated

**IMDG**  
Transport hazard class(es) (IMDG) : Not regulated

**IATA**  
Transport hazard class(es) (IATA) : Not regulated

### 14.4. Packing group

Packing group (DOT) : Not regulated  
Packing group (TDG) : Not regulated  
Packing group (IMDG) : Not regulated  
Packing group (IATA) : Not regulated

### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Transport in bulk

Not applicable

### 14.7. Special precautions for user

**DOT**  
Not regulated

**TDG**  
Not regulated

**IMDG**  
Not regulated

**IATA**  
Not regulated

## SECTION 15 Regulatory information

### 15.1. 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

|                                                                                                                                                                       |                    |      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------|
| Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. |                    |      |
| sodium azide                                                                                                                                                          | CAS-No. 26628-22-8 | < 1% |

| sodium azide (26628-22-8)                                    |         |
|--------------------------------------------------------------|---------|
| CERCLA RQ                                                    | 1000 lb |
| RQ (Reportable quantity, section 304 of EPA's List of Lists) | 1000 lb |

# Stain Pack Buffer

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)

### sodium azide (26628-22-8)

SARA Section 302 Threshold Planning Quantity (TPQ)

500 lb

## 15.2. International regulations

### CANADA

#### potassium phosphate, monobasic (7778-77-0)

Listed on the Canadian DSL (Domestic Substances List)

#### sodium azide (26628-22-8)

Listed on the Canadian DSL (Domestic Substances List)

#### water (7732-18-5)

Listed on the Canadian DSL (Domestic Substances List)

#### Triton X-100 (9002-93-1)

Listed on the Canadian DSL (Domestic Substances List)

#### 5-Methyl-2-isopropylphenol (89-83-8)

Listed on the Canadian DSL (Domestic Substances List)

#### potassium phosphate, dibasic (7758-11-4)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### EU-Regulations

No additional information available

### National regulations

#### potassium phosphate, monobasic (7778-77-0)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### sodium azide (26628-22-8)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### water (7732-18-5)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### 5-Methyl-2-isopropylphenol (89-83-8)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### potassium phosphate, dibasic (7758-11-4)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

# Stain Pack Buffer

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)

### 15.3. 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

| Component                | State or local regulations                                                                                                                            |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| sodium azide(26628-22-8) | U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |

### SECTION 16 Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)

Issue date : 3/3/2026

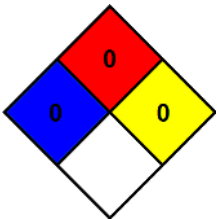
| Full text of hazard classes and H-statements |                               |
|----------------------------------------------|-------------------------------|
| H300                                         | Fatal if swallowed            |
| H302                                         | Harmful if swallowed          |
| H310                                         | Fatal in contact with skin    |
| H318                                         | Causes serious eye damage     |
| H319                                         | Causes serious eye irritation |
| H330                                         | Fatal if inhaled              |
| H331                                         | Toxic if inhaled              |

- 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.



Safety Data Sheet (SDS), USA

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