

Version: 202407

# **Material Safety Data Sheet**

## FavorPrep™ 96-Well Plant Genomic DNA Kit

Cat. No.:	FAPGE 96001 (1 plate)	FAPGE 96002 (2 plates)	FAPGE 96004 (4 plates)
FAPG1 Buffer	60 ml	120 ml	120 ml × 2
FAPG2 Buffer	20 ml	40 ml	80 ml
FAPG3 Buffer (Concentrate)	30 ml	60 ml	60 ml × 2
Wash Buffer (Concentrate)	20 ml	40 ml	40 ml × 2
Elution Buffer	30 ml	60 ml	120 ml
RNase A Solution	480 µl	480 µl × 2	480 µl × 4

### Favorgen Biotech Corp.

Address: Ping-Tung Agricultural Biotechnology Park

No. 8-1, Yuanxi 2<sup>nd</sup> Road, Ping Tung 908126,

**TAIWAN** 

Phone Number: +886-8-762-1829

technical@favorgen.com www.favorgen.com

According to Regulation (EC) No 1907/2006



### Section 1. IDENTIFICATION

#### 1.1 Product Identifier

Commercial Product Name: FAPG1 Buffer

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Product form: Laboratory chemical mixture/Lysis Buffer

Relevant identified uses: For research use only, not for diagnostic use.

Uses advised against:

### 1.3 Details of the supplier of the safety data sheet

Company: Favorgen Biotech Corp.

Address: Ping-Tung Agricultural Biotechnology Park No. 8-1, Yuanxi 2<sup>nd</sup> Road, Ping Tung 908126, TAIWAN

Phone Number: +886-8-762-1829

### 1.4 Emergency telephone number

+886-8-762-1829

### Section 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Hazard identification Hazard classes/categories

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A

GHS hazard pictograms:



### Signal word: WARNING

Hazard statement(s)

H315 Causes skin irritation. H319 Causes serious eye irritation.

Precautionary statement(s)

Wash hands thoroughly after handling. P264

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

P302 + P352 IF ON SKIN: Wash with plenty of soap and 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. If skin irritation occurs: Get medical advice/attention.

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

### 2.2 Label elements

According to section 1.5.2 of Annex I to CLP



### 2.3 Other hazards

Not applicable

### Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances or 3.2 Mixtures

Chemical: Sodium dodecyl sulfate CAS No.: 151-21-3

Concentration: 1~5%

Always wear recommended Personal Protective Equipment.

According to Regulation (EC) No 1907/2006



### Section 4. FIRST AID MEASURES

#### 4.1 Description of first-aid measures

### If inhaled

After inhalation: fresh air. If breathing stops: mouth-to-mouth breathing or artificial respiration. Oxygen if necessary. Immediately call in physician.

#### In case of skin contact

After skin contact: Take off immediately all contaminated clothing. Rinse skin with water/shower.

### In case of eye contact

After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.

#### If swallowed

After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.

#### If in eyes

Rinse cautiously with water for several minutes

### 4.2 Most important symptoms and effects, both acute and delayed

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Wear Personal Protective Equipment. If skin irritation occurs: Get medical advice.

### Section 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

All extinguishers can be used.

### 5.2 Special hazards arising from the substance or mixture

None.

### 5.3 Advice for firefighters

Wear self-contained breathing equipment and protective suit.

### 5.4 Additional Information

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### Section 6. ACCIDENTAL RELEASE MEASURE

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

Do not breathe vapours/Ensure adequate ventilation/Avoid contact with skin, eyes or clothing/Use personal protection equipment/Regular staff training is necessary.

### 6.2 Environmental precautions

Do not allow mixture to enter ground water system.

### 6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material.

### 6.4 Reference to other sections

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### Section 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Always wear recommended Personal Protective Equipment.

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

Keep in a dry, cool, and well-ventilated place.

### 7.3 Specific end use(s)

For research use only.

According to Regulation (EC) No 1907/2006



### Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters: None

Chemical: Sodium dodecyl sulfate CAS No.: 151-21-3

Concentration: 1~5%

### 8.2 Exposure controls

Good ventilation and exhaust system in the workplace, and the floor has drainage and washing facilities, which can resist the erosion of chemicals. Must maintain the highest level of cleanliness in the workplace.

### Personal protective equipment

**Eye/face protection:** Safety glasses. Used to prevent splash hazards. Government standards such as NIOSH (US) or FN 166(FU).

Skin protection: Recommended to avoid contamination with these hazards.

Hand protection: Protective gloves, use for short times chemical resistant latex gloves with code EN 374-3 level 1.

Respiratory protection: Not necessary, if the workplace is well-ventilated.

**Personal Hygiene:** Wash hands before breaks and at the end of work. Handle in accordance with good industrial hygiene and safety practice.

### Section 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance: liquid/Color: clear/Odor: characteristic/pH: 7.8~8.6

### 9.2 Other information

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### Section 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

Stable under normal condition.

### 10.3 Possibility of hazardous reactions

None.

### 10.4 Conditions to avoid

No data available.

### 10.5 Incompatible materials

Not dangerous reaction known under normal use.

### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

### Section 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute toxicity Not Classified

Chemical Name	Oral LD50 (Rat)	Dermal LD50 (Rabbit)	Inhalation LC50 (Rat)
Sodium dodecyl sulfate CAS No.: 151-21-3	1,228 mg/kg	200 mg/kg	3,900 mg/m³

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

According to Regulation (EC) No 1907/2006



Specific target organ toxicity (STOT) – single exposureNot ClassifiedSpecific target organ toxicity (STOT) – repeated exposureNot ClassifiedAspiration hazardNot Classified

### 11.2 Information on other hazards

No data available

### Section 12. ECOLOGICAL INFORMATION

#### 12.1 Toxicity

Following information is valid for pure substances.

Sodium dodecyl sulfate CAS No.: 151-21-3

EC50 Daphnia magna /48h: 1.8 mg/L

### 12.2 Persistence and degradability

No data available.

### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### 12.6 Endocrine disrupting properties

No data available.

### 12.7 Other adverse effects

No data available.

### Section 13. DISPOSAL CONSIDERATIONS

Refer to local regulations.

### 13.1 Waste treatment methods

Dispose of contents/container in accordance with local regulation.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

### Section 14. TRANSPORT INFORMATION

14.1 UN number

ADR/RID: - IMDG: - IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods IMDG: Not dangerous goods IMDG: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: No IMDG: Marine pollutant: No IATA-DGR: No

### 14.6 Special precautions for user

. None

### 14.7 Maritime transport in bulk according to IMO instruments

Not Applicable.

### **Further information**

According to Regulation (EC) No 1907/2006



Not classified as dangerous in transport regulations.

### Section 15. REGULATIONS INFORMATION

**15.1** Safety, health, and environmental regulations/legislation specific for the substance or mixture Look for your country-specific regulations.

### 15.2 Chemical safety assessment

Not necessary

### Section 16. OTHER INFORMATION

### 16.1 List of R, H and P phrases

Full text of H-Statements referred to under sections 2 and 3.

### 16.2 Training Advice

Regular safety training.

### 16.3 Recommended Restriction on Use

Only for professional/research user.

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### Section 1. IDENTIFICATION

1.1 Product Identifier

Commercial Product Name: FAPG2 Buffer

1.2 Relevant identified uses of the substance or mixture and uses advised against

Product form: Laboratory chemical mixture/Lysis Buffer

Relevant identified uses: For research use only, not for diagnostic use.

Uses advised against:

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### 1.3 Details of the supplier of the safety data sheet

Company: Favorgen Biotech Corp.

Address: Ping-Tung Agricultural Biotechnology Park No. 8-1, Yuanxi 2<sup>nd</sup> Road, Ping Tung 908126, TAIWAN

Phone Number: +886-8-762-1829

### 1.4 Emergency telephone number

+886-8-762-1829

### Section 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Hazard identification Hazard classes/categories

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A

GHS hazard pictograms:



GHS07

Signal word: **WARNING** Hazard statement(s)

H314 Causes severe skin burns and eye damage
H315 Causes skin irritation

H315 Causes skin irritation
H319 Causes serious eye irritation

Precautionary statement(s)

P264 Wash hands thoroughly after handling

According to Regulation (EC) No 1907/2006



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

protection.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower

P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for

breathing. Immediately call a POISON CENTER/doctor.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. Immediately

call a POISON CENTER/doctor

P363 Wash contaminated clothing before reuse.

#### 2.2 Label elements

According to section 1.5.2 of Annex I to CLP

GHS symbol



GHS07

WARNING

### 2.3 Other hazards

Not applicable

### Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances or 3.2 Mixtures

Chemical: Acetate acid CAS No.:64-19-7

Concentration: 10 - <20 %

### Section 4. FIRST AID MEASURES

### 4.1 Description of first-aid measures

### General advice

Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.

### If inhaled

If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.

### In case of skin contact

Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty. If on skin, rinse well with water. If on clothes, remove clothes.

### In case of eye contact

Small amounts splashed into eyes can cause irreversible tissue damage and blindness. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist. Take victim immediately to hospital.

### If swallowed

Clean mouth with water and drink afterwards plenty of water. Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

### 4.2 Most important symptoms and effects, both acute and delayed

H314 - Causes severe skin burns and eye damage

H315 - Causes skin irritation

H319 - Causes serious eye irritation

### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

### Section 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical.

According to Regulation (EC) No 1907/2006



#### 5.2 Special hazards arising from the substance or mixture

Do not allow run-off from fire fighting to enter drains or water courses.

### 5.3 Advice for firefighters

Wear self-contained breathing equipment and protective suit.

### 5.4 Additional Information

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### Section 6. ACCIDENTAL RELEASE MEASURE

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

Use personal protective equipment. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

### 6.2 Environmental precautions

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3 Methods and material for containment and cleaning up

Neutralize with chalk, alkali solution or ammonia. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

### 6.4 Reference to other sections

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### Section 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid formation of aerosol. Do not breathe vapours/dust. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national regulations.

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

No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

### 7.3 Specific end use(s)

For research use only.

### Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters: None

Ingredients with workplace control parameters

Ingredients:	CAS No.:	Value type (Form	Control parameters/Permissible	Basis
		of exposure)	concentration	
Acetic acid	64-19-7	TWA	10 ppm	ACGIH
		STEL	15 ppm	ACGIH
		ST	15 ppm, 37 mg/m <sup>3</sup>	NIOSH REL
		TWA	10 ppm, 25 mg/m <sup>3</sup>	NIOSH REL
		TWA	10 ppm, 25 mg/m <sup>3</sup>	OSHA Z-1
		TWA	10 ppm, 25 mg/m <sup>3</sup>	OSHA PO
		PEL	10 ppm, 25 mg/m <sup>3</sup>	CAL PEL
		STEL	15 ppm, 37 mg/m3	CAL PEL
		С	40 ppm	CAL PEL

### 8.2 Exposure controls

Personal protective equipment

According to Regulation (EC) No 1907/2006



Eye/face protection: Safety glasses. Used to prevent splash hazards. Government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Recommended to avoid contamination with these hazards.

Hand protection: Protective gloves, use for short times chemical resistant latex gloves with code EN 374-3 level 1.

Respiratory protection: Not necessary, if the workplace is well-ventilated.

Personal Hygiene: Wash hands before breaks and at the end of work. Handle in accordance with good industrial hygiene and safety practice.

### Section 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance: liquid/Color: Clear/Odor: vinegar-like /pH: 5.0~5.8

#### 9.2 Other information

### Section 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

Stable under normal condition.

### 10.3 Possibility of hazardous reactions

No hazards to be specially mentioned.

#### 10.4 Conditions to avoid

Keep away from heat, flame, sparks and other ignition sources.

### 10.5 Incompatible materials

Alcohols, Amines, hydroxides, Metals, Oxidizing agents, peroxides and potassium permanganate.

### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

### Section 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute toxicity

Not Classified

Chemical Name	Oral LD50 (Rat)	Dermal LD50 (Rabbit)	Inhalation LC50 (Rat)
acetic acid CAS No.: 64-19-7	3,310 mg/kg	1,112 mg/kg	11.4 mg/l (4h)

Skin corrosion/irritation Causes severe burns

Serious eye damage/irritation May cause irretrievable eyes damage

Respiratory or skin sensitization May irritate skin Germ cell mutagenicity Not Classified Carcinogenicity Not Classified Reproductive toxicity Not Classified Specific target organ toxicity (STOT) - single exposure Not Classified Specific target organ toxicity (STOT) - repeated exposure Not Classified Aspiration hazard Not Classified

### 11.2 Information on other hazards

No data available

### Section 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

According to Regulation (EC) No 1907/2006



### Following information is valid for pure substances.

Chemical: Acetate acid CAS No.: 64-19-7

Toxicity to fish: LC50 (Oncorhynchus mykiss (rainbow trout)): 1,000 mg/l, Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): 300.82 mg/l, Exposure

time: 48 h

### 12.2 Persistence and degradability

No data available.

### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

#### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### 12.6 Endocrine disrupting properties

No data available.

### 12.7 Other adverse effects

No data available.

### Section 13. DISPOSAL CONSIDERATIONS

Refer to local regulations.

#### 13.1 Waste treatment methods

Dispose of contents/container in accordance with local regulation.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

### Section 14. TRANSPORT INFORMATION

14.1 UN number

ADR/RID: UN2790 IMDG: UN2790 IATA: UN2790

14.2 UN proper shipping name

ADR/RID: Acetate acid solution IMDG: Acetate acid solution IMDG: Acetate acid solution

14.3 Transport hazard class(es)

ADR/RID: 8 IMDG: 8 IATA: 8

14.4 Packaging group

ADR/RID: III IMDG: III IATA: III

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA-DGR: no

### 14.6 Special precautions for user

None

### 14.7 Maritime transport in bulk according to IMO instruments

Not Applicable.

### **Further information**

Not classified as dangerous in transport regulations.

### Section 15. REGULATIONS INFORMATION

**15.1** Safety, health, and environmental regulations/legislation specific for the substance or mixture Look for your country-specific regulations.

According to Regulation (EC) No 1907/2006



### 15.2 Chemical safety assessment

Not necessary

### Section 16. OTHER INFORMATION

### 16.1 List of R, H and P phrases

Full text of H-Statements referred to under sections 2 and 3.

### 16.2 Training Advice

Regular safety training.

### 16.3 Recommended Restriction on Use

Only for professional/research user.

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### Section 1. IDENTIFICATION

### 1.1 Product Identifier

Commercial Product Name: FAPG3 Buffer

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Product form: Laboratory chemical mixture/Lysis Buffer

Relevant identified uses: For research use only, not for diagnostic use.

Uses advised against:

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### 1.3 Details of the supplier of the safety data sheet

Company: Favorgen Biotech Corp.

Address: Ping-Tung Agricultural Biotechnology Park No. 8-1, Yuanxi 2<sup>nd</sup> Road, Ping Tung 908126, TAIWAN

Phone Number: +886-8-762-1829

### 1.4 Emergency telephone number

+886-8-762-1829

### Section 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Hazard identification Hazard classes/categories

Acute oral toxicity	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2

GHS hazard pictograms:



GHS07

Signal word: **WARNING** Hazard statement(s)

H302 Harmful if swallowed
H315 Causes skin irritation
H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

P264 Wash hands thoroughly after handling

P270 Do not eat, drink or smoke when using this product

P273 Avoid release to the environment

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

P330 Rinse mouth

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P332 + P313 IF SKIN irritation occurs: Get medical advice/attention. P302 + P352 IF ON SKIN: Wash with plenty of soap and water

According to Regulation (EC) No 1907/2006



P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

### 2.2 Label elements

According to section 1.5.2 of Annex I to CLP

#### GHS symbol



GHS07

#### WARNING

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances or 3.2 Mixtures

Chemical: Guanidine hydrochloride CAS No.: 50-01-1

Concentration: 36~50%

Classification: H302, Acute oral Tox. 4
H315, Skin Irritation 2

H315, Skin Irritation 2 H319, Eye Irritation 2

Chemical: Polyoxyethylene sorbitan monolaurate (Tween® 20) CAS No.: 9005-64-5

Concentration: 1~10%

Classification: No criteria for classification or naming of chemical not required.

### Section 4. FIRST AID MEASURES

### 4.1 Description of first-aid measures

### If inhaled

After inhalation: fresh air. If breathing stops: mouth-to-mouth breathing or artificial respiration. Oxygen if necessary. Immediately call in physician.

### In case of skin contact

After skin contact: Take off immediately all contaminated clothing. Rinse skin with water/shower.

### In case of eye contact

After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.

### If swallowed

After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.

### 4.2 Most important symptoms and effects, both acute and delayed

H302 - Harmful if swallowed.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H412 - Harmful to aquatic life.

### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

### Section 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

All extinguishers can be used.

### 5.2 Special hazards arising from the substance or mixture

None known.

### 5.3 Advice for firefighters

No specific fire or explosion hazard.

### 5.4 Additional Information

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According to Regulation (EC) No 1907/2006



### Section 6. ACCIDENTAL RELEASE MEASURE

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

Do not breathe vapours/Ensure adequate ventilation/Avoid contact with skin, eyes or clothing/Use personal protection equipment/Regular staff training is necessary.

#### 6.2 Environmental precautions

Do not allow mixture to enter ground water system.

### 6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material.

### 6.4 Reference to other sections

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### Section 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Always wear recommended Personal Protective Equipment.

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

Keep in a dry, cool, and well-ventilated place.

#### 7.3 Specific end use(s)

For research use only.

### Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters: None

Chemical: Guanidine hydrochloride CAS No.: 50-01-1

NIOSH: not listed OSHA: not listed

Chemical: Polyoxyethylene sorbitan monolaurate CAS No.: 9005-64-5

### 8.2 Exposure controls

Good ventilation and exhaust system in the workplace, and the floor has drainage and washing facilities, which can resist the erosion of chemicals. Must maintain the highest level of cleanliness in the workplace.

### Personal protective equipment

**Eye/face protection:** Safety glasses. Used to prevent splash hazards. Government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Recommended to avoid contamination with these hazards.

**Hand protection:** Protective gloves, use for short times chemical resistant latex gloves with code EN 374-3 level 1.

Respiratory protection: Not necessary, if the workplace is well-ventilated.

**Personal Hygiene:** Wash hands before breaks and at the end of work. Handle in accordance with good industrial hygiene and safety practice.

### Section 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance: liquid/Color: slightly yellow/Odor: odorless/pH: 4.2~5.3

### 9.2 Other information

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### Section 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available.

According to Regulation (EC) No 1907/2006



### 10.2 Chemical stability

No data available.

### 10.3 Possibility of hazardous reactions

Note: Can form very reactive substances with oxidizing agents.

### 10.4 Conditions to avoid

Not necessary.

### 10.5 Incompatible materials

Note: Avoid contact with strong acids or alkalines.

### 10.6 Hazardous decomposition products

Decompositions are not observed during the expiration period under recommended conditions.

### Section 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute toxicity

Not Classified

Chemical Name	Oral LD50 (Rat)	Dermal LD50 (Rabbit)	Inhalation LC50 (Rat)
Guanidine hydrochloride CAS No.: 50-01-1	475-907 mg/kg	2000 mg/kg	[4h] 3181-7655 μg/m³
Polyoxyethylene sorbitan monolaurate CAS No.: 9005-64-5	No data available	No data available	No data available

Skin irritation/ Irritating to eyes Skin corrosion/irritation Serious eye damage/irritation Not Classified Respiratory or skin sensitization Not Classified Germ cell mutagenicity Not Classified Not Classified Carcinogenicity Reproductive toxicity Not Classified Specific target organ toxicity (STOT) - single exposure Not Classified Specific target organ toxicity (STOT) - repeated exposure Not Classified Not Classified Aspiration hazard

### 11.2 Information on other hazards

No data available.

### Section 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

Following information is valid for pure substances.

Chemical: guanidine hydrochloride

CAS No.: 50-01-1

LC50leuciscus idus/96h: 1759 mg/L WGK (DE): 1 WGK No.: 0788 Storage class (VCI): 12

Chemical: polyoxyethylene sorbitan monolaurate (Tween® 20)

CAS No.: 9005-64-5 WGK (DE): 1

Storage class (VCI): 10-11

### 12.2 Persistence and degradability

No data available.

### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

According to Regulation (EC) No 1907/2006



No data available.

### 12.6 Endocrine disrupting properties

No data available.

### 12.7 Other adverse effects

No data available.

### Section 13. DISPOSAL CONSIDERATIONS

Refer to local regulations.

#### 13.1 Waste treatment methods

Dispose of contents/container in accordance with local regulation.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

### Section 14. TRANSPORT INFORMATION

14.1 UN number

ADR/RID: - IMDG: - IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods IMDG: Not dangerous goods IMDG: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: No IMDG Marine pollutant: No IATA-DGR: No

14.6 Special precautions for user

None.

### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

### **Further information**

Not classified as dangerous in transport regulations.

### Section 15. REGULATIONS INFORMATION

# **15.1** Safety, health, and environmental regulations/legislation specific for the substance or mixture Look for your country-specific regulations.

### 15.2 Chemical safety assessment

Not necessary.

### Section 16. OTHER INFORMATION

### 16.1 List of R, H and P phrases

Full text of H-Statements referred to under sections 2 and 3.

### 16.2 Training Advice

Regular safety training.

### 16.3 Recommended Restriction on Use

Only for professional/research user.

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According to Regulation (EC) No 1907/2006



### Section 1. IDENTIFICATION

#### 1.1 Product Identifier

Commercial Product Name: Wash Buffer

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Product form: Laboratory chemical mixture

Relevant identified uses: For research use only, not for diagnostic use.

Uses advised against:

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### 1.3 Details of the supplier of the safety data sheet

Company: Favorgen Biotech Corp.

Address: Ping-Tung Agricultural Biotechnology Park No. 8-1, Yuanxi 2<sup>nd</sup> Road, Ping Tung 908126, TAIWAN

Phone Number: +886-8-762-1829

#### 1.4 Emergency telephone number

+886-8-762-1829

### Section 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

No hazardous substance as specified in Regulation (EC) No 1272/2008.

### 2.2 Label elements

Does not need labelling as hazardous.

### 2.3 Other hazards

Not applicable.

### Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances or 3.2 Mixtures

Chemical: chemicals/mixture < 1%, no declaration necessary CAS No.: ------

Concentration: 0.1 - <1%

### Section 4. FIRST AID MEASURES

### 4.1 Description of first-aid measures

If inhaled

Supply fresh air.

### In case of skin contact

Remove contaminated clothing. Rinse skin with water/shower.

### In case of eye contact

Rinse out with plenty of water.

### If swallowed

Consult a doctor if feeling unwell.

### 4.2 Most important symptoms and effects, both acute and delayed

No information available.

### 4.3 Indication of any immediate medical attention and special treatment needed

No information available.

### Section 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

All extinguishers can be used.

### 5.2 Special hazards arising from the substance or mixture

None.

### 5.3 Advice for firefighters

According to Regulation (EC) No 1907/2006



No explosion hazard.

### 5.4 Additional Information

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### Section 6. ACCIDENTAL RELEASE MEASURE

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

Ensure adequate ventilation.

#### 6.2 Environmental precautions

Do not allow mixture to enter ground water system.

### 6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material.

### 6.4 Reference to other sections

--

### Section 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Always wear recommended Personal Protective Equipment.

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

Keep container tightly closed in a dry and well-ventilated place.

### 7.3 Specific end use(s)

For research use only.

### Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters:

Contains no substances with occupational exposure limit.

### 8.2 Exposure controls

### Personal protective equipment

Personal Hygiene: Wash hands before breaks and at the end of work. Handle in accordance with good

industrial hygiene and safety practice.

**Eye/face protection:** Tight sealing safety glasses.

Hand protection: Protective gloves.

**Respiratory protection:** Not necessary, if the workplace is well-ventilated.

### Section 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance: liquid/Color: Clear/Odor: odorless/pH: 7.5~8.5

### 9.2 Other information

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### Section 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

None.

### 10.2 Chemical stability

No data available.

### 10.3 Possibility of hazardous reactions

None.

According to Regulation (EC) No 1907/2006



### 10.4 Conditions to avoid

Not necessary.

### 10.5 Incompatible materials

None.

### 10.6 Hazardous decomposition products

Decompositions are not observed during the expiration period under recommended conditions.

### Section 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Not Classified Acute toxicity Skin corrosion/irritation Not Classified Serious eye damage/irritation Not Classified Not Classified Respiratory or skin sensitization Germ cell mutagenicity Not Classified Carcinogenicity Not Classified Reproductive toxicity Not Classified Specific target organ toxicity (STOT) - single exposure Not Classified Specific target organ toxicity (STOT) - repeated exposure Not Classified Aspiration hazard Not Classified

#### 11.2 Information on other hazards

No data available.

### Section 12. ECOLOGICAL INFORMATION

#### 12.1 Toxicity

Contains no substances known to be hazardous to the ecosystem.

### 12.2 Persistence and degradability

No data available.

### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### 12.6 Endocrine disrupting properties

No data available.

### 12.7 Other adverse effects

No data available.

### Section 13. DISPOSAL CONSIDERATIONS

Refer to local regulations.

### 13.1 Waste treatment methods

 $\label{local_problem} \mbox{Dispose of contents/container in accordance with local regulation.}$ 

Empty containers should be taken to an approved waste handling site for recycling or disposal.

### Section 14. TRANSPORT INFORMATION

### 14.1 UN number

ADR/RID: - IMDG: - IATA: -

### 14.2 UN proper shipping name

According to Regulation (EC) No 1907/2006



ADR/RID: Not dangerous goods IMDG: Not dangerous goods IMDG: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA-DGR: no

14.6 Special precautions for user

None.

14.7 Maritime transport in bulk according to IMO instruments

Not Applicable.

**Further information** 

Not classified as dangerous in transport regulations.

### Section 15. REGULATIONS INFORMATION

**15.1** Safety, health, and environmental regulations/legislation specific for the substance or mixture Look for your country-specific regulations.

#### 15.2 Chemical safety assessment

Not necessary.

### Section 16. REGULATIONS INFORMATION

### 16.1 List of R, H and P phrases

Full text of H-Statements referred to under sections 2 and 3.

16.2 Training Advice

Regular safety training.

16.3 Recommended Restriction on Use

Only for professional/research user.

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### Section 1. IDENTIFICATION

### 1.1 Product Identifier

Commercial Product Name: Elution Buffer

1.2 Relevant identified uses of the substance or mixture and uses advised against

Product form: Laboratory chemical mixture

Relevant identified uses: For research use only, not for diagnostic use.

 $Uses\ advised\ against:$ 

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1.3 Details of the supplier of the safety data sheet

Company: Favorgen Biotech Corp.

Address: Ping-Tung Agricultural Biotechnology Park No. 8-1, Yuanxi  $2^{nd}$  Road, Ping Tung 908126, TAIWAN Phone Number: +886-8-762-1829

1.4 Emergency telephone number

+886-8-762-1829

According to Regulation (EC) No 1907/2006



### Section 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

No hazardous substance as specified in Regulation (EC) No 1272/2008.

### 2.2 Label elements

Does not need labelling as hazardous.

### 2.3 Other hazards

Not applicable.

### Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances or 3.2 Mixtures

Chemical: chemicals/mixture < 1%, no declaration necessary CAS No.: ------

Concentration: 0.1 - <1%

### Section 4. FIRST AID MEASURES

### 4.1 Description of first-aid measures

If inhaled

Supply fresh air.

In case of skin contact

Remove contaminated clothing. Rinse skin with water/shower.

In case of eye contact

Rinse out with plenty of water.

If swallowed

Consult a doctor if feeling unwell.

### 4.2 Most important symptoms and effects, both acute and delayed

No information available.

### 4.3 Indication of any immediate medical attention and special treatment needed

No information available.

### Section 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

All extinguishers can be used.

### 5.2 Special hazards arising from the substance or mixture

None.

### 5.3 Advice for firefighters

No explosion hazard.

### 5.4 Additional Information

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### Section 6. ACCIDENTAL RELEASE MEASURE

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

Ensure adequate ventilation.

### **6.2 Environmental precautions**

Do not allow mixture to enter ground water system.

### 6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material.

### 6.4 Reference to other sections

---

According to Regulation (EC) No 1907/2006



### Section 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Always wear recommended Personal Protective Equipment.

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

Keep container tightly closed in a dry and well-ventilated place.

#### 7.3 Specific end use(s)

For research use only.

### Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters:

Contains no substances with occupational exposure limit.

#### 8.2 Exposure controls

#### Personal protective equipment

Personal Hygiene: Wash hands before breaks and at the end of work. Handle in accordance with good

industrial hygiene and safety practice.

Eye/face protection: Tight sealing safety glasses.

Hand protection: Protective gloves.

Respiratory protection: Not necessary, if the workplace is well-ventilated.

### Section 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance: liquid/Color: Clear/Odor: odorless/pH: 8.0~9.0

### 9.2 Other information

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### Section 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

None.

### 10.2 Chemical stability

No data available.

### 10.3 Possibility of hazardous reactions

None.

### 10.4 Conditions to avoid

Not necessary.

### 10.5 Incompatible materials

None.

### ${\bf 10.6\ Hazardous\ decomposition\ products}$

Decompositions are not observed during the expiration period under recommended conditions.

### Section 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute toxicity 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 (STOT) - single exposure Not Classified

According to Regulation (EC) No 1907/2006



Specific target organ toxicity (STOT) – repeated exposure
Aspiration hazard

Not Classified Not Classified

### 11.2 Information on other hazards

No data available.

### Section 12. ECOLOGICAL INFORMATION

#### 12.1 Toxicity

Contains no substances known to be hazardous to the ecosystem.

### 12.2 Persistence and degradability

No data available.

### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### 12.6 Endocrine disrupting properties

No data available.

### 12.7 Other adverse effects

No data available.

### Section 13. DISPOSAL CONSIDERATIONS

Refer to local regulations.

### 13.1 Waste treatment methods

Dispose of contents/container in accordance with local regulation.

 $\label{lem:empty} \mbox{Empty containers should be taken to an approved waste handling site for recycling or disposal.}$ 

### Section 14. TRANSPORT INFORMATION

14.1 UN number

ADR/RID: - IMDG: - IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods IMDG: Not dangerous goods IMDG: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: No IMDG Marine pollutant: No IATA-DGR: No

### 14.6 Special precautions for user

None

### 14.7 Maritime transport in bulk according to IMO instruments

Not Applicable.

### Further information

Not classified as dangerous in transport regulations.

According to Regulation (EC) No 1907/2006



### Section 15. REGULATIONS INFORMATION

# **15.1** Safety, health, and environmental regulations/legislation specific for the substance or mixture Look for your country-specific regulations.

### 15.2 Chemical safety assessment

Not necessary.

### Section 16. REGULATIONS INFORMATION

### 16.1 List of R, H and P phrases

Full text of H-Statements referred to under sections 2 and 3.

### 16.2 Training Advice

Regular safety training.

### 16.3 Recommended Restriction on Use

Only for professional/research user.

### Section 1. IDENTIFICATION

#### 1.1 Product Identifier

Commercial Product Name: RNase A Solution

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Product form: Laboratory chemical mixture

Relevant identified uses: For research use only, not for diagnostic use.

Uses advised against:

----

### 1.3 Details of the supplier of the safety data sheet

Company: Favorgen Biotech Corp.

Address: Ping-Tung Agricultural Biotechnology Park No. 8-1, Yuanxi 2<sup>nd</sup> Road, Ping Tung 908126, TAIWAN

Phone Number: +886-8-762-1829

### 1.4 Emergency telephone number

+886-8-762-1829

### Section 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

No hazardous substance as specified in Regulation (EC) No 1272/2008.

### 2.2 Label elements

Does not need labelling as hazardous.

### 2.3 Other hazards

Not applicable.

### Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances or 3.2 Mixtures

Chemical: Ribonuclease A from bovine pancreas CAS No.: 9001-99-4

Concentration: -----

### Section 4. FIRST AID MEASURES

According to Regulation (EC) No 1907/2006



#### 4.1 Description of first-aid measures

If inhaled

Supply fresh air.

#### In case of skin contact

Remove contaminated clothing. Rinse skin with water/shower.

#### In case of eye contact

Rinse out with plenty of water.

### If swallowed

Consult a doctor if feeling unwell.

### 4.2 Most important symptoms and effects, both acute and delayed

No information available.

### 4.3 Indication of any immediate medical attention and special treatment needed

No information available.

### Section 5. FIRE-FIGHTING MEASURES

#### 5.1 Extinguishing media

All extinguishers can be used.

### 5.2 Special hazards arising from the substance or mixture

None

### 5.3 Advice for firefighters

No explosion hazard.

### 5.4 Additional Information

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### Section 6. ACCIDENTAL RELEASE MEASURE

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

Ensure adequate ventilation.

### 6.2 Environmental precautions

Do not allow mixture to enter ground water system.

### 6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material.

### 6.4 Reference to other sections

---

### Section 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Always wear recommended Personal Protective Equipment.

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

Keep container tightly closed in a dry and well-ventilated place.

### 7.3 Specific end use(s)

For research use only.

### Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters:

Components with limit values that require monitoring at the workplace: Not required.

### 8.2 Exposure controls

Good ventilation and exhaust system in the workplace, and the floor has drainage and washing facilities, which can resist the erosion of chemicals. Must maintain the highest level of cleanliness in the workplace.

According to Regulation (EC) No 1907/2006



### Personal protective equipment

**Eye/face protection:** Safety glasses. Used to prevent splash hazards. Government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Recommended to avoid contamination with these hazards.

Hand protection: Protective gloves, use for short times chemical resistant latex gloves with code EN 374-3 level 1.

Respiratory protection: Not necessary, if the workplace is well-ventilated.

**Personal Hygiene**: Wash hands before breaks and at the end of work. Handle in accordance with good industrial hygiene and safety practice.

### Section 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance: liquid/Odor: odorless

### 9.2 Other information

---

### Section 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available.

#### 10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature). Stable under recommended storage conditions.

#### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products

No information available

### Section 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

information on toxicological criccis	
Acute toxicity	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 (STOT) – single exposure	Not Classified
Specific target organ toxicity (STOT) – repeated exposure	Not Classified
Aspiration hazard	Not Classified

### 11.2 Information on other hazards

No data available.

### Section 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

No data available.

### 12.2 Persistence and degradability

No data available.

According to Regulation (EC) No 1907/2006



### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

This substance contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Endocrine disrupting properties

Nol data available.

### 12.7 Other adverse effects

No data available.

### Section 13. DISPOSAL CONSIDERATIONS

Refer to local regulations.

### 13.1 Waste treatment methods

Dispose of contents/container in accordance with local regulation.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

### Section 14. TRANSPORT INFORMATION

### No dangerous goods according to transport regulations

14.1 UN number

ADR/RID: - IMDG: - IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods IMDG: Not dangerous goods IMDG: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA-DGR: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA-DGR: no

14.6 Special precautions for user

None.

### 14.7 Maritime transport in bulk according to IMO instruments

Not Applicable.

### **Further information**

Not classified as dangerous in transport regulations.

### Section 15. REGULATIONS INFORMATION

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

This material safety data sheet complies with the requirements of Regulation (EC) No.1907/2006.

### 15.2 Chemical safety assessment

Not necessary.

### Section 16. REGULATIONS INFORMATION

### 16.1 List of R, H and P phrases

Full text of H-Statements referred to under sections 2 and 3.

### 16.2 Training Advice

# Material Safety Data Sheet According to Regulation (EC) No 1907/2006



Regular safety training.

**16.3 Recommended Restriction on Use**Only for professional/research user.