

A Geno Technology, Inc. (USA) brand name

Safety Data Sheet

Cat. # 786-453

Phosphatase Assay kit

Size: 1,000 Assays



Safety Data Sheet

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

Date of issue: 10/20/2016 Revision date: 05/11/2017 Version: 7.1

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : PA Buffer
Product code : 003P

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

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

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures 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

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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

 $: \ \, \text{Do not attempt to take action without suitable protective equipment. For further information}$

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

PA Buffer

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

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

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Odor : No data available Odor threshold : No data available 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 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 : No data available Viscosity, dynamic Explosion limits : No data available : No data available Explosive properties 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

Specific target organ toxicity - single exposure

Acute toxicity (oral) : Not classified : Not classified Acute toxicity (dermal) Acute toxicity (inhalation) : Not classified Skin corrosion/irritation : Not classified Serious eye damage/irritation : Not classified Respiratory or skin sensitization : Not classified Germ cell mutagenicity : Not classified Not classified Carcinogenicity Reproductive toxicity : Not classified

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: Not classified

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Specific target organ toxicity - repeated

exposure

: Not classified

: Not classified

: No data available

SECTION 12: Ecological information

12.1. Toxicity

Aspiration hazard

Viscosity, kinematic

Ecology - general

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

effects in the environment.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

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

No additional information available

15.2. International regulations

CANADA

EU-Regulations

National regulations

No additional information available

15.3. US State regulations

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SECTION 16: Other information

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

Revision date : 05/11/2017

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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Date of issue: 10/24/2016 Revision date: 05/11/2017 Version: 7.1

SECTION 1: Identification

1.1. Identification

Product form : Substance

Substance name : Phosphatase Assay Substrate

Product code : 005P

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

Name : Phosphatase Assay Substrate

	•			
Name	Common Name (Synonyms)	Product identifier	%	GHS US classification
Deionized water		(CAS-No.) 7732-18-5	0.08 -	Not classified

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Name	Common Name (Synonyms)	Product identifier	%	GHS US classification
Name Diethanolamine Soy Powder	Common Name (Synonyms) 2,2'-aminodiethanol, conc>85%, aqueous solutions / 2,2'-iminobis(ethanol), conc>85%, aqueous solutions / 2,2'-iminobis(ethanol), conc>85%, aqueous solutions / 2,2'-iminobis-ethanol, conc>85%, aqueous solutions / 2,2'-iminodiethanol, conc>85%, aqueous solutions / aminodiethanol, conc>85%, aqueous solutions / beta,beta'-dihydroxydiethylamine, conc>85%, aqueous solution / bis(2-hydroxyethyl)amine, conc>85%, aqueous solutions / bis(beta-hydroxyethyl)amine, conc>85%, aqueous solutions / bis(hydroxyethyl)amine, conc>85%, aqueous solutions / di(2-hydroxyethyl)amine, conc>85%, aqueous solutions / diethanolamine, conc>85%, aqueous solutions / diethanolamine, conc>85%, aqueous solutions / diethanolamine, conc>85%, aqueous solutions / diolamine, conc>85%, aqueous solutions / diolamine, conc>85%, aqueous solutions / ethanol, 2,2'-iminobis-/ ethanol, 2,2'-iminobis-, conc>85%, aqueous solutions / ethanol, 2,2'-iminodi-, conc>85%, aqueous solutions / iminodiethanol, conc>85%, aqueous solutions / hyn-bis(2-hydroxyethyl)amine, conc>85%, aqueous solutions / N,N-bis(2-hydroxyethyl)amine, conc>85%, aqueous solutions / N,N-bis(2-hydroxyethyl)amine, conc>85%, aqueous solutions / N,N-biethanolamine, conc>85%, aqueous solutions / N,N-diethanolamine, conc>85%, aqueous solutions / N,N-diet	Product identifier (CAS-No.) 111-42-2	0.007 - 0.26	GHS US classification Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT RE 2, H373
kathon CG	reaction mass of: 5-chloro-2-methyl- 4-isothiazolin-3-one [EC no. 247- 500-7] and 2-methyl-4-isothiazolin-3- one [EC no. 220-239-6] (3:1)	(CAS-No.) 55965-84-9	0.15 0.002 - 0.02	Acute Tox. 3 (Inhalation), H331 Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Acute 1, H400
tris(hydroxymethyl)aminomethane	1,1,1- tris(hydroxymethyl)methylamine / 1,3-propanediol, 2-amino-2- (hydroxymethyl)- / 2-amino-2- (hydroxymethyl)- / 2-amino-2- (hydroxymethyl)- 1,3-propanediol / 2- amino-2-(hydroxymethyl)propane- 1,3-diol / 2-amino-2-hydroxymethyl- 1,3-propanediol / 2-amino-2- hydroxymethylpropanediol / 2- amino-2-methylol-1,3-propanediol / addex-tham / aminotrimethylolmethane / aminotris(hydroxymethyl)methane / methanamine, 1,1,1- tris(hydroxymethyl)- / methylamine, 1,1,1-tris(hydroxymethyl)- / pehanorm / TALATROL / THAM / THAM set / THAM-E / tri(hydroxymethyl)methylamine / trimethylolaminomethane / TRIS / tris (buffering agent) / tris amine buffer / TRIS AMINO / TRIS buffer / TRIS(base) / tris(hydroxymethyl)methanamine / tris(hydroxymethyl)methylamine / trisamin / trisamine / trisaminol / tris- hydroxymethylaminomethan / tris- hydroxymethylaminomethane / TRISPUFFER / TRIS-STERIL / TRIZMA / trometamol / trometamole / tromethamine / TROMETHANE /	(CAS-No.) 77-86-1	0.002 - 0.02	Aquatic Chronic 1, H410 Not classified

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Name	Common Name (Synonyms)	Product identifier	%	GHS US classification
hydrogen chloride, conc=36%, aqueous solution (Note B)	hydrochloric acid, conc=37%, aqueous solution	(CAS-No.) 7647-01-0	0.0001 - 0.02	Skin Corr. 1A, H314 STOT SE 3, H335
sodium hydroxide	anhydrous caustic soda / B751 / caustic alkali / caustic flake / caustic flake / caustic flakes / caustic soda / caustic soda, bead / caustic soda, dry / caustic soda, flake / caustic soda, granular / caustic soda, lye / caustic soda, solid / caustic white / caustic, flaked / hydrate of soda / hydroxide of sodium / hydroxide of soda / hydroxide of sodium / LEWIS red devil lye / lye (=sodium hydroxide) / soda lye / soda, caustic / soda, hydrate / sodium hydrate lye / sodium hydrate / sodium hydroxide / sodium hydroxide, bead / sodium hydroxide, dry / sodium hydroxide, flake / sodium hydroxide, granular / sodium hydroxide, pellets / sodium hydroxide, pellets / sodium hydroxide, solid / white caustic	(CAS-No.) 1310-73-2	0.001 - 0.01	Met. Corr. 1, H290 Skin Corr. 1, H314 Aquatic Acute 3, H402

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

3.2. Mixtures

Not applicable

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 or rash occurs:

: Rinse eves with water as a precaution.

Get medical advice/attention.

First-aid measures after eye contact

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 : May cause an allergic skin reaction.

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 a

: 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. Avoid breathing

dust/fume/gas/mist/vapors/spray.

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".

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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. Avoid breathing dust/fume/gas/mist/vapors/spray.

Hygiene measures

: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

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

Phosphatase Assay Substrate
No additional information available

kathon CG (55965-84-9)

No additional information available

sodium hydroxide (1310-73-2)

USA - ACGIH - Occupational Exposure Limits

ACGIH Ceiling (mg/m³) 2 mg/m³

Deionized water (7732-18-5)

No additional information available

Soy Powder

No additional information available

tris(hydroxymethyl)aminomethane (77-86-1)

No additional information available

hydrogen chloride, conc=36%, aqueous solution (7647-01-0)

No additional information available

Diethanolamine (111-42-2)

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

Respiratory protection:

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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 Boiling point No data available : No data available Flash point No data available Relative evaporation rate (butyl acetate=1) 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 : No data available Auto-ignition temperature 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 : No data available Oxidizing properties

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

katnon CG (55965-84-9)	

LD50 oral rat	> 2000 mg/kg (Rat)

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kathon CG (55965-84-9)	
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)
ATE US (gases)	700 ppmV/4h
ATE US (vapors)	3 mg/l/4h
ATE US (dust, mist)	0.5 mg/l/4h

tris(hydroxymethyl)aminomethane (77-86-1)	
LD50 oral rat	> 5000 mg/kg body weight (OECD 425: Acute Oral Toxicity: Up-and-Down Procedure, Rat, Female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 5000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal)

Diethanolamine (111-42-2)	
LD50 oral rat	> 710 mg/kg (Rat, Oral)
ATE US (oral)	500 mg/kg body weight
Skin corrosion/irritation	: Not classified

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

hydrogen chloride, conc=36%, aqueous solution (7647-01-0)		
Specific target organ toxicity – single exposure	May cause respiratory irritation.	

Specific target organ toxicity - repeated

exposure

: Not classified

Diethanolamine (111-42-2)	
Specific target organ toxicity – repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available

SECTION 12: Ecological information

Symptoms/effects after skin contact

12.1.	Toxicity	

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

: May cause an allergic skin reaction.

sodium hydroxide (1310-73-2)	
LC50 fish 1	45.4 mg/l (96 h, Salmo gairdneri, Static system, Fresh water, Experimental value, Solution >=50%)
EC50 Daphnia 1	40.4 mg/l (48 h, Ceriodaphnia sp., Experimental value, Nominal concentration)

tris(hydroxymethyl)aminomethane (77-86-1)		
EC50 Daphnia 1	> 980 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)	
hydrogen chloride, conc=36%, aqueous solution (7647-01-0)		
LC50 fish 1	282 mg/l (96 h, Gambusia affinis, Pure substance)	
EC50 Daphnia 1	< 56 mg/l (72 h, Daphnia magna, Pure substance)	

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Diethanolamine (111-42-2)	
LC50 fish 1	1664 mg/l (96 h, Pimephales promelas, Pure substance)
EC50 Daphnia 1	55 mg/l (48 h, Daphnia magna, Pure substance)

12.2. Persistence and degradability

kathon CG (55965-84-9)		
Persistence and degradability	Contains non readily biodegradable component(s).	
sodium hydroxide (1310-73-2)		
Persistence and degradability	Biodegradability: not applicable.	
Chemical oxygen demand (COD)	Not applicable (inorganic)	
ThOD	Not applicable (inorganic)	

tris(hydroxymethyl)aminomethane (77-86-1)			
Persistence and degradability	Readily biodegradable in water.		
hydrogen chloride, conc=36%, aqueous s	hydrogen chloride, conc=36%, aqueous solution (7647-01-0)		
Persistence and degradability	Biodegradability: not applicable.		
Chemical oxygen demand (COD)	Not applicable		
ThOD	Not applicable		
BOD (% of ThOD)	Not applicable		
Diethanolamine (111-42-2)			
Persistence and degradability	Readily biodegradable in water.		
Biochemical oxygen demand (BOD)	0.22 g O₂/g substance		
Chemical oxygen demand (COD)	1.52 g O ₂ /g substance		
ThOD	2.13 g O ₂ /g substance		
BOD (% of ThOD)	0.1		

12.3. Bioaccumulative potential

kathon CG (55965-84-9)	
Bioaccumulative potential Does not contain bioaccumulative component(s).	
sodium hydroxide (1310-73-2)	
Bioaccumulative potential	Not bioaccumulative.

tris(hydroxymethyl)aminomethane (77-86-1)		
Log Pow	-2.31 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C)	
Bioaccumulative potential	Not bioaccumulative.	
hydrogen chloride, conc=36%, aqueous solution (7647-01-0)		
Log Pow	0.25 (QSAR)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	

Bioaccumulative potential	Low potential for bloaccumulation (Log Kow < 4).
Diethanolamine (111-42-2)	
Log Pow	-2.181.43
Bioaccumulative potential	Not bioaccumulative.

12.4. Mobility in soil

kathon CG (55965-84-9)		
Ecology - soil	No (test)data on mobility of the components available.	
sodium hydroxide (1310-73-2)		
Ecology - soil	No (test)data on mobility of the substance available.	
tris(hydroxymethyl)aminomethane (77-86-1)		
ti is(ii)di oxyilicti yi)alliliolilcti alic (11-00-1)		
Log Koc	1.87 (log Koc, QSAR)	
Ecology - soil	Highly mobile in soil.	

0,	0 ,
hydrogen chloride, conc=36%, aqueous solut	ion (7647-01-0)
Ecology - soil	No (test)data on mobility of the components available. May be harmful to plant growth,

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Diethanolamine (111-42-2)	
Ecology - soil	No (test)data on mobility of the components available.

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

Phosphatase Assay Substrate

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

kathon CG (55965-84-9)

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

sodium hydroxide (1310-73-2)

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

Deionized water (7732-18-5)

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

Soy Powder

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

tris(hydroxymethyl)aminomethane (77-86-1)

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

hydrogen chloride, conc=36%, aqueous solution (7647-01-0)

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

CERCLA RQ	5000 lb
RQ (Reportable quantity, section 304 of EPA's List of Lists)	5000 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	500 lb

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Diethanolamine (111-42-2)		
Not listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313		
CERCLA RQ	100 lb	

15.2. International regulations

CANADA

Deionized water (7732-18-5)

Listed on the Canadian DSL (Domestic Substances List)

tris(hydroxymethyl)aminomethane (77-86-1)

Listed on the Canadian DSL (Domestic Substances List)

hydrogen chloride, conc=36%, aqueous solution (7647-01-0)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

National regulations

Diethanolamine (111-42-2)

Listed on IARC (International Agency for Research on Cancer)

15.3. US State regulations

Diethanolamine	Diethanolamine (111-42-2)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No		

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:

H290	May be corrosive to metals	
H302	Harmful if swallowed	
H314	Causes severe skin burns and eye damage	
H315	Causes skin irritation	
H317	May cause an allergic skin reaction	
H318	Causes serious eye damage	
H331	Toxic if inhaled	
H335	May cause respiratory irritation	
H373	May cause damage to organs through prolonged or repeated exposure	
H400	Very toxic to aquatic life	
H402	Harmful to aquatic life	
H410	Very 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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