# Safety data sheet

## E2075 | KIT COMPONENTS

| Product code | Revision |
|---|---|
| E2075 | v4 / 25 October 2026 |
| **Document type** | **Number of components** |
| Combined component MSDS | 4 |

## Contents

Each reagent below has a separate 16-section safety data sheet.


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### Safety identification

Lysis/Binding Buffer: GHS07; H302, H315, H319, H332. Elution Buffer, Wash Buffer 1 and Wash Buffer 2 (concentrated): no GHS classification assigned in the supplied hazard-identification sections.

For research use only. Not intended for diagnostic or therapeutic use.

The hazard classification of each component applies to that component only; this document does not classify the assembled kit as a single chemical mixture.

# Safety data sheet

Elution Buffer

| | |
|---|---|
| Product name<br>Elution Buffer | Catalog no.<br>E2075 |
| Synonyms<br>- | Original issue<br>12 June 2026 |
| CAS no.<br>- | Revision / date<br>v4 / 25 October 2026 |

## 01 PRODUCT AND COMPANY IDENTIFICATION

| | |
|---|---|
| Product identifier | Elution Buffer |
| Product code | E2075 |
| CAS number | - |
| EC number | - |
| Recommended use | Elution Buffer reagent in EcoTech E2075 / E2075 research kits. For research use only; not for diagnostic or therapeutic use. |
| Supplier | EcoTech Biotechnology |
| Website | www.ecotechbiotech.com |
| Address | Universite Mah. İpekyolu Cad. Ata Teknokent Sitesi B Blok No: Z10 Yakutiye Erzurum Türkiye |
| Telephone | 0090 544 327 34 97 |
| SDS contact | info@ecotechbiotech.com |
| Emergency telephone | 0090 544 327 34 97 |
| Available | Monday-Saturday/08:00-20:00/GMT+3 |
| Languages | Turkish/English |
| Outside these hours | Contact: info@ecotechbiotech.com |

## 02 HAZARDS IDENTIFICATION

| | |
|---|---|
| GHS/CLP classification | Not classified as hazardous under Regulation (EC) No. 1272/2008 (CLP). |
| Hazard statements | None |
| GHS pictograms | None |
| Signal word | None |
| Precautionary statements - prevention | Follow standard laboratory hygiene and wear suitable personal protective equipment. |
| Precautionary statements - response | Rinse exposed skin or eyes with water; seek medical advice if symptoms occur. |
| Other hazards | No other hazards identified in the supplied classification. |

# Composition & response

Elution Buffer | SAFETY DATA SHEET / SECTIONS 03-05

## 03 COMPOSITION / INFORMATION ON INGREDIENTS

| | |
|---|---|
| Product name | Elution Buffer |
| Synonyms | - |
| Concentration | - |
| Formula | - |
| Molecular weight | - |
| Product form | Liquid mixture |
| Composition / ingredient information | No hazardous components requiring disclosure at supplied concentrations are identified. |

## 04 FIRST AID MEASURES

### 4.1 Description of first aid measures

| | |
|---|---|
| Eye contact | Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do; continue rinsing. |
| Skin contact | Rinse affected skin thoroughly with water. Seek medical advice if irritation persists. |
| Inhalation | Move to fresh air. Seek medical advice if discomfort or symptoms occur. |
| Ingestion | Rinse mouth. Do not induce vomiting without medical advice. Seek medical advice if unwell. |
| Self-protection of the first aider | Use personal protective equipment as required. |
| Most important symptoms and effects | No specific symptoms provided. |
| Immediate medical attention / treatment | Seek medical advice for ingestion, breathing difficulties or significant exposure. |

## 05 FIREFIGHTING MEASURES

| | |
|---|---|
| Suitable extinguishing media | Water spray, carbon dioxide (CO2), foam or dry chemical. |
| Unsuitable extinguishing media | No information available. |
| Special hazards arising from the product | No specific fire hazards identified. |
| Explosion data | No information on mechanical impact or static discharge sensitivity. |
| Advice for firefighters | Wear appropriate protective gear and self-contained breathing apparatus where necessary. |

# Safe use & protection

Elution Buffer | SAFETY DATA SHEET / SECTIONS 06-08

## 06 ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions, protective equipment and emergency procedures | Use appropriate protective equipment and adequate ventilation; avoid contact with skin and eyes. |
| Environmental precautions | No special environmental precautions specified. |
| Methods and materials for containment and cleaning up | Absorb using inert absorbent material and collect in suitable closed containers. |
| Reference to other sections | Refer to Section 8 for PPE and Section 13 for waste handling. |

## 07 HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Wear gloves and protective eyewear; avoid ingestion, inhalation and contact with eyes/skin. Keep away from acids and bleach. |
| Conditions for safe storage | Keep tightly closed in a cool, dry, well-ventilated area away from incompatible substances. |
| Container labelling | Keep in properly labelled containers, closed when not in use. |

## 08 EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

No product-specific occupational exposure limit values are identified.

### 8.2 Exposure controls

| | |
|---|---|
| Engineering measures | Ensure adequate ventilation, particularly in enclosed work areas. |
| Hygiene measures | Do not eat, drink or smoke while handling. Wash hands, forearms and face after handling. |
| Eye / face protection | Tight-sealing safety goggles. |
| Hand protection | Compatible chemical-resistant protective gloves. |
| Skin and body protection | Laboratory coat or other protective clothing suitable for the exposure conditions. |
| Respiratory protection | Use suitable respiratory protection if ventilation is inadequate. |

# Material properties

Elution Buffer | SAFETY DATA SHEET / SECTIONS 09-10

## 09 PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

| | |
|---|---|
| Appearance | Liquid |
| Odor | No data available |
| Odor threshold | No data available |
| pH | No data available |
| Melting point / freezing point | No data available |
| Initial boiling point and boiling range | No data available |
| Flash point | No data available |
| Evaporation rate | No data available |
| Flammability (solid, gas) | No data available |
| Upper / lower flammability or explosive limits | No data available |
| Vapor pressure | No data available |
| Vapor density | No data available |
| Relative density | No data available |
| Solubility(ies) | No data available |
| Partition coefficient: n-octanol / water | No data available |
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |
| Viscosity | No data available |
| Explosive properties | No data available |
| Oxidizing properties | No data available |

## 10 STABILITY AND REACTIVITY

| | |
|---|---|
| Reactivity | Not applicable. |
| Chemical stability | Stable at a cool and dry place. |
| Possibility of hazardous reactions | Hazardous reaction has not been reported. |
| Conditions to avoid | Contact with acids or bleach liberates toxic gases. Do not mix with bleach-containing liquid waste. |
| Incompatible materials | No dangerous reaction known under conditions of normal use. |
| Hazardous decomposition products | Carbon oxides. Nitrogen oxides (NOx). Sulphur oxides. |

# Health & environment

Elution Buffer | SAFETY DATA SHEET / SECTIONS 11-13

## 11 TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

| | |
|---|---|
| Acute toxicity | No evidence of acute toxicity reported for the mixture. |
| Skin corrosion / irritation | Skin irritation reported. |
| Serious eye damage / eye irritation | Irritating to eyes. |
| Carcinogenicity | Data are conclusive but insufficient for classification. |
| Reproductive toxicity | Data are conclusive but insufficient for classification. |
| STOT - SE | Data are conclusive but insufficient for classification. |
| STOT - RE | Data are conclusive but insufficient for classification. |
| Aspiration hazard | Data are conclusive but insufficient for classification. |

### 11.2 Potential health effects

Ingestion: May be harmful if swallowed.
Inhalation: May be harmful if inhaled and irritate the respiratory tract.
Skin: May cause irritation.
Eyes: May cause eye irritation.

### 11.3 Additional information

No additional toxicological information available.

## 12 ECOLOGICAL INFORMATION

| | |
|---|---|
| Ecotoxicity | No specific environmental hazard identified in the supplied mixture classification. |
| Persistence and degradability | No data available |
| Bioaccumulative potential | No data available |
| Mobility in soil | No data available |
| Results of PBT and vPvB assessment | No information available. |

## 13 DISPOSAL CONSIDERATIONS

### Waste treatment methods

| | |
|---|---|
| Product | Use a licensed professional waste disposal service as appropriate. Follow all applicable local and national requirements. |
| Contaminated packaging | Dispose of as unused product. Do not reuse empty containers. |

# Transport & reference

Elution Buffer | SAFETY DATA SHEET / SECTIONS 14-16

## 14 TRANSPORT INFORMATION

| Mode | UN no. | UN proper shipping name | Hazard class | Packing group | Env. hazard |
|---|---|---|---|---|---|
| ADR/RID | - | Not regulated as dangerous goods | - | - | No |
| IMDG | - | Not regulated as dangerous goods | - | - | No |
| IATA | - | Not regulated as dangerous goods | - | - | No |

- = not assigned or not applicable.

| | |
|---|---|
| Special precautions for user | Follow standard laboratory transport and packaging precautions. |
| Transport in bulk according to MARPOL / IBC | Not applicable. |

## 15 REGULATORY INFORMATION

| | |
|---|---|
| Safety, health and environmental regulations / legislation | The EU REACH / CLP framework applies as relevant to the supplied mixture or substance. No additional specific authorisations or restrictions are identified in the supplied regulatory entries. |
| Environmental hazards | Not applicable. |
| Chemical safety assessment | No chemical safety assessment is reported for the product. |

## 16 OTHER INFORMATION

**Key to abbreviations and acronyms**

| | |
|---|---|
| STOT-SE | Specific target organ toxicity - single exposure |
| STOT-RE | Specific target organ toxicity - repeated exposure |
| PBT | Persistent, bioaccumulative and toxic |
| vPvB | Very persistent and very bioaccumulative |
| ADR | International carriage of dangerous goods by road |
| CAS | Chemical Abstracts Service |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods Code |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | International transport of dangerous goods by rail |

# Safety data sheet

Lysis/Binding Buffer

| | |
|---|---|
| Product name<br>Lysis/Binding Buffer | Catalog no.<br>E2075 |
| Synonyms<br>- | Original issue<br>12 June 2026 |
| CAS no.<br>- | Revision / date<br>v4 / 25 October 2026 |

## 01 PRODUCT AND COMPANY IDENTIFICATION

| | |
|---|---|
| Product identifier | Lysis/Binding Buffer |
| Product code | E2075 |
| CAS number | - |
| EC number | - |
| Recommended use | Lysis/Binding Buffer reagent in EcoTech E2075 / E2075 research kits. For research use only; not for diagnostic or therapeutic use. |
| Supplier | EcoTech Biotechnology |
| Website | www.ecotechbiotech.com |
| Address | Universite Mah. İpekyolu Cad. Ata Teknokent Sitesi B Blok No: Z10 Yakutiye Erzurum Türkiye |
| Telephone | 0090 544 327 34 97 |
| SDS contact | info@ecotechbiotech.com |
| Emergency telephone | 0090 544 327 34 97 |
| Available | Monday-Saturday/08:00-20:00/GMT+3 |
| Languages | Turkish/English |
| Outside these hours | Contact: info@ecotechbiotech.com |

## 02 HAZARDS IDENTIFICATION

| | |
|---|---|
| GHS/CLP classification | Acute Tox. 4 (oral); Acute Tox. 4 (inhalation); Skin Irrit. 2; Eye Irrit. 2 (CLP). |
| Hazard statements | H302 - Harmful if swallowed.<br>H315 - Causes skin irritation.<br>H319 - Causes serious eye irritation.<br>H332 - Harmful if inhaled. |
| GHS pictograms | None |
| Signal word | Warning |
| Precautionary statements - prevention | P264 - Wash hands after handling. P270 - Do not eat, drink or smoke while using. P280 - Wear protective gloves, clothing and eye protection. |
| Precautionary statements - response | P301+P310 - IF SWALLOWED: Call a POISON CENTER or doctor. P302+P352 - IF ON SKIN: Wash with soap and water. P305+P351+P338 - IF IN EYES: Rinse with water and remove contact lenses if possible. P330 - Rinse mouth. P332+P313 - Seek medical advice for skin irritation. |
| Other hazards | Do not mix guanidine-containing waste with acids or bleach; toxic gases may be released. |

# Composition & response

Lysis/Binding Buffer | SAFETY DATA SHEET / SECTIONS 03-05

## 03 COMPOSITION / INFORMATION ON INGREDIENTS

| | |
|---|---|
| Product name | Lysis/Binding Buffer |
| Synonyms | - |
| Concentration | - |
| Formula | - |
| Molecular weight | - |
| Product form | Liquid mixture |
| Composition / ingredient information | Guanidine hydrochloride (CAS 50-01-1): 70-85% by weight. |

## 04 FIRST AID MEASURES

### 4.1 Description of first aid measures

| | |
|---|---|
| Eye contact | Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do; continue rinsing. |
| Skin contact | Rinse affected skin thoroughly with water. Seek medical advice if irritation persists. |
| Inhalation | Move to fresh air. Seek medical advice if discomfort or symptoms occur. |
| Ingestion | Rinse mouth. Do not induce vomiting without medical advice. Seek medical advice if unwell. |
| Self-protection of the first aider | Use personal protective equipment as required. |
| Most important symptoms and effects | H302/H315/H319/H332: harmful if swallowed or inhaled; irritating to skin and eyes. |
| Immediate medical attention / treatment | Treat symptomatically; obtain medical advice if symptoms persist. |

## 05 FIREFIGHTING MEASURES

| | |
|---|---|
| Suitable extinguishing media | Water spray, carbon dioxide (CO2), foam or dry chemical. |
| Unsuitable extinguishing media | No information available. |
| Special hazards arising from the product | Potential hazardous decomposition products; avoid incompatible chemical contact. |
| Explosion data | No information on mechanical impact or static discharge sensitivity. |
| Advice for firefighters | Wear appropriate protective gear and self-contained breathing apparatus where necessary. |

# Safe use & protection

Lysis/Binding Buffer | SAFETY DATA SHEET / SECTIONS 06-08

## 06 ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions, protective equipment and emergency procedures | Use appropriate protective equipment and adequate ventilation; avoid contact with skin and eyes. |
| Environmental precautions | No special environmental precautions specified. |
| Methods and materials for containment and cleaning up | Absorb using inert absorbent material and collect in suitable closed containers. |
| Reference to other sections | Refer to Section 8 for PPE and Section 13 for waste handling. |

## 07 HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Handle with standard laboratory hygiene, suitable PPE and adequate ventilation. |
| Conditions for safe storage | Keep tightly closed in a cool, dry, well-ventilated area away from incompatible substances. |
| Container labelling | Keep in properly labelled containers, closed when not in use. |

## 08 EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

No product-specific occupational exposure limit values are identified.

### 8.2 Exposure controls

| | |
|---|---|
| Engineering measures | Ensure adequate ventilation, particularly in enclosed work areas. |
| Hygiene measures | Do not eat, drink or smoke while handling. Wash hands, forearms and face after handling. |
| Eye / face protection | Tight-sealing safety goggles. |
| Hand protection | Chemical-resistant protective gloves; inspect gloves before use. |
| Skin and body protection | Laboratory coat or other protective clothing suitable for the exposure conditions. |
| Respiratory protection | Use suitable respiratory protection if ventilation is inadequate. |

# Material properties

Lysis/Binding Buffer | SAFETY DATA SHEET / SECTIONS 09-10

## 09 PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

| | |
|---|---|
| Appearance | Liquid |
| Odor | No data available |
| Odor threshold | No data available |
| pH | No data available |
| Melting point / freezing point | No data available |
| Initial boiling point and boiling range | No data available |
| Flash point | No data available |
| Evaporation rate | No data available |
| Flammability (solid, gas) | No data available |
| Upper / lower flammability or explosive limits | No data available |
| Vapor pressure | No data available |
| Vapor density | No data available |
| Relative density | No data available |
| Solubility(ies) | No data available |
| Partition coefficient: n-octanol / water | No data available |
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |
| Viscosity | No data available |
| Explosive properties | No data available |
| Oxidizing properties | No data available |

## 10 STABILITY AND REACTIVITY

| | |
|---|---|
| Reactivity | Stable. |
| Chemical stability | Stable at a cool and dry place. |
| Possibility of hazardous reactions | Hazardous reaction has not been reported. |
| Conditions to avoid | Contact with acids or bleach may liberate toxic gases. Never mix with bleach-containing waste. |
| Incompatible materials | No dangerous reaction known under conditions of normal use. |
| Hazardous decomposition products | Carbon oxides, nitrogen oxides (NOx), sulphur oxides. |

# Health & environment

Lysis/Binding Buffer | SAFETY DATA SHEET / SECTIONS 11-13

## 11 TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

| | |
|---|---|
| Acute toxicity | Guanidine hydrochloride: LD50 oral 354 mg/kg (rat); LD50 dermal 1,100 mg/kg; LC50 inhalation 11 mg/L, 4 h. |
| Skin corrosion / irritation | Skin irritation. |
| Serious eye damage / eye irritation | Irritating to eyes. |
| Carcinogenicity | Data are conclusive but insufficient for classification. |
| Reproductive toxicity | Data are conclusive but insufficient for classification. |
| STOT - SE | Data are conclusive but insufficient for classification. |
| STOT - RE | Data are conclusive but insufficient for classification. |
| Aspiration hazard | Data are conclusive but insufficient for classification. |

### 11.2 Potential health effects

No mixture-specific adverse health effects reported; follow good laboratory hygiene.

### 11.3 Additional information

No additional toxicological information available.

## 12 ECOLOGICAL INFORMATION

| | |
|---|---|
| Ecotoxicity | No data available for the mixture. |
| Persistence and degradability | No data available |
| Bioaccumulative potential | No data available |
| Mobility in soil | No data available |
| Results of PBT and vPvB assessment | This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |

## 13 DISPOSAL CONSIDERATIONS

### Waste treatment methods

| | |
|---|---|
| Product | Use a licensed professional waste disposal service as appropriate. Follow all applicable local and national requirements. |
| Contaminated packaging | Dispose of as unused product. Do not reuse empty containers. |

# Transport & reference

Lysis/Binding Buffer | SAFETY DATA SHEET / SECTIONS 14-16

## 14 TRANSPORT INFORMATION

| Mode | UN no. | UN proper shipping name | Hazard class | Packing group | Env. hazard |
|---|---|---|---|---|---|
| ADR/RID | - | Not regulated as dangerous goods | - | - | No |
| IMDG | - | Not regulated as dangerous goods | - | - | No |
| IATA | - | Not regulated as dangerous goods | - | - | No |

- = not assigned or not applicable.

| | |
|---|---|
| Special precautions for user | Follow standard laboratory transport and packaging precautions. |
| Transport in bulk according to MARPOL / IBC | Not applicable. |

## 15 REGULATORY INFORMATION

| | |
|---|---|
| Safety, health and environmental regulations / legislation | The EU REACH / CLP framework applies as relevant to the supplied mixture or substance. No additional specific authorisations or restrictions are identified in the supplied regulatory entries. |
| Environmental hazards | Guanidine hydrochloride: slightly hazardous to water (reported hazard class 1). |
| Chemical safety assessment | No chemical safety assessment is reported for the product. |

## 16 OTHER INFORMATION

**Key to abbreviations and acronyms**

| | |
|---|---|
| STOT-SE | Specific target organ toxicity - single exposure |
| STOT-RE | Specific target organ toxicity - repeated exposure |
| PBT | Persistent, bioaccumulative and toxic |
| vPvB | Very persistent and very bioaccumulative |
| ADR | International carriage of dangerous goods by road |
| CAS | Chemical Abstracts Service |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods Code |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | International transport of dangerous goods by rail |

# Safety data sheet

Wash Buffer 1

| | |
|---|---|
| Product name<br>Wash Buffer 1 | Catalog no.<br>E2075 |
| Synonyms<br>- | Original issue<br>12 June 2026 |
| CAS no.<br>- | Revision / date<br>v4 / 25 October 2026 |

## 01 PRODUCT AND COMPANY IDENTIFICATION

| | |
|---|---|
| Product identifier | Wash Buffer 1 |
| Product code | E2075 |
| CAS number | - |
| EC number | - |
| Recommended use | Wash Buffer 1 reagent in EcoTech E2075 / E2075 research kits. For research use only; not for diagnostic or therapeutic use. |
| Supplier | EcoTech Biotechnology |
| Website | www.ecotechbiotech.com |
| Address | Universite Mah. İpekyolu Cad. Ata Teknokent Sitesi B Blok No: Z10 Yakutiye Erzurum Türkiye |
| Telephone | 0090 544 327 34 97 |
| SDS contact | info@ecotechbiotech.com |
| Emergency telephone | 0090 544 327 34 97 |
| Available | Monday-Saturday/08:00-20:00/GMT+3 |
| Languages | Turkish/English |
| Outside these hours | Contact: info@ecotechbiotech.com |

## 02 HAZARDS IDENTIFICATION

| | |
|---|---|
| GHS/CLP classification | Not classified as hazardous under Regulation (EC) No. 1272/2008 (CLP). |
| Hazard statements | None |
| GHS pictograms | None |
| Signal word | None |
| Precautionary statements - prevention | Follow standard laboratory hygiene and wear suitable personal protective equipment. |
| Precautionary statements - response | Rinse exposed skin or eyes with water; seek medical advice if symptoms occur. |
| Other hazards | No other hazards identified in the supplied classification. |

# Composition & response

Wash Buffer 1 | SAFETY DATA SHEET / SECTIONS 03-05

## 03 COMPOSITION / INFORMATION ON INGREDIENTS

| | |
|---|---|
| Product name | Wash Buffer 1 |
| Synonyms | - |
| Concentration | - |
| Formula | - |
| Molecular weight | - |
| Product form | Liquid mixture |
| Composition / ingredient information | Sodium acetate (CAS 127-09-3): 20-25% by weight. |

## 04 FIRST AID MEASURES

### 4.1 Description of first aid measures

| | |
|---|---|
| Eye contact | Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do; continue rinsing. |
| Skin contact | Rinse affected skin thoroughly with water. Seek medical advice if irritation persists. |
| Inhalation | Move to fresh air. Seek medical advice if discomfort or symptoms occur. |
| Ingestion | Rinse mouth. Do not induce vomiting without medical advice. Seek medical advice if unwell. |
| Self-protection of the first aider | Use personal protective equipment as required. |
| Most important symptoms and effects | No specific symptoms provided. |
| Immediate medical attention / treatment | Treat symptomatically; obtain medical advice if symptoms persist. |

## 05 FIREFIGHTING MEASURES

| | |
|---|---|
| Suitable extinguishing media | Water spray, carbon dioxide (CO2), foam or dry chemical. |
| Unsuitable extinguishing media | No information available. |
| Special hazards arising from the product | Fire may generate carbon oxides and sodium oxides. |
| Explosion data | No information on mechanical impact or static discharge sensitivity. |
| Advice for firefighters | Wear appropriate protective gear and self-contained breathing apparatus where necessary. |

# Safe use & protection

Wash Buffer 1 | SAFETY DATA SHEET / SECTIONS 06-08

## 06 ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions, protective equipment and emergency procedures | Use appropriate protective equipment and adequate ventilation; avoid contact with skin and eyes. |
| Environmental precautions | Prevent significant releases to drains and waterways. |
| Methods and materials for containment and cleaning up | Absorb using inert absorbent material and collect in suitable closed containers. |
| Reference to other sections | Refer to Section 8 for PPE and Section 13 for waste handling. |

## 07 HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Ensure good ventilation, avoid eye and skin contact, and wear suitable protective equipment. |
| Conditions for safe storage | Keep tightly closed in a cool, dry, well-ventilated area away from incompatible substances. |
| Container labelling | Keep in properly labelled containers, closed when not in use. |

## 08 EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

No product-specific occupational exposure limit values are identified.

### 8.2 Exposure controls

| | |
|---|---|
| Engineering measures | Ensure adequate ventilation, particularly in enclosed work areas. |
| Hygiene measures | Do not eat, drink or smoke while handling. Wash hands, forearms and face after handling. |
| Eye / face protection | Safety glasses with side shields conforming to EN 166. |
| Hand protection | Chemical-resistant protective gloves; inspect gloves before use. |
| Skin and body protection | Laboratory coat or other protective clothing suitable for the exposure conditions. |
| Respiratory protection | Use suitable respiratory protection if ventilation is inadequate. |

# Material properties

Wash Buffer 1 | SAFETY DATA SHEET / SECTIONS 09-10

## 09 PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

| | |
|---|---|
| Appearance | Liquid |
| Odor | No data available |
| Odor threshold | No data available |
| pH | No data available |
| Melting point / freezing point | No data available |
| Initial boiling point and boiling range | No data available |
| Flash point | No data available |
| Evaporation rate | No data available |
| Flammability (solid, gas) | No data available |
| Upper / lower flammability or explosive limits | No data available |
| Vapor pressure | No data available |
| Vapor density | No data available |
| Relative density | No data available |
| Solubility(ies) | No data available |
| Partition coefficient: n-octanol / water | No data available |
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |
| Viscosity | No data available |
| Explosive properties | No data available |
| Oxidizing properties | No data available |

## 10 STABILITY AND REACTIVITY

| | |
|---|---|
| Reactivity | Stable |
| Chemical stability | Stable at a cool and dry place. |
| Possibility of hazardous reactions | No data available |
| Conditions to avoid | No information available. |
| Incompatible materials | No dangerous reaction known under conditions of normal use. |
| Hazardous decomposition products | No data available |

# Health & environment

Wash Buffer 1 | SAFETY DATA SHEET / SECTIONS 11-13

## 11 TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

| | |
|---|---|
| Acute toxicity | Sodium acetate: LD50 oral 2,700 mg/kg (rat); LD50 dermal >20,000 mg/kg (rabbit); LC50 inhalation >5.6 mg/L (rat, 4 h). |
| Skin corrosion / irritation | Data are conclusive but insufficient for classification. |
| Serious eye damage / eye irritation | Data are conclusive but insufficient for classification. |
| Carcinogenicity | None of the ingredients is listed. |
| Reproductive toxicity | No data available |
| STOT - SE | No data available |
| STOT - RE | No data available |
| Aspiration hazard | No data available |

### 11.2 Potential health effects

Ingestion: May be harmful if swallowed.
Inhalation: May be harmful if inhaled and may irritate the respiratory tract.
Skin: May cause irritation.
Eyes: Irritation and serious eye damage are described in the toxicology data.

### 11.3 Additional information

No additional toxicological information available.

## 12 ECOLOGICAL INFORMATION

| | |
|---|---|
| Ecotoxicity | Contains no substances known to be hazardous to the environment at the concentrations specified. |
| Persistence and degradability | No data available |
| Bioaccumulative potential | No data available |
| Mobility in soil | No data available |
| Results of PBT and vPvB assessment | PBT/vPvB assessment not available as chemical safety assessment is not required/was not conducted. |

## 13 DISPOSAL CONSIDERATIONS

### Waste treatment methods

| | |
|---|---|
| Product | Use a licensed professional waste disposal service as appropriate. Follow all applicable local and national requirements. |
| Contaminated packaging | Dispose of as unused product. Do not reuse empty containers. |

# Transport & reference

Wash Buffer 1 | SAFETY DATA SHEET / SECTIONS 14-16

## 14 TRANSPORT INFORMATION

| Mode | UN no. | UN proper shipping name | Hazard class | Packing group | Env. hazard |
|---|---|---|---|---|---|
| ADR/RID | - | Not regulated as dangerous goods | - | - | No |
| IMDG | - | Not regulated as dangerous goods | - | - | No |
| IATA | - | Not regulated as dangerous goods | - | - | No |

- = not assigned or not applicable.

| | |
|---|---|
| Special precautions for user | Follow standard laboratory transport and packaging precautions. |
| Transport in bulk according to MARPOL / IBC | Not applicable. |

## 15 REGULATORY INFORMATION

| | |
|---|---|
| Safety, health and environmental regulations / legislation | The EU REACH / CLP framework applies as relevant to the supplied mixture or substance. No additional specific authorisations or restrictions are identified in the supplied regulatory entries. |
| Environmental hazards | Not applicable. |
| Chemical safety assessment | No chemical safety assessment is reported for the product. |

## 16 OTHER INFORMATION

**Key to abbreviations and acronyms**

| | |
|---|---|
| STOT-SE | Specific target organ toxicity - single exposure |
| STOT-RE | Specific target organ toxicity - repeated exposure |
| PBT | Persistent, bioaccumulative and toxic |
| vPvB | Very persistent and very bioaccumulative |
| ADR | International carriage of dangerous goods by road |
| CAS | Chemical Abstracts Service |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods Code |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | International transport of dangerous goods by rail |

# Safety data sheet

Wash Buffer 2 (concentrated)

| | |
|---|---|
| Product name<br>Wash Buffer 2 (concentrated) | Catalog no.<br>E2075 |
| Synonyms<br>- | Original issue<br>12 June 2026 |
| CAS no.<br>- | Revision / date<br>v4 / 25 October 2026 |

## 01 PRODUCT AND COMPANY IDENTIFICATION

| | |
|---|---|
| Product identifier | Wash Buffer 2 (concentrated) |
| Product code | E2075 |
| CAS number | - |
| EC number | - |
| Recommended use | Wash Buffer 2 (concentrated) reagent in EcoTech E2075 / E2075 research kits. For research use only; not for diagnostic or therapeutic use. |
| Supplier | EcoTech Biotechnology |
| Website | www.ecotechbiotech.com |
| Address | Universite Mah. İpekyolu Cad. Ata Teknokent Sitesi B Blok No: Z10 Yakutiye Erzurum Türkiye |
| Telephone | 0090 544 327 34 97 |
| SDS contact | info@ecotechbiotech.com |
| Emergency telephone | 0090 544 327 34 97 |
| Available | Monday-Saturday/08:00-20:00/GMT+3 |
| Languages | Turkish/English |
| Outside these hours | Contact: info@ecotechbiotech.com |

## 02 HAZARDS IDENTIFICATION

| | |
|---|---|
| GHS/CLP classification | Not classified as hazardous under Regulation (EC) No. 1272/2008 (CLP). |
| Hazard statements | None |
| GHS pictograms | None |
| Signal word | None |
| Precautionary statements - prevention | Follow standard laboratory hygiene and wear suitable personal protective equipment. |
| Precautionary statements - response | Rinse exposed skin or eyes with water; seek medical advice if symptoms occur. |
| Other hazards | No other hazards identified in the supplied classification. |

# Composition & response

Wash Buffer 2 (concentrated) | SAFETY DATA SHEET / SECTIONS 03-05

## 03 COMPOSITION / INFORMATION ON INGREDIENTS

| | |
|---|---|
| Product name | Wash Buffer 2 (concentrated) |
| Synonyms | - |
| Concentration | - |
| Formula | - |
| Molecular weight | - |
| Product form | Liquid mixture |
| Composition / ingredient information | No hazardous components requiring disclosure at supplied concentrations are identified. |

## 04 FIRST AID MEASURES

### 4.1 Description of first aid measures

| | |
|---|---|
| Eye contact | Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do; continue rinsing. |
| Skin contact | Rinse affected skin thoroughly with water. Seek medical advice if irritation persists. |
| Inhalation | Move to fresh air. Seek medical advice if discomfort or symptoms occur. |
| Ingestion | Rinse mouth. Do not induce vomiting without medical advice. Seek medical advice if unwell. |
| Self-protection of the first aider | Use personal protective equipment as required. |
| Most important symptoms and effects | No specific symptoms provided. |
| Immediate medical attention / treatment | Treat symptomatically; obtain medical advice if symptoms persist. |

## 05 FIREFIGHTING MEASURES

| | |
|---|---|
| Suitable extinguishing media | Water spray, carbon dioxide (CO2), foam or dry chemical. |
| Unsuitable extinguishing media | No information available. |
| Special hazards arising from the product | No specific fire hazards identified. |
| Explosion data | No information on mechanical impact or static discharge sensitivity. |
| Advice for firefighters | Wear appropriate protective gear and self-contained breathing apparatus where necessary. |

# Safe use & protection

Wash Buffer 2 (concentrated) | SAFETY DATA SHEET / SECTIONS 06-08

## 06 ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions, protective equipment and emergency procedures | Use appropriate protective equipment and adequate ventilation; avoid contact with skin and eyes. |
| Environmental precautions | No special environmental precautions specified. |
| Methods and materials for containment and cleaning up | Absorb using inert absorbent material and collect in suitable closed containers. |
| Reference to other sections | Refer to Section 8 for PPE and Section 13 for waste handling. |

## 07 HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Handle with standard laboratory hygiene, suitable PPE and adequate ventilation. |
| Conditions for safe storage | Keep tightly closed in a cool, dry, well-ventilated area away from incompatible substances. |
| Container labelling | Keep in properly labelled containers, closed when not in use. |

## 08 EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

No product-specific occupational exposure limit values are identified.

### 8.2 Exposure controls

| | |
|---|---|
| Engineering measures | Ensure adequate ventilation, particularly in enclosed work areas. |
| Hygiene measures | Do not eat, drink or smoke while handling. Wash hands, forearms and face after handling. |
| Eye / face protection | Tight-sealing safety goggles. |
| Hand protection | Chemical-resistant protective gloves; inspect gloves before use. |
| Skin and body protection | Laboratory coat or other protective clothing suitable for the exposure conditions. |
| Respiratory protection | Use suitable respiratory protection if ventilation is inadequate. |

# Material properties

Wash Buffer 2 (concentrated) | SAFETY DATA SHEET / SECTIONS 09-10

## 09 PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

| | |
|---|---|
| Appearance | Liquid |
| Odor | No data available |
| Odor threshold | No data available |
| pH | 7.5 |
| Melting point / freezing point | No data available |
| Initial boiling point and boiling range | No data available |
| Flash point | No data available |
| Evaporation rate | No data available |
| Flammability (solid, gas) | No data available |
| Upper / lower flammability or explosive limits | No data available |
| Vapor pressure | No data available |
| Vapor density | No data available |
| Relative density | No data available |
| Solubility(ies) | No data available |
| Partition coefficient: n-octanol / water | No data available |
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |
| Viscosity | No data available |
| Explosive properties | No data available |
| Oxidizing properties | No data available |

## 10 STABILITY AND REACTIVITY

| | |
|---|---|
| Reactivity | Stable. |
| Chemical stability | Stable at a cool and dry place. |
| Possibility of hazardous reactions | Hazardous reaction has not been reported. |
| Conditions to avoid | No information available. |
| Incompatible materials | No dangerous reaction known under conditions of normal use. |
| Hazardous decomposition products | No data available. |

# Health & environment

Wash Buffer 2 (concentrated) | SAFETY DATA SHEET / SECTIONS 11-13

## 11 TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

| | |
|---|---|
| Acute toxicity | No evidence of acute toxicity reported for the mixture. |
| Skin corrosion / irritation | Data are conclusive but insufficient for classification. |
| Serious eye damage / eye irritation | Data are conclusive but insufficient for classification. |
| Carcinogenicity | Data are conclusive but insufficient for classification. |
| Reproductive toxicity | Data are conclusive but insufficient for classification. |
| STOT - SE | Data are conclusive but insufficient for classification. |
| STOT - RE | Data are conclusive but insufficient for classification. |
| Aspiration hazard | Data are conclusive but insufficient for classification. |

### 11.2 Potential health effects

No mixture-specific adverse health effects reported; follow standard laboratory hygiene.

### 11.3 Additional information

No additional toxicological information available.

## 12 ECOLOGICAL INFORMATION

| | |
|---|---|
| Ecotoxicity | No specific environmental hazard identified in the supplied mixture classification. |
| Persistence and degradability | No data available |
| Bioaccumulative potential | No data available |
| Mobility in soil | No data available |
| Results of PBT and vPvB assessment | This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |

## 13 DISPOSAL CONSIDERATIONS

### Waste treatment methods

| | |
|---|---|
| Product | Use a licensed professional waste disposal service as appropriate. Follow all applicable local and national requirements. |
| Contaminated packaging | Dispose of as unused product. Do not reuse empty containers. |

# Transport & reference

Wash Buffer 2 (concentrated) | SAFETY DATA SHEET / SECTIONS 14-16

## 14 TRANSPORT INFORMATION

| Mode | UN no. | UN proper shipping name | Hazard class | Packing group | Env. hazard |
|---|---|---|---|---|---|
| ADR/RID | - | Not regulated as dangerous goods | - | - | No |
| IMDG | - | Not regulated as dangerous goods | - | - | No |
| IATA | - | Not regulated as dangerous goods | - | - | No |

- = not assigned or not applicable.

| | |
|---|---|
| Special precautions for user | Follow standard laboratory transport and packaging precautions. |
| Transport in bulk according to MARPOL / IBC | Not applicable. |

## 15 REGULATORY INFORMATION

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| Safety, health and environmental regulations / legislation | The EU REACH / CLP framework applies as relevant to the supplied mixture or substance. No additional specific authorisations or restrictions are identified in the supplied regulatory entries. |
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## 16 OTHER INFORMATION

**Key to abbreviations and acronyms**

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