

A Geno Technology, Inc. (USA) brand name

Safety Data Sheet

Cat. # 786-255

FOCUS™ PhosphoRich™

Size: 5 Preps



Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 08/25/2016 Revision date: 08/15/2017 Version: 7.1

SECTION 1: Identification

1.1. Identification

Product form : Mixture

Product name : Phospho-Columns

Product code : 124P

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Geno Technology, Inc./ G-Biosciences 9800 Page Avenue Saint Louis, 63132-1429 - United States T 800-628-7730 - F 314-991-1504

technical@GBiosciences.com - www.GBiosciences.com

1.4. Emergency telephone number

Emergency number : Chemtrec 1-800-424-9300 (USA/Canada), +1-703-527-3887 (Intl)

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

| Name | Common Name (Synonyms) | Product identifier | % | GHS US classification |
|-------------------------|---|--------------------|------------|--|
| ethanol | ethanol (ethyl alcohol) / ethanol, anhydrous, undenatured / ethyl alcohol | (CAS-No.) 64-17-5 | 10 - 50 | Flam. Liq. 2, H225 |
| acetic acid (Note B) | acetic acid / Aci-Gel / Aci-Jel / alcohol of vinegar / carboxylic acid C2 / E260 / ethanoic acid / ethylic acid / FEMA No 2006 / fema number 2006 / glacial acetic acid / methanecarboxylic acid / pyroligneous acid / vinegar / vinegar acid / vosol | (CAS-No.) 64-19-7 | 0.05 - 0.5 | Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation:vapour), H332 Skin Corr. 1A, H314 |

Note B: Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

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

SECTION 4: First-aid measures

4.1. Description of first aid measures

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.

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First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

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

No additional information available

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 : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Specific hazards arising from the chemical

No additional information available

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to tak

 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

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

6.1.2. 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".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

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.

7.2. Conditions for safe storage, including any incompatibilities

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Phospho-Columns | | | |
|--|-------------------------------------|--|--|
| No additional information available | No additional information available | | |
| acetic acid (64-19-7) | | | |
| USA - ACGIH - Occupational Exposure Limits | | | |
| ACGIH TWA (ppm) | 10 ppm | | |
| ACGIH STEL (ppm) | 15 ppm | | |
| ethanol (64-17-5) | | | |
| USA - ACGIH - Occupational Exposure Limits | | | |
| ACGIH STEL (ppm) | 1000 ppm | | |

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

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Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Color : No data available
Odor : No data available
Odor threshold : No data available
pH : No data available
Melting point : Not applicable
Freezing point : No data available
Boiling point : No data available

Flash point : > 95 °C

Relative evaporation rate (butyl acetate=1) : No data available Flammability (solid, gas) : Not applicable. : No data available Vapor pressure Relative vapor density at 20 °C : No data available Relative density : No data available Solubility No data available Log Pow : No data available Auto-ignition temperature : No data available Decomposition temperature : No data available : No data available Viscosity, kinematic 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

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

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

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10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Hazardous decomposition products.

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

| acetic acid (64-19-7) | |
|----------------------------|--|
| LD50 oral rat | 3310 mg/kg body weight (Rat, Male / female, Experimental value, Oral) |
| LC50 inhalation rat (mg/l) | 11.4 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Female, Experimental value, Inhalation (vapours), 14 day(s)) |
| ATE US (oral) | 3310 mg/kg body weight |
| ATE US (vapors) | 11.4 mg/l/4h |
| ATE US (dust, mist) | 11.4 mg/l/4h |

| ethanol (64-17-5) | |
|----------------------------|--|
| LD50 oral rat | 10740 mg/kg body weight (Rat; OECD 401: Acute Oral Toxicity; Experimental value) |
| LD50 dermal rabbit | > 16000 mg/kg (Rabbit; Literature study) |
| LC50 inhalation rat (mg/l) | > 20 mg/l (4 h, Rat, Inhalation) |

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

ethanol (64-17-5)

IARC group 1 - Carcinogenic to humans

Reproductive toxicity : Not classified

Specific target organ toxicity – single exposure : Not classified

Specific target organ toxicity – repeated : Not classified

exposure

Aspiration hazard : Not classified
Viscosity, kinematic : No data available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

| acetic acid (64-19-7) | |
|-----------------------|--|
| LC50 fish 1 | > 1000 mg/l (Equivalent or similar to OECD 203, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value) |
| EC50 Daphnia 1 | > 1000 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value) |
| ethanol (64-17-5) | |
| LC50 fish 1 | 14200 mg/l (US EPA, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value) |
| EC50 Daphnia 1 | 9300 mg/l (48 h, Daphnia magna, Pure substance) |

12.2. Persistence and degradability

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| acetic acid (64-19-7) | |
|---------------------------------|--|
| Persistence and degradability | Readily biodegradable in the soil. Readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | 0.6 - 0.74 g O ₂ /g substance |
| Chemical oxygen demand (COD) | 1.03 g O ₂ /g substance |
| ThOD | 1.07 g O ₂ /g substance |
| ethanol (64-17-5) | |
| Persistence and degradability | Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the substance available. |
| Biochemical oxygen demand (BOD) | 0.8 - 0.967 g O ₂ /g substance |
| Chemical oxygen demand (COD) | 1.7 g O ₂ /g substance |
| ThOD | 2.1 g O ₂ /g substance |
| BOD (% of ThOD) | 0.43 |

12.3. Bioaccumulative potential

| acetic acid (64-19-7) | |
|---------------------------|--|
| BCF fish 1 | 3.16 (Pisces, Fresh water, QSAR) |
| Log Pow | -0.17 (Experimental value, 25 °C) |
| Bioaccumulative potential | Not bioaccumulative. |
| ethanol (64-17-5) | |
| BCF fish 1 | 1 (Other, 72 h, Cyprinus carpio, Static system, Fresh water, Read-across) |
| Log Pow | -0.35 (Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 24 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

12.4. Mobility in soil

| acetic acid (64-19-7) | | |
|-----------------------|--|--|
| Surface tension | 26.3 mN/m (30 °C) | |
| Ecology - soil | Highly mobile in soil. May be harmful to plant growth, blooming and fruit formation. | |
| ethanol (64-17-5) | | |
| Surface tension | 0.0245 N/m (20 °C) | |
| Ecology - soil | Highly mobile in soil. | |

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Waste treatment methods.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not applicable

Transportation of Dangerous Goods

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

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SECTION 15: Regulatory information

15.1. US Federal regulations

acetic acid (64-19-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory Not subject to reporting requirements of the United States SARA Section 313

CERCLA RQ 5000 lb

ethanol (64-17-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

acetic acid (64-19-7)

Listed on the Canadian DSL (Domestic Substances List)

ethanol (64-17-5)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

National regulations

ethanol (64-17-5)

Listed on IARC (International Agency for Research on Cancer)

15.3. US State regulations

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 08/15/2017

Full text of H-phrases:

| H225 | Highly flammable liquid and vapour |
|------|---|
| H226 | Flammable liquid and vapour |
| H314 | Causes severe skin burns and eye damage |
| H332 | Harmful if inhaled |

SDS US (GHS HazCom 2012)

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.

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Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 08/25/2016 Revision date: 05/11/2017 Version: 7.1

SECTION 1: Identification

1.1. Identification

Product form : Mixture

Product name : Phospho-Elution Buffer [5X]

Product code : 131P

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Geno Technology, Inc./ G-Biosciences 9800 Page Avenue Saint Louis, 63132-1429 - United States T 800-628-7730 - F 314-991-1504

technical@GBiosciences.com - www.GBiosciences.com

1.4. Emergency telephone number

Emergency number : Chemtrec 1-800-424-9300 (USA/Canada), +1-703-527-3887 (Intl)

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

| Name | Common Name (Synonyms) | Product identifier | % | GHS US classification |
|----------------------|---|---------------------|---------|--|
| ammonium bicarbonate | acid ammonium carbonate / ammonium acid carbonate / ammonium carbonate / ammonium hydrogencarbonate / B783 / carbonic acid, monoammonium salt / monoammonium carbonate | (CAS-No.) 1066-33-7 | 0.5 - 2 | Acute Tox. 4 (Oral), H302 Aquatic Acute 3, H402 |

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

SECTION 4: First-aid measures

4.1. Description of first aid measures

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.

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

No additional information available

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

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SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Specific hazards arising from the chemical

No additional information available

5.3. Special protective equipment and precautions for fire-fighters

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

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

6.1.2. 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".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

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.

7.2. Conditions for safe storage, including any incompatibilities

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Phospho-Elution Buffer [5X]

No additional information available

ammonium bicarbonate (1066-33-7)

No additional information available

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/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

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Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Color : No data available Odor No data available : No data available Odor threshold рΗ : No data available : Not applicable Melting point Freezing point : No data available : No data available **Boiling point** : No data available Flash point 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 Log Pow No data available Auto-ignition temperature : No data available Decomposition temperature No data available Viscosity, kinematic : No data available : No data available Viscosity, dynamic **Explosion limits** No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Explosive properties

Oxidizing properties

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

No data availableNo data available

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

Hazardous decomposition products.

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

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| ammonium bicarbonate (1066-33-7) | |
|--|---|
| LD50 oral rat | 1576 mg/kg (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s)) |
| ATE US (oral) | 1576 mg/kg body weight |
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation | : Not classified |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| Specific target organ toxicity – single exposure | : Not classified |
| Specific target organ toxicity – repeated exposure | : Not classified |
| Aspiration hazard | : Not classified |
| Viscosity, kinematic | : No data available |

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

| ammonium bicarbonate (1066-33-7) | |
|----------------------------------|---|
| LC50 fish 1 | 63.4 mg/l (US EPA, 96 h, Oncorhynchus mykiss, Fresh water, Expert judgement) |
| EC50 Daphnia 1 | 202 mg/l (US EPA, 48 h, Daphnia magna, Static system, Fresh water, Expert judgement, Locomotor effect) |
| ErC50 (algae) | 1921 mg/l (Other, 5 day(s), Chlorella vulgaris, Static system, Fresh water, Read-across, Nominal concentration) |

12.2. Persistence and degradability

| ammonium bicarbonate (1066-33-7) | | |
|----------------------------------|-------------------------------------|--|
| Persistence and degradability | Not readily biodegradable in water. | |
| Chemical oxygen demand (COD) | Not applicable (inorganic) | |
| ThOD | Not applicable (inorganic) | |

12.3. Bioaccumulative potential

| ammonium bicarbonate (1066-33-7) | |
|----------------------------------|---------------------------------|
| Log Pow | -3.08 (Estimated value, KOWWIN) |
| Bioaccumulative potential | Not bioaccumulative. |

12.4. Mobility in soil

| ammonium bicarbonate (1066-33-7) | |
|----------------------------------|-------------------------------------|
| Ecology - soil | Low potential for mobility in soil. |

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Waste treatment methods.

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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not applicable

Transportation of Dangerous Goods

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

| ammonium bicarbonate (1066-33-7) | |
|--|--|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory Not subject to reporting requirements of the United States SARA Section 313 | |
| CERCLA RQ 5000 lb | |

15.2. International regulations

CANADA

ammonium bicarbonate (1066-33-7)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

National regulations

No additional information available

15.3. US State regulations

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 05/11/2017

Full text of H-phrases:

| H302 | Harmful if swallowed |
|------|-------------------------|
| H402 | Harmful to aquatic life |

SDS US (GHS HazCom 2012)

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.

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Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 02/06/2014 Revision date: 05/11/2017 Version: 7.1

SECTION 1: Identification

1.1. Identification

Product form : Mixture

Product name : Phospho-Lysis Buffer [1X]

Product code : 159P

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Geno Technology, Inc./ G-Biosciences 9800 Page Avenue Saint Louis, 63132-1429 - United States T 800-628-7730 - F 314-991-1504

technical@GBiosciences.com - www.GBiosciences.com

1.4. Emergency telephone number

Emergency number : Chemtrec 1-800-424-9300 (USA/Canada), +1-703-527-3887 (Intl)

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

| Name | Common Name (Synonyms) | Product identifier | % | GHS US classification |
|--|--|---------------------|------------|---|
| polyethyleneglycol para-(1,1,3,3- tetramethylbutyl)phenyl ether | 2-[4-(2,4,4-trimethylpentan-2-yl)phenoxy]ethanol / 4(1,1,3,3-tetramethylbutyl)phenyl polyethylene glycol / poly(oxy-1,2-ethanediyl), alpha-(4-(1,1,3,3-tetramethylbutyl)phenyl)-omegahydroxy- / polyethylene glycol tertoctylphenyl ether / tertoctylphenoxypolyethoxyethanol / TRITON X-100 | (CAS-No.) 9002-93-1 | 0.05 - 0.5 | Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Aquatic Acute 2, H401 Aquatic Chronic 2, H411 |

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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| Name | Common Name (Synonyms) | Product identifier | % | GHS US classification |
|-----------------|--|---------------------|------------|--|
| sodium fluoride | alcoa sodium fluoride / antibulit / caribium / cavi-trol / chemifluor / credo / disodium difluoride / duraphat / F1-tabs / FDA 0101 / floridine / florocid / flozenges / fluoral / fluoride of sodium / fluorident / fluoros / flura / flura drops / fluragel / flura-loz / flurcare / flursol / fungol B / GEL II / geluton / gleem / iradicav / karidium / karigel / karirinse / lea-cov / lemoflur / luride / luride lozi-tabs / luride-SF / Na frinse / nafeen / nafpak / nat. villiaumite / Natriumfluorid / nufluor / ossalin / ossin / osteofluor / pediaflor / pedident / pennwhite / pergantene / phos-flur / point two / predent / rafluor / rescue squad / Roach salt / sodium fluoride / sodium fluoride cyclic dimer / sodium fluoride cyclic dimer / sodium fluoride / sodium hydrofluoride / sodium monofluoride / SO-Flo / stay-flo / studafluor / super-dent / T-fluoride / thera-flur / thera-flur - N / trisodium trifluoride / villiaumite (=sodium fluoride) / villiaumite (=sodium fluoride) / villiaumite (=sodium fluoride) / zymafluor | (CAS-No.) 7681-49-4 | 0.05 - 0.5 | Acute Tox. 3 (Oral), H301 Skin Irrit. 2, H315 Eye Irrit. 2, H319 |
| 1H-imidazole | 1,3-diaza-2,4-cyclopentadiene / 1,3-diazole / 1H Imidazole / formamidine, N,N'-vinylene- / glyoxaline / imidazole / IMUTEX / MIAZOLE / N,N'- vinyleneformamidine / pyrro(b)monazole / USAF EK4733 | (CAS-No.) 288-32-4 | 0.05 - 0.5 | Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 |

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

SECTION 4: First-aid measures

4.1. Description of first aid measures

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.

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

No additional information available

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 : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Specific hazards arising from the chemical

No additional information available

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

6.1.2. 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".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

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

7.2. Conditions for safe storage, including any incompatibilities

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Phospho-Lysis Buffer [1X]

No additional information available

1H-imidazole (288-32-4)

No additional information available

polyethyleneglycol para-(1,1,3,3-tetramethylbutyl)phenyl ether (9002-93-1)

No additional information available

sodium fluoride (7681-49-4)

USA - ACGIH - Occupational Exposure Limits

ACGIH TWA (mg/m³) 2.5 mg/m³

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/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

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Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Color : Clear
Odor : None

Odor threshold : No data available No data available : Not applicable Melting point Freezing point : No data available : No data available Boiling point Flash point : No data available Relative evaporation rate (butyl acetate=1) : No data available Flammability (solid, gas) : Not applicable. : No data available Vapor pressure Relative vapor density at 20 °C : No data available Relative density : No data available : No data available Solubility Log Pow : No data available : No data available Auto-ignition temperature 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

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

Hazardous decomposition products.

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

| 1H-imidazole (288-32-4) | |
|-------------------------|--|
| LD50 oral rat | 970 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Experimental value, Oral) |
| ATE US (oral) | 970 mg/kg body weight |

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| obraing to Fodorial Regional 7 vol. 77, 110. 007 monday, march 20, 2012 / Raido and Regionaliono | | |
|--|---|--|
| polyethyleneglycol para-(1,1,3,3-tetramethylbutyl)phenyl ether (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 | |
| sodium fluoride (7681-49-4) | | |
| LD50 oral rat | 52 mg/kg (Rat, Oral) | |
| ATE US (oral) | 100 mg/kg body weight | |
| Skin corrosion/irritation | : Not classified | |
| Serious eye damage/irritation | : Not classified | |
| Respiratory or skin sensitization | : Not classified | |
| Germ cell mutagenicity | : Not classified | |
| Carcinogenicity | : Not classified | |
| Reproductive toxicity | : Not classified | |
| Specific target organ toxicity – single exposure | : Not classified | |
| Specific target organ toxicity – repeated exposure | : Not classified | |
| Aspiration hazard | : Not classified | |

SECTION 12: Ecological information

12.1. Toxicity

Viscosity, kinematic

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse

effects in the environment.

: No data available

| 1H-imidazole (288-32-4) | | |
|--|--|--|
| LC50 fish 1 | 283.6 mg/l (Other, 48 h, Leuciscus idus, Static system, Fresh water, Experimental value, Nominal concentration) | |
| EC50 Daphnia 1 | 341.5 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Nominal concentration) | |
| ErC50 (algae) | 133 mg/l (DIN 38412: German standard methods for the examination of water, waste water and sludge, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration) | |
| polyethyleneglycol para-(1,1,3,3-tetramethylbutyl)phenyl ether (9002-93-1) | | |
| LC50 fish 1 | 8.9 mg/l (96 h, Pimephales promelas, Literature study) | |
| EC50 Daphnia 1 | 26 mg/l (48 h, Daphnia magna, Literature study) | |
| sodium fluoride (7681-49-4) | | |
| LC50 fish 1 | > 530 mg/l (96 h, Lepomis macrochirus) | |
| EC50 Daphnia 1 | 98 mg/l (48 h, Daphnia magna) | |

12.2. Persistence and degradability

| 1H-imidazole (288-32-4) | | | |
|--|--|--|--|
| Persistence and degradability | Readily biodegradable in the soil. Readily biodegradable in water. | | |
| polyethyleneglycol para-(1,1,3,3-tetramethylbutyl)phenyl ether (9002-93-1) | | | |
| Persistence and degradability | Not readily biodegradable in water. | | |
| Chemical oxygen demand (COD) | 2.19 mg/g | | |
| ThOD | 2.16 g O ₂ /g substance | | |
| sodium fluoride (7681-49-4) | | | |
| Persistence and degradability | Biodegradability: not applicable. | | |
| Chemical oxygen demand (COD) | Not applicable | | |
| ThOD | Not applicable | | |

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| sodium fluoride (7681-49-4) | |
|-----------------------------|----------------|
| BOD (% of ThOD) | Not applicable |

12.3. Bioaccumulative potential

| 1H-imidazole (288-32-4) | | |
|--|---|--|
| Log Pow | -0.02 (Weight of evidence approach, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C) | |
| Bioaccumulative potential | Not bioaccumulative. | |
| polyethyleneglycol para-(1,1,3,3-tetramethylbutyl)phenyl ether (9002-93-1) | | |
| Log Pow | 4.86 (Estimated value) | |
| Bioaccumulative potential | Potential for bioaccumulation (4 ≥ Log Kow ≤ 5). | |
| sodium fluoride (7681-49-4) | | |
| BCF fish 1 | 2.3 (Salmo gairdneri) | |
| Bioaccumulative potential | Not bioaccumulative. | |

12.4. Mobility in soil

| 1H-imidazole (288-32-4) | | |
|--|---|--|
| Log Koc | 1.36 - 2.32 (log Koc, Calculated value) | |
| Ecology - soil | Low potential for adsorption in soil. | |
| polyethyleneglycol para-(1,1,3,3-tetramethylbutyl)phenyl ether (9002-93-1) | | |
| Ecology - soil | No (test)data on mobility of the substance available. | |
| sodium fluoride (7681-49-4) | | |
| Ecology - soil | Toxic to flora. | |

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Waste treatment methods.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated

Transportation of Dangerous Goods

Transport by sea

Not regulated

Air transport

Not regulated

SECTION 15: Regulatory information

15.1. US Federal regulations

1H-imidazole (288-32-4)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

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| polyethyleneglycol para-(1,1,3,3-tetramethylbutyl)phenyl ether (9002-93-1) | | |
|---|---------|--|
| Not listed on the United States TSCA (Toxic Substances Control Act) inventory | | |
| EPA TSCA Regulatory Flag XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711). | | |
| sodium fluoride (7681-49-4) | | |
| Not listed on the United States TSCA (Toxic Substances Control Act) inventory Not subject to reporting requirements of the United States SARA Section 313 | | |
| CERCLA RQ | 1000 lb | |

15.2. International regulations

CANADA

EU-Regulations

National regulations

No additional information available

15.3. US State regulations

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 05/11/2017

Full text of H-phrases:

| H301 | Toxic if swallowed |
|------|---|
| H302 | Harmful if swallowed |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |
| H401 | Toxic to aquatic life |
| H411 | Toxic to aquatic life with long lasting effects |

SDS US (GHS HazCom 2012)

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.

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Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 08/25/2016 Revision date: 08/15/2017 Version: 7.1

SECTION 1: Identification

1.1. Identification

Product form : Mixture

Product name : Phospho-Wash Buffer [10X]

Product code : 190P

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Geno Technology, Inc./ G-Biosciences 9800 Page Avenue Saint Louis, 63132-1429 - United States T 800-628-7730 - F 314-991-1504

technical@GBiosciences.com - www.GBiosciences.com

1.4. Emergency telephone number

Emergency number : Chemtrec 1-800-424-9300 (USA/Canada), +1-703-527-3887 (Intl)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Skin corrosion/irritation Category 2 H315 Causes skin irritation
Serious eye damage/eye irritation Category 2 H319 Causes serious eye irritation

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US)



Signal word (GHS US) : Warning

Hazard statements (GHS US) : H315 - Causes skin irritation

H319 - Causes serious eye irritation

Precautionary statements (GHS US) : P264 - Wash hands, forearms and face thoroughly after handling.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 - If on skin: Wash with plenty of water

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing

P321 - Specific treatment (see supplemental first aid instruction on this label)

P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse.

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

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| Name | Common Name (Synonyms) | Product identifier | % | GHS US classification |
|-------------------------|--|--------------------|---------|--|
| acetic acid (Note B) | acetic acid / Aci-Gel / Aci-Jel / alcohol of vinegar / carboxylic acid C2 / E260 / ethanoic acid / ethylic acid / FEMA No 2006 / fema number 2006 / glacial acetic acid / methanecarboxylic acid / pyroligneous acid / vinegar / vinegar acid / vosol | (CAS-No.) 64-19-7 | 0.5 - 2 | Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation:vapour), H332 Skin Corr. 1A, H314 |

Note B: Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... '%'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

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

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get

medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to

do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

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

Symptoms/effects after skin contact : Irritation.
Symptoms/effects after eye contact : Eye irritation.

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 : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Specific hazards arising from the chemical

No additional information available

5.3. Special protective equipment and precautions for fire-fighters

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

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

6.1.2. 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"."

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

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. Avoid contact with skin and eyes.

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: Do not eat, drink or smoke when using this product. Always wash hands after handling the Hygiene measures

product. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

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

SECTION 8: Exposure controls/personal protection

Control parameters

| Phospho-Wash Buffer [10X] | |
|--|--------|
| No additional information available | |
| acetic acid (64-19-7) | |
| USA - ACGIH - Occupational Exposure Limits | |
| ACGIH TWA (ppm) | 10 ppm |
| ACGIH STEL (ppm) | 15 ppm |

Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

Individual protection measures/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

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties 9.1.

Physical state : Liquid

Color : No data available : No data available Odor : No data available Odor threshold : No data available рΗ Melting point : Not applicable Freezing point : No data available Boiling point : No data available : > 95 °C

Flash point Relative evaporation rate (butyl acetate=1) : No data available Flammability (solid, gas) : Not applicable. Vapor pressure : No data available : No data available Relative vapor density at 20 °C Relative density : No data available Solubility : No data available Log Pow : No data available Auto-ignition temperature : No data available Decomposition temperature : No data available : No data available Viscosity, kinematic : No data available Viscosity, dynamic

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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

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

Hazardous decomposition products.

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

| acetic acid (64-19-7) | |
|----------------------------|--|
| LD50 oral rat | 3310 mg/kg body weight (Rat, Male / female, Experimental value, Oral) |
| LC50 inhalation rat (mg/l) | 11.4 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Female, Experimental value, Inhalation (vapours), 14 day(s)) |
| ATE US (oral) | 3310 mg/kg body weight |
| ATE US (vapors) | 11.4 mg/l/4h |
| ATE US (dust. mist) | 11.4 mg/l/4h |

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified

Specific target organ toxicity – single exposure : Not classified

Specific target organ toxicity – repeated : Not classified

exposure

Aspiration hazard : Not classified
Viscosity, kinematic : No data available

Symptoms/effects after skin contact : Irritation.
Symptoms/effects after eye contact : Eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

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| acetic acid (64-19-7) | |
|-----------------------|--|
| LC50 fish 1 | > 1000 mg/l (Equivalent or similar to OECD 203, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value) |
| EC50 Daphnia 1 | > 1000 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value) |

12.2. Persistence and degradability

| acetic acid (64-19-7) | |
|---------------------------------|--|
| Persistence and degradability | Readily biodegradable in the soil. Readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | 0.6 - 0.74 g O ₂ /g substance |
| Chemical oxygen demand (COD) | 1.03 g O ₂ /g substance |
| ThOD | 1.07 g O ₂ /g substance |

12.3. Bioaccumulative potential

| acetic acid (64-19-7) | |
|---------------------------|-----------------------------------|
| BCF fish 1 | 3.16 (Pisces, Fresh water, QSAR) |
| Log Pow | -0.17 (Experimental value, 25 °C) |
| Bioaccumulative potential | Not bioaccumulative. |

12.4. Mobility in soil

| acetic acid (64-19-7) | |
|-----------------------|--|
| Surface tension | 26.3 mN/m (30 °C) |
| Ecology - soil | Highly mobile in soil. May be harmful to plant growth, blooming and fruit formation. |

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Waste treatment methods.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not applicable

Transportation of Dangerous Goods

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

| acetic acid (64-19-7) | |
|---|---------|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Not subject to reporting requirements of the United States SARA Section 313 | |
| CERCLA RQ | 5000 lb |

15.2. International regulations

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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

CANADA

acetic acid (64-19-7)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

National regulations

No additional information available

15.3. US State regulations

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 08/15/2017

Full text of H-phrases:

| H226 | Flammable liquid and vapour |
|------|---|
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |
| H332 | Harmful if inhaled |

SDS US (GHS HazCom 2012)

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.

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