Norgen Plasmid MiniPrep Kit

Identification of the substance/preparation and of the company/undertaking

Norgen Plasmid MiniPrep Kit **Product name** Manufacturer : Norgen Biotek Corp.

344 Merritt St.

St. Catharines, Ontario Canada L2T 1K6 Tel: (905) 227-8848 Fax: (905) 227-1061

Supplier: Norgen Biotek Corp.

344 Merritt St.

St. Catharines, Ontario Canada L2T 1K6 Tel: (905) 227-8848 Fax: (905) 227-1061

Synonyms : Not available. **Emergency Chemical Formula**

Canada: telephone Not applicable. number

CANUTEC-1-613-996-6666

US

CHEMTREC-1-800-424-9300

Material Uses Catalog# P/N 13303;

Chemical product name

: Resuspension buffer.

: Not applicable.

2. Composition/information on ingredients

Substance/Preparation : Preparation.

Chemical name	CAS No.	%	EC Number	Classification
United States				
Germany				
United Kingdom (UK)				
Japan				
Canada				

This material is classified as non-hazardous under the United States OSHA regulation, the European DSD/DPD Directives and several countries specific requirements, in Japan and under the Canadian WHMIS regulation.

Hazards identification 3.

Physical State and **Emergency Overview** : Liquid. (Clear.)

Appearance

: No specific hazard.

USE WITH CARE.

Follow good industrial hygiene practice.

Routes of Entry

: Dermal contact. Eye contact. Inhalation. Ingestion.

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Effects and symptoms

: Slightly hazardous in case of skin contact (irritant). Non-sensitizer for skin. **Skin Contact**

: Slightly hazardous in case of eye contact (irritant). **Eye Contact**

Aggravating conditions : Repeated or prolonged exposure is not known to aggravate medical condition.

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First aid measures

First-Aid measures

Inhalation

4.

Ingestion

Skin Contact

: If inhaled, remove to fresh air. Get medical attention if symptoms appear.

: Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to

an unconscious person. If large quantities of this material are swallowed, call a physician immediately. : Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation

develops. Cold water may be used.

Eye Contact : Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of

water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.

Notes to physician : No specific antidote. Medical staff must contact Poison Information Center.

Protection of first-aiders : Not available

5. Fire-fighting measures

Extinguishing Media

Suitable : Use extinguishing media suitable for surrounding materials.

Unsuitable. : Not applicable. Unusual fire/explosion hazards : Not applicable. Hazardous thermal : Not applicable. decomposition products

Special fire-fighting procedures

: Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout

Protection of fire-fighters : Not applicable.

Accidental release measures

Personal precautions

: Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist before handling this product.

Environmental Precautions and Clean-up Methods

Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Note: See section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

Handling

: Avoid contact with eyes. Wear suitable protective clothing. If you feel unwell, seek medical attention and show the label when possible. Keep away from incompatibles such as oxidizing agents.

Storage

Keep container tightly closed. Keep container in a cool, well-ventilated area. Preferred storage temperature is 4°C. For long-term storage keep at -20°C.

Germany - Storage Code : Not available.

8. Exposure controls/personal protection

Engineering measures

: Good general ventilation should be sufficient to control airborne levels.

Occupational Exposure Limits

Hygiene measures

: Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of

Ingredient Name

United States

1) None assigned.

Germany

1) None assigned.

United Kingdom (UK)

1) None assigned.

Japan

1) None assigned.

Canada

1) None assigned.

Recommended monitoring procedures

Not available.

Personal protective equipment

Skin and body Lab coat. Eyes Safety glasses.

Date of issue : 2004-11-12. Page: 2/5

9. Physical and chemical properties

Physical state : Liquid. (Clear.) Color Colorless. Odor Odorless : Neutral pH

Boiling Point The lowest known value is 99.9°C (211.8°F) (Water).

May start to solidify at -0.1°C (31.8°F) based on data for: Water. **Melting Point**

Flash point

Risks of explosion of the product in presence of mechanical impact: Not applicable. **Explosive properties**

Risks of explosion of the product in presence of static discharge: Not applicable.

Vapor Pressure The highest known value is 2.3 kPa (17.5 mm Hg) (at 20°C) (Water).

The only known value is 1 (Water = 1) (Water).

Solubility Miscible in water.

Vapor Density : The highest known value is 0.62 (Air = 1) (Water).

10. Stability and reactivity

: The product is stable at room temperature. Stability

The product is unstable at a temperature above 37°C. See Section 7 for storage conditions. Conditions to avoid

Materials to avoid Reactive with oxidizing agents.

Hazardous Decomposition

: Not applicable.

Toxicological information

Acute toxicity

Products

Test Ingredient Name Result **Route Species**

Skin irritation : Slightly hazardous in case of skin contact (irritant). Eye irritation : Slightly hazardous in case of eye contact (irritant).

Sensitization : Non-sensitizer for skin.

Chronic toxicity : Repeated or prolonged exposure is not known to aggravate medical condition.

Carcinogenic Effects : Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Mutagenic Effects : Not available. Reproduction toxicity : Not available : Not available **Developmental and**

Teratogenic Effects

To the best of our knowledge, the toxicological properties of this substance have not been investigated thoroughly.

12. Ecological information

Ecotoxicity Data

(EWC)

Ingredient Name Species Period Result

Mobility : Not available Persistence/degradability : Not available Bioaccumulative potential : Not available. Soil/Water Partition Coefficient (Koc) : Not available

Disposal considerations

Methods of disposal Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Classification Not applicable. **European Waste Catalogue** : Not available.

Hazardous Waste To present knowledge of the supplier, this product is not regarded as hazardous waste as defined by

EU Directive 91/689/EC

14. Transport information

International transport regulations

Date of issue : 2004-11-12. Page: 3/5

Norgen Plasmid Mini	Prep Kit	
Regulatory Information	Classification	
DOT (United States)	Not regulated.	-
ADR/RID (Europe)	Not regulated.	-
ADN (Europe)	Not regulated.	_
Road Law (Japan)	Not regulated.	-
TDG (Canada)	Not regulated.	- -
IATA-DGR	Not regulated.	_
IMDG	Not regulated.	

15. Regulatory information

HCS (United States)

: Not controlled under the HCS (United States).

U.S. Federal Regulations

: TSCA 8(b) inventory: All components listed.

SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312 hazardous chemicals: No products were found.

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.

Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 accidental release prevention: No products were found. Clean air act (CAA) 112 regulated flammable substances: No products were found. Clean air act (CAA) 112 regulated toxic substances: No products were found.

SARA 313

Form R - Reporting

Supplier Notification

: No products were found.

Requirements

: No products were found.

State Regulations

California prop. 65: No products were found.

EU Regulations

Product Use

: Classification and labeling have been performed according to EU directives 67/548/EEC, 1999/45/EC

including amendments and the intended use. - Industrial applications.

National regulations

Germany

Ordinance on Combustible

Liquids

Hazard class for water

(GWK)

United Kingdom (UK)

VOC Content (Retail Use) : Not applicable.

VOC Content (Industrial

: Contains 0 wt% VOC.

: Class: Omitted

Japan Control Laws : Not applicable.

: Not controlled under WHMIS (Canada). WHMIS (Canada)

DSL/NDSL: All components listed.

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

16. Other information

US Label Requirements : USE WITH CARE.

Page: 4/5 Date of issue : 2004-11-12.

Hazardous Material Information System (U.S.A.)



National Fire Protection Association (U.S.A.)



Europe Label

Japan Label : Not applicable.

WHMIS Label :

HISTORY

 Date of printing
 : 2004-11-12.

 Date of issue
 : 2004-11-12.

Date of Previous Issue : No Previous Validation.

Version : 1

Prepared by : Kemika XXI inc.

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Version 1		Page: 5/5
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Norgen Plasmid MiniPrep Kit

Identification of the substance/preparation and of the company/undertaking

Norgen Plasmid MiniPrep Kit **Product name** Manufacturer : Norgen Biotek Corp.

344 Merritt St.

St. Catharines, Ontario Canada L2T 1K6 Tel: (905) 227-8848 Fax: (905) 227-1061

Chemical product name : Not applicable. Supplier: Norgen Biotek Corp.

344 Merritt St.

St. Catharines, Ontario Canada L2T 1K6 Tel: (905) 227-8848 Fax: (905) 227-1061

Synonyms : Not available. **Emergency Chemical Formula**

telephone Not applicable. number

Canada: CANUTEC-1-613-996-6666

US

CHEMTREC-1-800-424-9300

Material Uses : Lysis solution. Catalog#

P/N 13304; Not available.

Composition/information on ingredients

Substance/Preparation : Preparation.

Chemical name	CAS No.	%	EC Number	Classification
United States				
1) Sodium Lauryl Sulfate	151-21-3	0.1-10	205-788-1	Irritant
Germany				
1) Sodium Lauryl Sulfate	151-21-3	0.1-10	205-788-1	Xn; R22
2) Sodium hydroxide	1310-73-2	0.1-10	215-185-5	Xi; R36/37/38 C; R35
See Section 16 for the full text of the R Phrases declared above				
United Kingdom (UK)				
1) Sodium Lauryl Sulfate	151-21-3	0.1-10	205-788-1	Xn; R22 Xi; R36/37/38
2) Sodium hydroxide	1310-73-2	0.1-10	215-185-5	C; R35
Japan				
1) Sodium Lauryl Sulfate	151-21-3	0.1-10	Listed (METI). (2)-1675, (2)-1679	Not available.
Canada				
1) Sodium Lauryl Sulfate	151-21-3	0.1-10	205-788-1	D2B

This material is classified as hazardous under the United States OSHA regulation, the European DSD/DPD Directives and several countries specific requirements, in Japan and under the Canadian WHMIS regulation.

See Section 8 for Exposure Limits. See Section 11 for Toxicological Data. See Section 14 for UN Number.

Hazards identification

Physical State and Appearance

: Liquid. (Clear.)

Emergency Overview

Routes of Entry

: WARNING!

MAY BE HARMFUL IF SWALLOWED. MAY CAUSE EYE AND SKIN IRRITATION. Follow good industrial hygiene practice.

: Dermal contact. Eye contact. Inhalation. Ingestion.

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification in Europe : Xi; R36/38

Human health hazards : Irritating to eyes and skin.

Date of issue : 2004-11-12. Page: 1/5

Effects and symptoms

Skin Contact

: Hazardous in case of skin contact (irritant). Slightly hazardous in case of skin contact (corrosive). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

: Hazardous in case of eye contact (irritant). Slightly hazardous in case of eye contact (corrosive). **Eve Contact**

Aggravating conditions : Repeated or prolonged exposure is not known to aggravate medical condition.

First aid measures

First-Aid measures

Inhalation

: If inhaled, remove to fresh air. Get medical attention if symptoms appear.

Ingestion

: Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

Skin Contact

: In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Eye Contact

: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

Notes to physician

: No specific antidote. Medical staff must contact Poison Information Center.

Protection of first-aiders

: Not available.

5. Fire-fighting measures

Extinguishing Media

Suitable Unsuitable. : Use extinguishing media suitable for surrounding materials.

Unusual fire/explosion hazards Hazardous thermal decomposition products

: Not applicable. : Not applicable.

: Not applicable.

Special fire-fighting procedures

: Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout

Protection of fire-fighters

: Not applicable

6. Accidental release measures

Personal precautions

Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist before handling this product.

Environmental Precautions and

Clean-up Methods

Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Note: See section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

Handling

: Avoid contact with eyes. Wear suitable protective clothing. If you feel unwell, seek medical attention and show the label when possible. Keep away from incompatibles such as oxidizing agents.

Storage

Keep container tightly closed. Keep container in a cool, well-ventilated area. Preferred storage temperature is 4°C. For long-term storage keep at -20°C.

Germany - Storage Code

: Not available.

8. Exposure controls/personal protection

Engineering measures

: Good general ventilation should be sufficient to control airborne levels.

Occupational Exposure Limits

Hygiene measures

: Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking,

using lavatory, and at the end of day.

Ingredient Name United States

1) None assigned.

Germany

1) Sodium hydroxide

TRGS900 MAK (Germany, 2003). Notes:

Spitzenbegrenzung: 2 mg/m³ TWA: 2 mg/m³ 8 hour(s).

United Kingdom (UK)

1) Sodium hydroxide

EH40-OES (United Kingdom (UK), 2000).

STEL: 2 mg/m³ 15 minute(s).

Japan

1) None assigned.

None assigned.

Recommended monitoring procedures

Not available

Date of issue : 2004-11-12. Page: 2/5

Personal protective equipment

Respiratory system : Wear appropriate respirator when ventilation is inadequate.

Skin and body: Lab coat.Hands: Gloves.Eyes: Splash goggles.

9. Physical and chemical properties

Physical state: Liquid. (Clear.)Color: Colorless.Odor: Odorless.pH: Neutral.

Boiling Point : The lowest known value is 99.9°C (211.8°F) (Water).

Melting Point : May start to solidify at -0.1°C (31.8°F) based on data for: Water.

Flash point : Not applicable.

Explosive properties: Risks of explosion of the product in presence of mechanical impact: Not applicable.

Risks of explosion of the product in presence of static discharge: Not applicable.

Vapor Pressure : The highest known value is 2.3 kPa (17.5 mm Hg) (at 20°C) (Water).

Density : The only known value is 1 (Water = 1) (Water).

Solubility : Miscible in water.

Vapor Density : The highest known value is 0.62 (Air = 1) (Water).

10. Stability and reactivity

Stability : The product is stable at room temperature.

Conditions to avoid : The product is unstable at a temperature above 37°C. See Section 7 for storage conditions.

Materials to avoid : Reactive with oxidizing agents. Slightly reactive with acids.

Hazardous Decomposition

Products

: Not applicable.

11. Toxicological information

Acute toxicity

Ingredient NameTestResultRouteSpeciesSodium Lauryl SulfateLD501288 mg/kgOralRat

Skin irritation: Hazardous in case of skin contact (irritant).Eye irritation: Hazardous in case of eye contact (irritant).

Sensitization : Non-sensitizer for skin.

Chronic toxicity : Repeated or prolonged exposure is not known to aggravate medical condition.

Carcinogenic Effects : Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Mutagenic Effects: Not available.Reproduction toxicity: Not available.Developmental and: Not available.

Teratogenic Effects

To the best of our knowledge, the toxicological properties of this substance have not been investigated thoroughly.

12. Ecological information

Ecotoxicity Data

Ingredient Name Period Result Species Sodium Lauryl Sulfate Daphnia magna (EC50) 48 hour(s) 6 mg/l Daphnia magna (EC50) 48 hour(s) 31 ma/l Selenastrum capricornutum (EC50) 48 hour(s) 104.8 mg/l Cyprinus carpio (LC50) 96 hour(s) 1.31 mg/l Lepomis macrochirus (LC50) 96 hour(s) 4.5 mg/l Oncorhynchus mykiss (LC50) 96 hour(s) 4.62 mg/l

 Mobility
 : Not available.

 Persistence/degradability
 : Not available.

 Bioaccumulative potential
 : Not available.

 Soil/Water Partition Coefficient (Koc)
 : Not available.

13. Disposal considerations

Methods of disposal : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Classification : Not applicable

European Waste Catalogue : Not available.

(EWC)

Hazardous Waste : The classification of the product may meet the criteria for a hazardous waste

Date of issue : 2004-11-12. Page: 3/5

14. Transport information

International transport regulations

Regulatory Information	Classification	
DOT (United States)	Not regulated.	-
ADR/RID (Europe)	Not regulated.	-
ADN (Europe)	Not regulated.	-
Road Law (Japan)	Not regulated.	-
TDG (Canada)	Not regulated.	•
IATA-DGR	Not regulated.	
IMDG	Not regulated.	-

15. Regulatory information

HCS (United States)

U.S. Federal Regulations

: TSCA 8(b) inventory: All components listed.

SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found.

SARA 302/304/311/312 hazardous chemicals: Sodium Lauryl Sulfate

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Sodium Lauryl Sulfate:

Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard

Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: Sodium hydroxide

Clean air act (CAA) 112 accidental release prevention: No products were found. Clean air act (CAA) 112 regulated flammable substances: No products were found. Clean air act (CAA) 112 regulated toxic substances: No products were found.

SARA 313

Form R - Reporting

: No products were found.

Requirements **Supplier Notification**

: No products were found.

State Regulations

: Pennsylvania RTK: Sodium hydroxide: (environmental hazard, generic environmental hazard)

Massachusetts RTK: Sodium hydroxide

New Jersey: Sodium hydroxide

California prop. 65: No products were found.

EU Regulations

Product Use

Classification and labeling have been performed according to EU directives 67/548/EEC, 1999/45/EC

including amendments and the intended use.

- Industrial applications.

National regulations

Germany

: Yes. **Employment restrictions in**

accordance with § 15b of the **Hazardous Substance**

Ordinance

Hazardous Incident : No.

Ordinance

: Class: Omitted **Ordinance on Combustible**

Hazard class for water

(GWK)

: 1

United Kingdom (UK)

VOC Content (Retail Use)

: Not applicable.

VOC Content (Industrial

: Contains 0 wt% VOC.

Use)

: Not available. **Japan Control Laws**

WHMIS (Canada) : D-2B: Material causing other toxic effects (TOXIC).

Page: 4/5 Date of issue : 2004-11-12.

DSL/NDSL: All components listed.

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

16. Other information

US Label Requirements

: MAY BE HARMFUL IF SWALLOWED. MAY CAUSE EYE AND SKIN IRRITATION.

Hazardous Material Information System (U.S.A.)



National Fire Protection Association (U.S.A.)



Europe Label



Safety phrases

: S2- Keep out of the reach of children.

S46- If swallowed, seek medical advice immediately and show this container or label.

Japan Label : Not available.

WHMIS Label



HISTORY

 Date of printing
 : 2004-11-12.

 Date of issue
 : 2004-11-12.

Date of Previous Issue : No Previous Validation.

Version : 1

Prepared by : Kemika XXI inc.

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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Norgen Plasmid MiniPrep Kit

. Identification of the substance/preparation and of the company/undertaking

Product name : Norgen Plasmid MiniPrep Kit Manufacturer : Norgen Biotek Corp.

344 Merritt St.

St. Catharines, Ontario Canada L2T 1K6 Tel: (905) 227-8848 Fax: (905) 227-1061

Supplier: Norgen Biotek Corp.

344 Merritt St.

St. Catharines, Ontario Canada L2T 1K6 Tel: (905) 227-8848 Fax: (905) 227-1061

Synonyms : Not available. Emergency
Chemical Formula Not applicable telephone

Not applicable. telephone : number

Canada: CANUTEC-1-613-996-6666

US:

CHEMTREC-1-800-424-9300

Material Uses Catalog#

Chemical product name

: Binding solution.

: Not applicable.

P/N 13305; Not available.

2. Composition/information on ingredients

Substance/Preparation : Preparation.

Chemical name	CAS No.	%	EC Number	Classification
United States				
1) Guanidinium Hydrochloride	50-01-1	1-20	200-002-3	Toxic Irritant
Germany				
1) Guanidinium Hydrochloride	50-01-1	1-20	200-002-3	Xn; R22 Xi; R36/38
See Section 16 for the full text of the R Phrases declared above				
United Kingdom (UK)				
1) Guanidinium Hydrochloride	50-01-1	1-20	200-002-3	Xn; R22 Xi; R36/38
Japan				
1) Guanidinium Hydrochloride	50-01-1	1-20	Listed (METI). (2)-1773	Not available.
Canada				
1) Guanidinium Hydrochloride	50-01-1	1-20	200-002-3	D1B D2B

This material is classified as hazardous under the United States OSHA regulation, the European DSD/DPD Directives and several countries specific requirements, in Japan and under the Canadian WHMIS regulation.

See Section 8 for Exposure Limits. See Section 11 for Toxicological Data. See Section 14 for UN Number.

3. Hazards identification

Physical State and : Appearance

: Liquid. (Clear.)

Emergency Overview

: WARNING!

MAY BE HARMFUL IF SWALLOWED.
MAY CAUSE EYE AND SKIN IRRITATION.

Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapor or mist. Keep container

closed. Use with adequate ventilation. Wash thoroughly after handling.

Routes of Entry : Dermal contact. Eye contact. Inhalation. Ingestion.

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification in Europe

: Xn; R22 Xi; R36/37

Date of issue : 2004-11-12. Page: 1/5

Human health hazards

Harmful if swallowed.

Irritating to eyes and respiratory system.

Effects and symptoms

Inhalation

: Hazardous in case of inhalation (lung irritant).

Ingestion : Hazardous in case of ingestion.

Skin Contact

Hazardous in case of skin contact (irritant). Non-sensitizer for skin. Skin inflammation is characterized

by itching, scaling, reddening, or, occasionally, blistering.

Eye Contact Hazardous in case of eye contact (irritant).

Aggravating conditions Repeated or prolonged exposure is not known to aggravate medical condition.

First aid measures

First-Aid measures

Inhalation

: If inhaled, remove to fresh air. Get medical attention if symptoms appear.

Ingestion

: Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

Skin Contact

: In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Eye Contact

: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

Notes to physician

: No specific antidote. Medical staff must contact Poison Information Center.

Protection of first-aiders

: Not available

Fire-fighting measures

Extinguishing Media

Suitable

: Use extinguishing media suitable for surrounding materials.

Unsuitable. Unusual fire/explosion hazards : Not applicable. : Not applicable.

Hazardous thermal decomposition products

: Not applicable.

Special fire-fighting procedures

Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout

Protection of fire-fighters

: Not applicable.

Accidental release measures

Personal precautions

: Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist before handling this product.

Environmental Precautions and Clean-up Methods

Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary

Note: See section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

Handling

: Avoid contact with eyes. Wear suitable protective clothing. If you feel unwell, seek medical attention and show the label when possible. Keep away from incompatibles such as oxidizing agents.

Storage

Keep container tightly closed. Keep container in a cool, well-ventilated area. Preferred storage temperature is 4°C. For long-term storage keep at -20°C.

Germany - Storage Code

: Not available.

8. Exposure controls/personal protection

Engineering measures

: Good general ventilation should be sufficient to control airborne levels.

Hygiene measures

Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Ingredient Name

United States

1) None assigned.

Germany

1) None assigned.

United Kingdom (UK)

1) None assigned.

Japan

None assigned.

Canada

1) None assigned.

Occupational Exposure Limits

Date of issue : 2004-11-12. Page: 2/5

Recommended monitoring

: Not available

procedures

Personal protective equipment

Respiratory system : Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate

respirator when ventilation is inadequate.

Skin and body : Lab coat.

Hands : Gloves.

Eyes : Splash goggles

Physical and chemical properties

Physical state: Liquid. (Clear.)Color: Colorless.Odor: Odorless.pH: 4.8 [Acidic.]

Boiling Point : The lowest known value is 99.9°C (211.8°F) (Water).

Melting Point : May start to solidify at -0.1°C (31.8°F) based on data for: Water.

Flash point : Not applicable

Explosive properties : Risks of explosion of the product in presence of mechanical impact: Not applicable.

Risks of explosion of the product in presence of static discharge: Not applicable.

Vapor Pressure : The highest known value is 2.3 kPa (17.5 mm Hg) (at 20°C) (Water).

Density : The only known value is 1 (Water = 1) (Water).

Solubility : Miscible in water.

Vapor Density : The highest known value is 0.62 (Air = 1) (Water)

10. Stability and reactivity

Stability: The product is stable at room temperature.

Conditions to avoid : The product is unstable at a temperature above 37°C. See Section 7 for storage conditions.

Materials to avoid : Reactive with oxidizing agents.

Slightly reactive with acids.

Hazardous Decomposition

Products

: Not applicable.

11. Toxicological information

Acute toxicity

Ingredient NameTestResultRouteSpeciesGuanidinium HydrochlorideLD50475 mg/kgOralRatLD50571 mg/kgOralMouse

Skin irritation: Hazardous in case of skin contact (irritant).Eye irritation: Hazardous in case of eye contact (irritant).

Sensitization : Non-sensitizer for skin.

Chronic toxicity : Repeated or prolonged exposure is not known to aggravate medical condition.

Carcinogenic Effects : Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

 Mutagenic Effects
 : Not available.

 Reproduction toxicity
 : Not available

 Developmental and Teratogenic Effects
 : Not available

To the best of our knowledge, the toxicological properties of this substance have not been investigated thoroughly.

12. Ecological information

Ecotoxicity Data

Ingredient Name Species Period Result

Mobility: Not available.Persistence/degradability: Not available.Bioaccumulative potential: Not available.Soil/Water Partition Coefficient (Koc): Not available.

13. Disposal considerations

Methods of disposal : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Classification : Not applicable

European Waste Catalogue : Not available.

(EWC)

Hazardous Waste : The classification of the product may meet the criteria for a hazardous waste

Date of issue : 2004-11-12. Page: 3/5

14. Transport information

International transport regulations

Regulatory Information	Classification	
DOT (United States)	Not regulated.	-
ADR/RID (Europe)	Not regulated.	-
ADN (Europe)	Not regulated.	-
Road Law (Japan)	Not regulated.	-
TDG (Canada)	Not regulated.	-
IATA-DGR	Not regulated.	
IMDG	Not regulated.	-

15. Regulatory information

HCS (United States)

Irritating material

U.S. Federal Regulations

: TSCA 8(b) inventory: All components listed.

SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found.

SARA 302/304/311/312 hazardous chemicals: Potassium acetate.

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Potassium acetate.: Delayed

(Chronic) Health Hazard

Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 accidental release prevention: No products were found. Clean air act (CAA) 112 regulated flammable substances: No products were found. Clean air act (CAA) 112 regulated toxic substances: No products were found.

SARA 313

Form R - Reporting

: No products were found.

Requirements **Supplier Notification**

: No products were found.

State Regulations : No products were found.

California prop. 65: No products were found.

EU Regulations

Product Use

: Classification and labeling have been performed according to EU directives 67/548/EEC, 1999/45/EC

including amendments and the intended use.

- Industrial applications.

National regulations

Germany

Employment restrictions in accordance with § 15b of the

: Yes.

Hazardous Substance

Ordinance Hazardous Incident

Ordinance

: No.

Ordinance on Combustible Liquids

: Class: Omitted

Hazard class for water (GWK)

: 1

United Kingdom (UK)

VOC Content (Retail Use)

: Not applicable.

VOC Content (Industrial

: Contains 0 wt% VOC.

Use)

Japan Control Laws : Not available.

: D-1B: Material causing immediate and serious toxic effects (TOXIC). WHMIS (Canada)

D-2B: Material causing other toxic effects (TOXIC).

Page: 4/5 Date of issue : 2004-11-12.

DSL/NDSL: All components listed.

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

16. Other information

US Label Requirements

: MAY BE HARMFUL IF SWALLOWED. MAY CAUSE EYE AND SKIN IRRITATION.

Hazardous Material Information System (U.S.A.)



National Fire Protection Association (U.S.A.)



Europe Label



Safety phrases

: S2- Keep out of the reach of children.

S46- If swallowed, seek medical advice immediately and show this container or label.

Japan Label : Not available.

WHMIS Label



HISTORY

 Date of printing
 : 2004-11-12.

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Prepared by : Kemika XXI inc.

Notice to Reader

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Version 1	Page: 5/5
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Norgen Plasmid MiniPrep Kit

Identification of the substance/preparation and of the company/undertaking

: Norgen Plasmid MiniPrep Kit **Product name** Manufacturer : Norgen Biotek Corp.

344 Merritt St.

St. Catharines, Ontario Canada L2T 1K6 Tel: (905) 227-8848 Fax: (905) 227-1061

Chemical product name : Not applicable. Supplier: Norgen Biotek Corp.

344 Merritt St.

St. Catharines, Ontario Canada L2T 1K6 Tel: (905) 227-8848 Fax: (905) 227-1061

Synonyms : Not available. **Emergency** telephone **Chemical Formula**

Not applicable. CANUTEC-1-613-996-6666 number

US:

Canada:

CHEMTREC-1-800-424-9300

Material Uses : Wash solution. Catalog#

P/N 13307;

2. Composition/information on ingredients

Substance/Preparation : Preparation.

Chemical name	CAS No.	%	EC Number	Classification
United States				
1) Guanidinium Hydrochloride	50-01-1	0.1-10	200-002-3	Toxic Irritant
Germany				
1) Guanidinium Hydrochloride	50-01-1	0.1-10	200-002-3	Xn; R22 Xi; R36/38
See Section 16 for the full text of the R Phrases declared above				
United Kingdom (UK)				
1) Guanidinium Hydrochloride	50-01-1	0.1-10	200-002-3	Xn; R22 Xi; R36/38
Japan				
1) Guanidinium Hydrochloride	50-01-1	0.1-10	Listed (METI). (2)-1773	Not available.
Canada				
1) Guanidinium Hydrochloride	50-01-1	0.1-10	200-002-3	D1B D2B

This material is classified as hazardous under the United States OSHA regulation, the European DSD/DPD Directives and several countries specific requirements, in Japan and under the Canadian WHMIS regulation.

See Section 8 for Exposure Limits. See Section 11 for Toxicological Data. See Section 14 for UN Number.

3. Hazards identification

Physical State and : Liquid. (Clear.)

Appearance Emergency Overview

: CAUTION!

MAY BE HARMFUL IF SWALLOWED. MAY CAUSE EYE AND SKIN IRRITATION.

Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapor or mist. Keep container

closed. Use with adequate ventilation. Wash thoroughly after handling.

Routes of Entry : Dermal contact. Eye contact. Inhalation. Ingestion.

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification in Europe : Xn; R22

Xi; R36/37

Date of issue : 2004-11-12. Page: 1/5

Effects and symptoms

Inhalation : Hazardous in case of inhalation (lung irritant).

Ingestion : Hazardous in case of ingestion.

Skin Contact : Hazardous in case of skin contact (irritant). Non-sensitizer for skin. Skin inflammation is characterized

by itching, scaling, reddening, or, occasionally, blistering.

Eye Contact : Hazardous in case of eye contact (irritant).

Aggravating conditions : Repeated or prolonged exposure is not known to aggravate medical condition.

4. First aid measures

First-Aid measures

Inhalation : If inhaled, remove to fresh air. Get medical attention if symptoms appear.

Ingestion : Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to

an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

Skin Contact : In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse.

Thoroughly clean shoes before reuse. Get medical attention.

Eye Contact : Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

Notes to physician : No specific antidote. Medical staff must contact Poison Information Center.

Protection of first-aiders : Not available.

5. Fire-fighting measures

Extinguishing Media

Suitable : Use extinguishing media suitable for surrounding materials.

Unsuitable. : Not applicable.

Unusual fire/explosion hazards : Not applicable.

Hazardous thermal : Not applicable.

decomposition products

Special fire-fighting procedures : Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout

gear.

Protection of fire-fighters : Not applicable.

6. Accidental release measures

Personal precautions : Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult

a specialist before handling this product.

Environmental Precautions and Clean-up Methods : Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary

system.

Note: See section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

Handling : Avoid contact with eyes. Wear suitable protective clothing. If you feel unwell, seek medical attention

and show the label when possible. Keep away from incompatibles such as oxidizing agents.

Storage : Keep container tightly closed. Keep container in a cool, well-ventilated area. Preferred storage

temperature is 4°C. For long-term storage keep at -20°C.

Germany - Storage Code : Not available.

8. Exposure controls/personal protection

Engineering measures

: Good general ventilation should be sufficient to control airborne levels.

Occupational Exposure Limits

Hygiene measures : Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Ingredient Name

United States

1) None assigned.

Germany

1) None assigned.

United Kingdom (UK)

1) None assigned.

Japan

1) None assigned.

Canada

1) None assigned.

Recommended monitoring procedures

Not available.

Date of issue : 2004-11-12. Page: 2/5

Personal protective equipment

Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate Respiratory system

respirator when ventilation is inadequate.

Skin and body Lab coat. Hands Gloves Eyes Splash goggles

Physical and chemical properties

Physical state : Liquid. (Clear.) Color Colorless Odor Odorless Neutral

Boiling Point The lowest known value is 99.9°C (211.8°F) (Water).

Melting Point : May start to solidify at -0.1°C (31.8°F) based on data for: Water.

Flash point : Not applicable.

Explosive properties Risks of explosion of the product in presence of mechanical impact: Not applicable.

Risks of explosion of the product in presence of static discharge: Not applicable.

The highest known value is 2.3 kPa (17.5 mm Hg) (at 20°C) (Water). Vapor Pressure

Density : The only known value is 1 (Water = 1) (Water). **Solubility** : Miscible in water.

Vapor Density The highest known value is 0.62 (Air = 1) (Water)

Stability and reactivity **10.**

Stability : The product is stable at room temperature.

: The product is unstable at a temperature above 37°C. See Section 7 for storage conditions. Conditions to avoid

Reactive with oxidizing agents. Materials to avoid

Hazardous Decomposition : Not applicable.

Products

11. Toxicological information

Acute toxicity

Test **Species** Ingredient Name Result Route LD50 Guanidinium Hydrochloride 475 mg/kg Oral Rat LD50 571 mg/kg Oral Mouse

Skin irritation : Hazardous in case of skin contact (irritant). Eye irritation Hazardous in case of eye contact (irritant).

Sensitization : Non-sensitizer for skin.

Chronic toxicity : Repeated or prolonged exposure is not known to aggravate medical condition.

Not classified or listed by IARC, NTP, OSHA, EU and ACGIH. Carcinogenic Effects

Mutagenic Effects Reproduction toxicity Not available **Developmental and** Not available

Teratogenic Effects

To the best of our knowledge, the toxicological properties of this substance have not been investigated thoroughly.

Ecological information

Ecotoxicity Data

Ingredient Name Species Period Result

 Not available **Mobility** Persistence/degradability : Not available Bioaccumulative potential : Not available Soil/Water Partition Coefficient (Koc) : Not available

13. Disposal considerations

Methods of disposal Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Classification Not applicable

European Waste Catalogue (EWC)

: Not available.

Hazardous Waste : The classification of the product may meet the criteria for a hazardous waste

Date of issue : 2004-11-12. Page: 3/5

14. Transport information

International transport regulations

Regulatory Information	Classification	
DOT (United States)	Not regulated.	-
ADR/RID (Europe)	Not regulated.	-
ADN (Europe)	Not regulated.	-
Road Law (Japan)	Not regulated.	-
TDG (Canada)	Not regulated.	•
IATA-DGR	Not regulated.	
IMDG	Not regulated.	-

15. Regulatory information

HCS (United States)

Irritating material

U.S. Federal Regulations

: TSCA 8(b) inventory: All components listed.

SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312 hazardous chemicals: No products were found.

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.

Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 accidental release prevention: No products were found. Clean air act (CAA) 112 regulated flammable substances: No products were found. Clean air act (CAA) 112 regulated toxic substances: No products were found.

SARA 313

Form R - Reporting Requirements

: No products were found.

Supplier Notification : No products were found.

State Regulations

: No products were found.

California prop. 65: No products were found.

EU Regulations

Product Use

: Classification and labeling have been performed according to EU directives 67/548/EEC, 1999/45/EC

including amendments and the intended use.

- Industrial applications.

National regulations

Germany

Employment restrictions in accordance with § 15b of the

: Yes.

Hazardous Substance

Ordinance

Hazardous Incident : No.

Ordinance

Ordinance on Combustible : Class: Omitted

Liquids

Hazard class for water : 1

(GWK)

United Kingdom (UK)

VOC Content (Retail Use) : Not applicable.

VOC Content (Industrial

Use)

: Contains 0 wt% VOC.

: Not available. **Japan Control Laws**

WHMIS (Canada) : D-1B: Material causing immediate and serious toxic effects (TOXIC).

D-2B: Material causing other toxic effects (TOXIC).

Page: 4/5 Date of issue : 2004-11-12.

DSL/NDSL: All components listed.

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

16. Other information

US Label Requirements

: MAY BE HARMFUL IF SWALLOWED. MAY CAUSE EYE AND SKIN IRRITATION.

Hazardous Material Information System (U.S.A.)



National Fire Protection Association (U.S.A.)



Europe Label



Safety phrases : S2- Keep out of the reach of children.

S46- If swallowed, seek medical advice immediately and show this container or label.

Japan Label : Not available.

WHMIS Label



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Version : 1

Prepared by : Kemika XXI inc.

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Version 1 Page: 5/5

NORGEN BIOTEK & CORPORATION

Norgen Plasmid MiniPrep Kit

. Identification of the substance/preparation and of the company/undertaking

Product name : Norgen Plasmid MiniPrep Kit Manufacturer : Norgen Biotek Corp.

344 Merritt St.

St. Catharines, Ontario Canada L2T 1K6 Tel: (905) 227-8848 Fax: (905) 227-1061

Supplier: Norgen Biotek Corp.

344 Merritt St.

St. Catharines, Ontario Canada L2T 1K6 Tel: (905) 227-8848 Fax: (905) 227-1061

Synonyms : Not available. Emergency
Chemical Formula Not applicable telephone

Not applicable. **telephone** number : Canada: CANUTE

CANUTEC-1-613-996-6666

US:

CHEMTREC-1-800-424-9300

Material Uses Catalog#

P/N 13308;

Chemical product name

: Elution buffer.

: Not applicable.

2. Composition/information on ingredients

Substance/Preparation : Preparation.

Chemical name	CAS No.	%	EC Number	Classification
United States				
Germany				
United Kingdom (UK)				
Japan				
Canada				

This material is classified as non-hazardous under the United States OSHA regulation, the European DSD/DPD Directives and several countries specific requirements, in Japan and under the Canadian WHMIS regulation.

3. Hazards identification

Physical State and

: Liquid. (Clear.)

Appearance

Emergency Overview : No specific hazard.

USE WITH CARE.

Follow good industrial hygiene practice.

Routes of Entry : Dermal contact. Eye contact. Inhalation. Ingestion.

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Effects and symptoms

Skin Contact : Slightly hazardous in case of skin contact (irritant). Non-sensitizer for skin.

Eye Contact : Slightly hazardous in case of eye contact (irritant).

Aggravating conditions : Repeated or prolonged exposure is not known to aggravate medical condition.

Date of issue : 2004-11-12. Page: 1/5

First aid measures

First-Aid measures

Inhalation

4.

Ingestion

Skin Contact

: If inhaled, remove to fresh air. Get medical attention if symptoms appear.

: Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to

an unconscious person. If large quantities of this material are swallowed, call a physician immediately. : Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation

develops. Cold water may be used.

Eye Contact : Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of

water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.

Notes to physician : No specific antidote. Medical staff must contact Poison Information Center.

Protection of first-aiders : Not available

5. Fire-fighting measures

Extinguishing Media

Suitable : Use extinguishing media suitable for surrounding materials.

Unsuitable. : Not applicable. Unusual fire/explosion hazards : Not applicable. Hazardous thermal : Not applicable. decomposition products

Special fire-fighting procedures

: Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout

Protection of fire-fighters : Not applicable.

Accidental release measures

Personal precautions

: Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist before handling this product.

Environmental Precautions and Clean-up Methods

Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Note: See section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

Handling

: Avoid contact with eyes. Wear suitable protective clothing. If you feel unwell, seek medical attention and show the label when possible. Keep away from incompatibles such as oxidizing agents.

Storage

Keep container tightly closed. Keep container in a cool, well-ventilated area. Preferred storage temperature is 4°C. For long-term storage keep at -20°C.

Germany - Storage Code : Not available.

8. Exposure controls/personal protection

Engineering measures

: Good general ventilation should be sufficient to control airborne levels.

Occupational Exposure Limits

Hygiene measures

: Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of

Ingredient Name

United States

1) None assigned.

Germany

1) None assigned.

United Kingdom (UK)

1) None assigned.

Japan

1) None assigned.

Canada

1) None assigned.

Recommended monitoring procedures

Not available.

Personal protective equipment

Skin and body Lab coat. Eyes Safety glasses.

Date of issue : 2004-11-12. Page: 2/5

9. Physical and chemical properties

Physical state : Liquid. (Clear.) Color Colorless. Odor Odorless : 11 [Basic.] pH

Boiling Point The lowest known value is 99.9°C (211.8°F) (Water).

May start to solidify at -0.1°C (31.8°F) based on data for: Water. **Melting Point**

Flash point

Risks of explosion of the product in presence of mechanical impact: Not applicable. **Explosive properties**

Risks of explosion of the product in presence of static discharge: Not applicable.

Vapor Pressure The highest known value is 2.3 kPa (17.5 mm Hg) (at 20°C) (Water).

The only known value is 1 (Water = 1) (Water).

Solubility Miscible in water.

Vapor Density : The highest known value is 0.62 (Air = 1) (Water).

10. Stability and reactivity

: The product is stable at room temperature. Stability

The product is unstable at a temperature above 37°C. See Section 7 for storage conditions. Conditions to avoid

Materials to avoid Reactive with oxidizing agents.

Hazardous Decomposition

Products

: Not applicable.

Toxicological information

Acute toxicity

Test Ingredient Name Result **Route Species**

Skin irritation : Slightly hazardous in case of skin contact (irritant). Eye irritation : Slightly hazardous in case of eye contact (irritant).

Sensitization : Non-sensitizer for skin.

Chronic toxicity : Repeated or prolonged exposure is not known to aggravate medical condition.

Carcinogenic Effects : Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Mutagenic Effects : Not available. Reproduction toxicity : Not available : Not available **Developmental and**

Teratogenic Effects

To the best of our knowledge, the toxicological properties of this substance have not been investigated thoroughly.

12. Ecological information

Ecotoxicity Data

(EWC)

Ingredient Name Species Period Result

Mobility : Not available Persistence/degradability : Not available Bioaccumulative potential : Not available. Soil/Water Partition Coefficient (Koc) : Not available

Disposal considerations

Methods of disposal Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Classification Not applicable. **European Waste Catalogue** : Not available.

Hazardous Waste To present knowledge of the supplier, this product is not regarded as hazardous waste as defined by

EU Directive 91/689/EC

14. Transport information

International transport regulations

Date of issue : 2004-11-12. Page: 3/5

Norgen Plasmid MiniPrep Kit		
Regulatory Information	Classification	
DOT (United States)	Not regulated.	-
ADR/RID (Europe)	Not regulated.	-
ADN (Europe)	Not regulated.	_
Road Law (Japan)	Not regulated.	-
TDG (Canada)	Not regulated.	- -
IATA-DGR	Not regulated.	_
IMDG	Not regulated.	

15. Regulatory information

HCS (United States)

: Not controlled under the HCS (United States).

U.S. Federal Regulations

: TSCA 8(b) inventory: All components listed.

SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312 hazardous chemicals: No products were found.

SARA 311/312 MSDS distribution - chemical inventory - hazard identification. No products were found.

Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 accidental release prevention: No products were found. Clean air act (CAA) 112 regulated flammable substances: No products were found. Clean air act (CAA) 112 regulated toxic substances: No products were found.

SARA 313

Form R - Reporting

Supplier Notification

: No products were found.

Requirements

: No products were found.

State Regulations

California prop. 65: No products were found.

EU Regulations

Product Use

: Classification and labeling have been performed according to EU directives 67/548/EEC, 1999/45/EC

including amendments and the intended use. - Industrial applications.

National regulations

Germany

Ordinance on Combustible

Liquids

Hazard class for water

(GWK)

: 1

United Kingdom (UK)

VOC Content (Retail Use)

: Not applicable.

: Class: Omitted

VOC Content (Industrial

: Contains 0 wt% VOC.

Use)

Japan Control Laws : Not applicable.

WHMIS (Canada) : Not controlled under WHMIS (Canada).

DSL/NDSL: All components listed.

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

16. Other information

US Label Requirements : USE WITH CARE.

Date of issue : 2004-11-12. Page: 4/5

Hazardous Material Information System (U.S.A.)



National Fire Protection Association (U.S.A.)



Europe Label

Japan Label : Not applicable.

WHMIS Label :

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Prepared by : Kemika XXI inc.

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