# Kit

Product name	Catalog No.	Quantity
DsbC Set	PF005-0.5-EX	500 µL for reaction

# Contents

Product name	Product No.
GSSG	PF002-4
DsbC	PF002-5
Dil. Buf.	PF001-DB2



# SAFETY DATA SHEET

Page 1 of 6 Revision date: Jan 31st, 2020 PF002-4 (US) Version 2

Section 1: Identification	
Product identifier	
Product name:	GSSG
Product code:	PF002-4
Relevant identified uses of the sub Relevant identified uses of the p	ostance or mixture and uses advised against product:
This product is for research and c	development only.
Details of the supplier of the safety	y data sheet
Name:	GeneFrontier Corporation
Address:	SHARP Kashiwa Building 4F, 273-1
	Kashiwa, Kashiwa-shi, Chiba 277-0005,
	Japan
Telephone number:	+81-4-7137-6301
Fax number:	+81-4-7132-7530
e-mail address:	purefrex@genefrontier.com
Emergency telephone number:	+81-4-7137-6301
Section 2: Hazard(s) identification	
GHS classification and label eleme	ents of the product
<u>.</u>	

Classification of the substance or mixture: Not classified to GHS classification.

Label elements:

No GHS label element. No Signal word.

# Section 3: Composition/information on ingredients

# Mixture/Substance selection: Mixture

Ingredient name	CAS No.	Content (%)
Water	7732-18-5	> 95
L-Glutathione oxidized	27025-41-8	3 – 5

Note: The figures shown above are not the specifications of the product.

The components not described in this component table are not listed in Table 3 of Annex VI in EU CLP.

#### Section 4: First-aid measures

Descriptions of first-aid measures		
IF INHALED	Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.	
IF ON SKIN (or hair)	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.	
IF IN EYES	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.	
IF SWALLOWED	Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.	

# Most important symptoms/effects, acute and delayed

No information available.

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

Treat symptomatically.

#### Section 5: Fire-fighting measures

#### Extinguishing media

#### Suitable extinguishing media:

Use appropriate extinguishing media suitable for surrounding facilities.

#### Advice for firefighters

#### Specific fire-fighting measures:

Evacuate non-essential personnel to safe area.

#### Special protective equipment and precautions for fire-fighters:

Wear fire/flame resistant/retardant clothing.

#### Section 6: Accidental release measures

# Personal precautions, protective equipment, and emergency procedures

Wear gloves, goggles and other protective clothing. Wear dust mask if the product is dry.

# Methods and materials for containment and cleaning up

Absorb spill with inert material (dry sand, earth, et al), then place in a chemical waste container.

# Section 7: Handling and storage

# Precautions for safe handling Safety treatments:

Avoid contact with skin. Avoid contact with eyes.

# Conditions for safe storage, including any incompatibilities Recommendation for storage:

Keep container tightly closed.

Store at temperatures not exceeding designated temperature.

Storage temperature upper limit: -20 °C/ -4 °F

# Section 8: Exposure controls/personal protection

#### Control parameters

Adopted value No Adopted value data available in ACGIH.

# **Exposure controls**

# Appropriate engineering controls:

Eye wash station should be available. Washing facilities should be available.

# Individual protection measures, such as personal protective equipment:

Hand protection	Wear protective gloves.
	Recommended material(s): impermeable or chemical resistant
	rubber.
Eye protection	Wear safety glasses with side-shields or chemical safety
	goggles.
Skin and body protection	Wear protective clothing.

# Safety and Health measures:

Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

# Section 9: Physical and chemical properties

#### Information on basic physical and chemical properties

AppearancePhysical stateLiquidColorClearOdorNonepH7 – 8FlammabilityNon-flammableSolubilitySolubility in water: Soluble

#### Other information

No information available.

#### Section 10: Stability and reactivity

#### Reactivity

No data available.

#### **Chemical stability**

Stable under normal storage/handling conditions.

# Possibility of hazardous reactions

No hazardous reaction expected under normal handling.

#### **Conditions to avoid**

No further relevant information available.

#### Incompatible materials

No further relevant information available.

#### Hazardous decomposition products

No dangerous decomposition products known.

#### Section 11: Toxicological information

#### Information on toxicological effects

- No Acute toxicity data available.
- No Irritant properties (Skin and Eyes) data available.
- No Allergenic and sensitizing effects data available.
- No Mutagenic effects data available.
- No Carcinogenic effects data available.
- No Teratogenic effects data available.
- No reproductive toxicity data available.
- No STOT-single/repeated exposure data available.
- No Aspiration hazard data available.

# Section 12: Ecological information

#### Ecotoxicity:

No Aquatic toxicity data available.

#### Persistence and degradability:

No Persistence and degradability data available.

#### **Bioaccumulative potential:**

No Bioaccumulative potential data available.

#### Mobility in soil:

No Mobility in soil data available.

#### Other adverse effects:

Ozone depleting chemical data not available.

#### Section 13: Disposal considerations

# Waste treatment methods

# **Relevant Information:**

Keep out of drains, sewers, ditches and waterways.

#### **Disposal considerations:**

Use a licensed professional waste disposal service to dispose of this product. Product may be dissolved in a combustible solvent or absorbed onto a combustible material and burned by a chemical incinerator.

#### Contaminated packing:

Dispose of container after using the contents completely.

Section 14: Transport information	
UN number, UN CLASS	
Not applicable.	
IMDG Code (International Maritime Dangerous Goods Regulations)	Not applicable.
IATA Dangerous Goods Regulations	Not applicable.
UN proper shipping name	
Not applicable.	
IMDG Code (International Maritime Dangerous Goods Regulations)	Not applicable.
IATA Dangerous Goods Regulations	Not applicable.
Transport hazard class(es)	
Not applicable.	
IMDG Code (International Maritime Dangerous Goods Regulations)	Not applicable.
IATA Dangerous Goods Regulations	Not applicable.
Packing group	
Not applicable.	
IMDG Code (International Maritime Dangerous Goods Regulations)	Not applicable.
IATA Dangerous Goods Regulations	Not applicable.
Environmental hazards	
MARPOL Annex III - Prevention of pollution by harmful substances	
Marine pollutants (yes/no) : no	

Not applicable.

Transport in bulk according to Annex II of MARPOL 73/78 and IBC code Not applicable.

#### Section 15: Regulatory information

# Safety, health and environmental regulations/ legislation specific for the substance or mixture

No data available.

# US major regulations

TSCA

L-Glutathione oxidized

#### Other regulatory information

We are not able to check up other regulatory information in regard to the substances in your country or region, therefore we request this matter would be filled by your responsibility.

# Section 16: Other information, including date of preparation or last revision The product is not classified to GHS classifications.

#### **Reference Book:**

Globally Harmonized System of classification and labelling of chemicals, (5th ed., 2013), UN Recommendations on the TRANSPORT OF DANGEROUS GOODS 20th edit., 2017 UN IMDG Code, 2018 Edition (Incorporating Amendment 39-18) IATA Dangerous Goods Regulations (60th Edition) 2019 Classification, labelling and packaging of substances and mixtures (table3-1 ECNO6182012) 2016 EMERGENCY RESPONSE GUIDEBOOK(US DOT) 2019 TLVs and BEIs. (ACGIH) http://monographs.iarc.fr/ENG/Classification/index.php Supplier's data/information Hazard Communication Standard - 2012 (29 CFR 1910.1200) GESTIS-Stoffdatenbank Pub Chem (OPEN CHEMISTRY DATABASE)

#### [General Disclaimer]

The GHS classification data given here is based on EU CLP - 2018 & US Hazard Communication Standard - 2012.

This data sheet was created based on the information we currently have and may be revised according to new information. In addition, the precautions apply only to normal handling, and in the case of special handling, please make adequate countermeasure to maintain your safety.



# SAFETY DATA SHEET

Page 1 of 7 Revision date: Jan 31st, 2020 PF002-5 (US) Version 2

Section 1: Identification		
Product identifier		
Product name:	DsbC	
Product code:	PF002-5	
Relevant identified uses of the	substance or m	ixture and uses advised against
Relevant identified uses of th	e product:	
This product is for research ar	nd development o	only.
Details of the supplier of the sa	fety data sheet	
Name:		GeneFrontier Corporation
Address:		SHARP Kashiwa Building 4F, 273-1
		Kashiwa, Kashiwa-shi, Chiba 277-0005,
		Japan
Telephone number:		+81-4-7137-6301
Fax number:		+81-4-7132-7530
e-mail address:		purefrex@genefrontier.com
Emergency telephone numb	er:	+81-4-7137-6301
Section 2: Hazard(s) identificat	ion	
GHS classification and label ele	ements of the pr	oduct
Classification of the substa	nce or mixture:	Not classified to GHS classification.
Label elements:		No GHS label element.
		No Signal word.
Continu 2. Commonisticu lintorum	ation on increali	

# Section 3: Composition/information on ingredients

Mixture/Substance selection: Mixture

Ingredient name	CAS No.	Content (%)
Water	7732-18-5	> 70
Buffer	CBI	0.1 - 1
Mineral	CBI	0.1 - 1
Glycerol	56-81-5	25 - 30

Note: The figures shown above are not the specifications of the product.

The components not described in this component table are not listed in Table 3 of Annex VI in EU CLP.

#### Section 4: First-aid measures

# **Descriptions of first-aid measures**

· · · · · · · · · · · · · · · · · · ·	
IF INHALED	Call a POISON CENTER or doctor/physician if you feel unwell.
IF ON SKIN (or hair)	Wash with plenty of soap and water.
	If skin irritation occurs: Get medical advice/attention.
IF IN EYES	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.
IF SWALLOWED	Rinse mouth. Call a POISON CENTER or doctor/physician if you feel
	unwell.

# Most important symptoms/effects, acute and delayed

No information available.

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

Treat symptomatically.

#### Section 5: Fire-fighting measures

#### **Extinguishing media**

#### Suitable extinguishing media:

Use appropriate extinguishing media suitable for surrounding facilities.

#### Advice for firefighters

#### Specific fire-fighting measures:

Evacuate non-essential personnel to safe area.

#### Special protective equipment and precautions for fire-fighters:

Wear fire/flame resistant/retardant clothing.

#### Section 6: Accidental release measures

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

Wear gloves, goggles and other protective clothing. Wear dust mask if the product is dry.

# Methods and materials for containment and cleaning up

Absorb spill with inert material (dry sand, earth, et al), then place in a chemical waste container.

#### Section 7: Handling and storage

# Precautions for safe handling

# Safety treatments:

Avoid contact with skin. Avoid contact with eyes.

# Conditions for safe storage, including any incompatibilities Recommendation for storage:

Keep container tightly closed. Store at temperatures not exceeding designated temperature. Storage temperature upper limit: -20 °C/ -4 °F

#### Section 8: Exposure controls/personal protection

#### **Control parameters**

Adopted value No Adopted value data available in ACGIH. OSHA-PEL (Glycerol) TWA: 15mg/m<sup>3</sup> (Total dust) TWA: 5mg/m<sup>3</sup> (Respirable fraction) NIOSH-REL (Glycerol) See Appendix D.

# Exposure controls

# Appropriate engineering controls:

Eye wash station should be available. Washing facilities should be available.

#### Individual protection measures, such as personal protective equipment:

Hand protection	Wear protective gloves. Recommended material(s): impermeable or chemical resistant
	rubber.
Eye protection	Wear safety glasses with side-shields or chemical safety goggles.
Skin and body protection	Wear protective clothing.

#### Safety and Health measures:

Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

#### Section 9: Physical and chemical properties

#### Information on basic physical and chemical properties

Appearance	
Physical state	Liquid
Color	Clear
Odor	None
рН	7 – 8
Flammability	Non-flammable
Solubility	Solubility in water: Soluble

# Other information

No information available.

#### Section 10: Stability and reactivity

### Reactivity

No data available.

# **Chemical stability**

Stable under normal storage/handling conditions.

# Possibility of hazardous reactions

No hazardous reaction expected under normal handling.

# **Conditions to avoid**

No further relevant information available.

# Incompatible materials

No further relevant information available.

# Hazardous decomposition products

No dangerous decomposition products known.

#### Section 11: Toxicological information

#### Information on toxicological effects

No Acute toxicity data available. No Irritant properties (Skin and Eyes) data available. No Allergenic and sensitizing effects data available. No Mutagenic effects data available. No Carcinogenic effects data available. No Teratogenic effects data available. No reproductive toxicity data available. No STOT-single/repeated exposure data available. No Aspiration hazard data available.

# Section 12: Ecological information

# Ecotoxicity:

No Aquatic toxicity data available. Water solubility (Mineral) 256 g/100 ml (20 °C) (ICSC, 2006) (Glycerol) miscible (ICSC, 2006)

### Persistence and degradability:

No Persistence and degradability data available.

# **Bioaccumulative potential:**

(Glycerol) log Pow=-1.76 (ICSC, 2006)

# Mobility in soil:

No Mobility in soil data available.

# Other adverse effects:

Ozone depleting chemical data not available.

#### **Section 13: Disposal considerations**

# Waste treatment methods

# **Relevant Information:**

Keep out of drains, sewers, ditches and waterways.

# **Disposal considerations:**

Use a licensed professional waste disposal service to dispose of this product. Product may be dissolved in a combustible solvent or absorbed onto a combustible material and burned by a chemical incinerator.

#### **Contaminated packing:**

Dispose of container after using the contents completely.

Section 14: Transport information	
UN number, UN CLASS	
Not applicable.	
IMDG Code (International Maritime Dangerous Goods Regulations)	Not applicable.
IATA Dangerous Goods Regulations	Not applicable.
UN proper shipping name	
Not applicable.	
IMDG Code (International Maritime Dangerous Goods Regulations)	Not applicable.
IATA Dangerous Goods Regulations	Not applicable.
Transport hazard class(es)	
Not applicable.	
IMDG Code (International Maritime Dangerous Goods Regulations)	Not applicable.
IATA Dangerous Goods Regulations	Not applicable.

# Packing group

Not applicable.IMDG Code (International Maritime Dangerous Goods Regulations)Not applicable.IATA Dangerous Goods RegulationsNot applicable.

# Environmental hazards

MARPOL Annex III - Prevention of pollution by harmful substances Marine pollutants (yes/no) : no

# Special precautions for user

Not applicable.

# Transport in bulk according to Annex II of MARPOL 73/78 and IBC code

Not applicable.

# Section 15: Regulatory information

Safety, health and environmental regulations/ legislation specific for the substance or mixture

No data available.

# US major regulations

TSCA

Buffer; Mineral; Glycerol

# Other regulatory information

We are not able to check up other regulatory information in regard to the substances in your country or region, therefore we request this matter would be filled by your responsibility.

# Section 16: Other information, including date of preparation or last revision The product is not classified to GHS classifications.

# **Reference Book:**

Globally Harmonized System of classification and labelling of chemicals, (5th ed., 2013), UN Recommendations on the TRANSPORT OF DANGEROUS GOODS 20th edit., 2017 UN IMDG Code, 2018 Edition (Incorporating Amendment 39-18) IATA Dangerous Goods Regulations (60th Edition) 2019 Classification, labelling and packaging of substances and mixtures (table3-1 ECNO6182012) 2016 EMERGENCY RESPONSE GUIDEBOOK(US DOT) 2019 TLVs and BEIs. (ACGIH) http://monographs.iarc.fr/ENG/Classification/index.php Supplier's data/information Hazard Communication Standard - 2012 (29 CFR 1910.1200) GESTIS-Stoffdatenbank Pub Chem (OPEN CHEMISTRY DATABASE)

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# SAFETY DATA SHEET

Page 1 of 7 First issue: Jan 31st, 2020 PF001-DB2 (US) Version 1

Section 1: Identification   Product identifier   Product name: Dil. Buf. (Dilution Buffer)   Product code: PF001-DB2   Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses of the product:   This product is for research and development only.   Details of the supplier of the safety data sheet   Name: GeneFrontier Corporation   Address: SHARP Kashiwa Building 4   Kashiwa, Kashiwa-shi, Chiba 2					
Product name: Dil. Buf. (Dilution Buffer)   Product code: PF001-DB2   Relevant identified uses of the substance or mixture and uses advised against   Relevant identified uses of the product:   This product is for research and development only.   Details of the supplier of the safety data sheet   Name: GeneFrontier Corporation   Address: SHARP Kashiwa Building 4					
Product code: PF001-DB2   Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses of the product: This product is for research and development only.   Details of the supplier of the safety data sheet SeneFrontier Corporation   Name: GeneFrontier Corporation   Address: SHARP Kashiwa Building 4					
Relevant identified uses of the substance or mixture and uses advised against   Relevant identified uses of the product:   This product is for research and development only.   Details of the supplier of the safety data sheet   Name: GeneFrontier Corporation   Address: SHARP Kashiwa Building 4	Dil. Buf. (Dilution Buffer)				
Relevant identified uses of the product:   This product is for research and development only.   Details of the supplier of the safety data sheet   Name: GeneFrontier Corporation   Address: SHARP Kashiwa Building 4					
This product is for research and development only.   Details of the supplier of the safety data sheet   Name: GeneFrontier Corporation   Address: SHARP Kashiwa Building 4					
Details of the supplier of the safety data sheetName:GeneFrontier CorporationAddress:SHARP Kashiwa Building 4					
Name:GeneFrontier CorporationAddress:SHARP Kashiwa Building 4	This product is for research and development only.				
Name:GeneFrontier CorporationAddress:SHARP Kashiwa Building 4					
Address: SHARP Kashiwa Building 4					
Kashiwa, Kashiwa-shi, Chiba 2	F, 273-1				
Japan	277-0005,				
<b>Telephone number:</b> +81-4-7137-6301					
<b>Fax number:</b> +81-4-7132-7530					
e-mail address: purefrex@genefrontier.com					
Emergency telephone number: +81-4-7137-6301					
Section 2: Hazard(s) identification					
GHS classification and label elements of the product					
Classification of the substance or mixture: Not classified to GHS classification	on.				
Label elements: No GHS label element.					

No Signal word.

# Section 3: Composition/information on ingredients

Mixture/Substance selection: Mixture

Ingredient name	CAS No.	Content (%)
Water	7732-18-5	> 70
Buffer	CBI	0.1 - 1
Mineral	CBI	0.1 - 1
Glycerol	56-81-5	25 - 30

Note: The figures shown above are not the specifications of the product.

The components not described in this component table are not listed in Table 3 of Annex VI in EU CLP.

#### Section 4: First-aid measures

# **Descriptions of first-aid measures**

IF INHALED	Call a POISON CENTER or doctor/physician if you feel unwell.
IF ON SKIN (or hair)	Wash with plenty of soap and water.
	If skin irritation occurs: Get medical advice/attention.
IF IN EYES	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.
IF SWALLOWED	Rinse mouth. Call a POISON CENTER or doctor/physician if you feel
	unwell.

# Most important symptoms/effects, acute and delayed

No information available.

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

Treat symptomatically.

# Section 5: Fire-fighting measures

#### **Extinguishing media**

#### Suitable extinguishing media:

Use appropriate extinguishing media suitable for surrounding facilities.

#### Advice for firefighters

#### Specific fire-fighting measures:

Evacuate non-essential personnel to safe area.

#### Special protective equipment and precautions for fire-fighters:

Wear fire/flame resistant/retardant clothing.

#### Section 6: Accidental release measures

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

Wear gloves, goggles and other protective clothing. Wear dust mask if the product is dry.

# Methods and materials for containment and cleaning up

Absorb spill with inert material (dry sand, earth, et al), then place in a chemical waste container.

#### Section 7: Handling and storage

# Precautions for safe handling

# Safety treatments:

Avoid contact with skin. Avoid contact with eyes.

# Conditions for safe storage, including any incompatibilities Recommendation for storage:

Keep container tightly closed. Store at temperatures not exceeding designated temperature. Storage temperature upper limit: -20 °C/ -4 °F

# Section 8: Exposure controls/personal protection

#### **Control parameters**

Adopted value No Adopted value data available in ACGIH. OSHA-PEL (Glycerol) TWA: 15mg/m<sup>3</sup> (Total dust) TWA: 5mg/m<sup>3</sup> (Respirable fraction) NIOSH-REL (Glycerol) See Appendix D.

# Exposure controls

# Appropriate engineering controls:

Eye wash station should be available. Washing facilities should be available.

#### Individual protection measures, such as personal protective equipment:

Hand protection	Wear protective gloves. Recommended material(s): impermeable or chemical resistant
	rubber.
Eye protection	Wear safety glasses with side-shields or chemical safety goggles.
Skin and body protection	Wear protective clothing.

#### Safety and Health measures:

Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

#### Section 9: Physical and chemical properties

#### Information on basic physical and chemical properties

Liquid

Appearance Physical state

1 11931041 31416	
Color	Clear
Odor	None
рН	7 – 8
Flammability	Non-flammable
Solubility	Solubility in water: Soluble

# Other information

No information available.

# Section 10: Stability and reactivity

### Reactivity

No data available.

# **Chemical stability**

Stable under normal storage/handling conditions.

# Possibility of hazardous reactions

No hazardous reaction expected under normal handling.

# **Conditions to avoid**

No further relevant information available.

# Incompatible materials

No further relevant information available.

# Hazardous decomposition products

No dangerous decomposition products known.

#### Section 11: Toxicological information

#### Information on toxicological effects

No Acute toxicity data available. No Irritant properties (Skin and Eyes) data available. No Allergenic and sensitizing effects data available. No Mutagenic effects data available. No Carcinogenic effects data available. No Teratogenic effects data available. No reproductive toxicity data available. No STOT-single/repeated exposure data available. No Aspiration hazard data available.

# Section 12: Ecological information

# Ecotoxicity:

No Aquatic toxicity data available. Water solubility (Mineral) 256 g/100 ml (20 °C) (ICSC, 2006) (Glycerol) miscible (ICSC, 2006)

#### Persistence and degradability:

No Persistence and degradability data available.

# **Bioaccumulative potential:**

(Glycerol) log Pow=-1.76 (ICSC, 2006)

# Mobility in soil:

No Mobility in soil data available.

# Other adverse effects:

Ozone depleting chemical data not available.

#### **Section 13: Disposal considerations**

# Waste treatment methods

# **Relevant Information:**

Keep out of drains, sewers, ditches and waterways.

# **Disposal considerations:**

Use a licensed professional waste disposal service to dispose of this product. Product may be dissolved in a combustible solvent or absorbed onto a combustible material and burned by a chemical incinerator.

#### **Contaminated packing:**

Dispose of container after using the contents completely.

Section 14: Transport information	
UN number, UN CLASS	
Not applicable.	
IMDG Code (International Maritime Dangerous Goods Regulations)	Not applicable.
IATA Dangerous Goods Regulations	Not applicable.
UN proper shipping name	
Not applicable.	
IMDG Code (International Maritime Dangerous Goods Regulations)	Not applicable.
IATA Dangerous Goods Regulations	Not applicable.
Transport hazard class(es)	
Not applicable.	
IMDG Code (International Maritime Dangerous Goods Regulations)	Not applicable.
IATA Dangerous Goods Regulations	Not applicable.

# Packing group

Not applicable.IMDG Code (International Maritime Dangerous Goods Regulations)Not applicable.IATA Dangerous Goods RegulationsNot applicable.

# Environmental hazards

MARPOL Annex III - Prevention of pollution by harmful substances Marine pollutants (yes/no) : no

# Special precautions for user

Not applicable.

# Transport in bulk according to Annex II of MARPOL 73/78 and IBC code

Not applicable.

# Section 15: Regulatory information

Safety, health and environmental regulations/ legislation specific for the substance or mixture

No data available.

# US major regulations

TSCA

Buffer; Mineral; Glycerol

# Other regulatory information

We are not able to check up other regulatory information in regard to the substances in your country or region, therefore we request this matter would be filled by your responsibility.

# Section 16: Other information, including date of preparation or last revision The product is not classified to GHS classifications.

# Reference Book:

Globally Harmonized System of classification and labelling of chemicals, (5th ed., 2013), UN Recommendations on the TRANSPORT OF DANGEROUS GOODS 20th edit., 2017 UN IMDG Code, 2018 Edition (Incorporating Amendment 39-18) IATA Dangerous Goods Regulations (60th Edition) 2019 Classification, labelling and packaging of substances and mixtures (table3-1 ECNO6182012) 2016 EMERGENCY RESPONSE GUIDEBOOK(US DOT) 2019 TLVs and BEIs. (ACGIH) http://monographs.iarc.fr/ENG/Classification/index.php Supplier's data/information Hazard Communication Standard - 2012 (29 CFR 1910.1200) GESTIS-Stoffdatenbank Pub Chem (OPEN CHEMISTRY DATABASE)

Page 7 of 7 First issue: Jan 31st, 2020 PF001-DB2 (US) Version 1

#### [General Disclaimer]

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