SAFETY DATA SHEET

Elution Solution A



Section 1. Identification **GHS product identifier** Elution Solution A Other means of ÷. identification **Product code** 2 **Product type** : Liquid. Identified uses Supplier/Manufacturer : Norgen Biotek Corporation 3430 Schmon Parkway Thorold, ON Canada L2V 4Y6 Tel: (905) 227-8848 Fax: (905) 227-1061 Toll Free: 1-866-667-4362 E-mail: techsupport@norgenbiotek.com **Emergency telephone** :CHEMTREC U.S. & CANADA : 1-800-424-9300 number (with hours of operation)

Section 2. Hazards identification

Classification of the substance or mixture

: Not classified.

| GHS label elements | |
|---|---|
| Signal word | : No signal word. |
| Hazard statements | : No known significant effects or critical hazards. |
| Precautionary statements | |
| Prevention | : Not applicable. |
| Response | : Not applicable. |
| Storage | : Not applicable. |
| Disposal | : Not applicable. |
| Physical hazards not otherwise classified (PHNOC) | : None known. |
| Health hazards not otherwise classified | : None known. |



(HHNOC)



Section 3. Composition/information on ingredients

| Substance/mixture | |
|-------------------|--|
| Other means of | |
| identification | |

: Mixture ŝ,

CAS number/other identifiers

| CAS number | : Not applicable. | |
|--------------|-------------------|--|
| Product code | 1 | |

Product code

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

| Description of necessary first aid measures | | |
|---|-------------------|--|
| Eye contact | : Not applicable. | |
| Inhalation | : Not applicable. | |
| Skin contact | : Not applicable. | |
| Ingestion | : Not applicable. | |

Most important symptoms/effects, acute and delayed

| Potential acute health effect | S | | |
|--|------------------------------|---|--|
| Eye contact | 1 | No known significant effects or critical hazards. | |
| Inhalation | 1 | No known significant effects or critical hazards. | |
| Skin contact | 1 | No known significant effects or critical hazards. | |
| Ingestion | 1 | No known significant effects or critical hazards. | |
| Over-exposure signs/sympt | Over-exposure signs/symptoms | | |
| Eye contact | 1 | No known significant effects or critical hazards. | |
| Inhalation | 1 | No known significant effects or critical hazards. | |
| Skin contact | 1 | No known significant effects or critical hazards. | |
| Ingestion | ; | No known significant effects or critical hazards. | |
| Indication of immediate medical attention and special treatment needed, if necessary | | | |
| Notes to physician | 1 | Treat symptomatically. | |
| Specific treatments | 1 | No specific treatment. | |

: No action shall be taken involving any personal risk or without suitable training. **Protection of first-aiders**

See toxicological information (Section 11)

Section 5. Fire-fighting measures

| Extinguishing media | |
|--|---|
| Suitable extinguishing media | : Use an extinguishing agent suitable for the surrounding fire. |
| Unsuitable extinguishing media | : None known. |
| Specific hazards arising from the chemical | : No specific fire or explosion hazard. |





Section 5. Fire-fighting measures

| Hazardous thermal decomposition products | : No specific data. |
|--|--------------------------------------|
| Special protective actions for fire-fighters | : No special measures are required. |
| Special protective equipment for fire-fighters | : No special protection is required. |

Section 6. Accidental release measures

| Personal precautions, protect | ive equipment and emergency procedures |
|---|---|
| For non-emergency personnel | : Put on appropriate personal protective equipment. |
| For emergency responders | : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| Environmental precautions | : No special requirements. |
| Methods and materials for containment and cleaning up | |

Spill : Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container.

Section 7. Handling and storage

Precautions for safe handling

| Protective measures Advice on general occupational hygiene | | Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures. |
|--|---|---|
| Conditions for safe storage, including any incompatibilities | : | Store in accordance with local regulations. |

Section 8. Exposure controls/personal protection

| | Tel : +1-888-GHS-7769 (447-7769) / +1-450-GHS-7767 (447-7767) | 3/7 |
|---|---|-----|
| Eye/face protection | : Not required under normal conditions of use. | |
| Hygiene measures | : Follow good hygiene measure. | |
| Individual protection measu | ures | |
| Environmental exposure controls | : No special measures are required. | |
| Appropriate engineering controls | : No special measures are required. | |
| Occupational exposure lim No exposure limit value known. | <u>nits</u> | |
| <u>Canada</u> | | |
| Control parameters | | |

www.kmkregservices.com www.askdrluc.com www.ghssmart.com



Section 8. Exposure controls/personal protection

| Skin protection | |
|-------------------------------|--|
| Hand protection | : Not required under normal conditions of use. |
| Body protection | : Not required under normal conditions of use. |
| Other skin protection | : Not required under normal conditions of use. |
| Respiratory protection | : Not required under normal conditions of use. |

Section 9. Physical and chemical properties

| Liquid [Cloar] |
|--------------------|
| : Liquid. [Clear.] |
| : Colorless. |
| : Odorless. |
| : Not available. |
| : Not applicable. |
| : Not available. |
| : Not applicable. |
| : Not applicable. |
| : Not available. |
| : Not applicable. |
| : Not available. |
| : Not available. |
| : Not available. |
| : 0 % (w/w) |
| |

Section 10. Stability and reactivity

| Reactivity | : No specific test data related to reactivity available for this product or its ingredients. |
|------------------------------------|--|
| Chemical stability | : The product is stable. |
| Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur. |
| Conditions to avoid | : No specific data. |
| Incompatible materials | : None known. |





| Hazardous decomposition products | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
|--|--|
| Section 11. Toxico | logical information |
| Information on toxicological | effects |
| Acute toxicity | |
| There is no data available. | |
| Irritation/Corrosion | |
| There is no data available. | |
| Sensitization | |
| There is no data available. | |
| Carcinogenicity | |
| There is no data available. | |
| Specific target organ toxicit | <u>y (single exposure)</u> |
| There is no data available. | |
| Specific target organ toxicit | <u>y (repeated exposure)</u> |
| There is no data available. | |
| Aspiration hazard | |
| There is no data available. | |
| Information on the likely routes of exposure | : Dermal contact. Eye contact. Inhalation. Ingestion. |
| Potential acute health effects | <u> </u> |
| Eye contact | : No known significant effects or critical hazards. |
| Inhalation | : No known significant effects or critical hazards. |
| Skin contact | : No known significant effects or critical hazards. |
| Ingestion | : No known significant effects or critical hazards. |
| Symptoms related to the phy | vsical, chemical and toxicological characteristics |
| Eye contact | : No known significant effects or critical hazards. |
| Inhalation | : No known significant effects or critical hazards. |
| Skin contact | : No known significant effects or critical hazards. |
| Ingestion | : No known significant effects or critical hazards. |
| Delayed and immediate effect | cts and also chronic effects from short and long term exposure |
| <u>Short term exposure</u> | |
| Potential immediate effects | : No known significant effects or critical hazards. |
| Potential delayed effects | : No known significant effects or critical hazards. |
| Long term exposure | |
| Potential immediate effects | : No known significant effects or critical hazards. |
| Potential delayed effects | : No known significant effects or critical hazards. |
| Potential chronic health eff | ects |
| General | : No known significant effects or critical hazards. |



Section 11. Toxicological information

| Carcinogenicity | : No known significant effects or critical hazards. |
|------------------------------|---|
| Mutagenicity | : No known significant effects or critical hazards. |
| Teratogenicity | : No known significant effects or critical hazards. |
| Developmental effects | : No known significant effects or critical hazards. |
| Fertility effects | : No known significant effects or critical hazards. |

Numerical measures of toxicity

Acute toxicity estimates

There is no data available.

Section 12. Ecological information

Toxicity

There is no data available.

Persistence and degradability

There is no data available.

Bioaccumulative potential

There is no data available.

Mobility in soil

Soil/water partition coefficient (Koc)

: There is no data available.

Other adverse effects

: No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods

: The generation of waste should be avoided or minimized wherever possible. No specific disposal consideration.

Section 14. Transport information

| | TDG | IMDG | IATA |
|-------------------------------|----------------|----------------|----------------|
| UN number | Not regulated. | Not regulated. | Not regulated. |
| UN proper shipping name | - | - | - |
| Transport hazard class(es) | - | - | - |
| Packing group | - | - | - |
| Environmental hazards | | No. | No. |
| Additional information | - | - | - |





Section 14. Transport information

AERG : Not applicable.

| Special precautions for user | 4 | : Transport within user's premises: always transport in closed containers that are | | |
|------------------------------|---|---|--|--|
| | | upright and secure. Ensure that persons transporting the product know what to do in | | |
| | | the event of an accident or spillage. | | |
| | | | | |

Transport in bulk according : Not available. to Annex II of MARPOL 73/78 and the IBC Code

Section 15. Regulatory information

| Can | adian | lists |
|-----|-------|-------|
| | | |

| Canadian lists | |
|-----------------------|--|
| Canadian NPRI | : None of the components are listed. |
| CEPA Toxic substances | : None of the components are listed. |
| Canada inventory | : All components are listed or exempted. |
| International lists | |
| National inventory | |
| Australia | : All components are listed or exempted. |
| China | : All components are listed or exempted. |
| Europe | : All components are listed or exempted. |
| Japan | : All components are listed or exempted. |
| Malaysia | : Not determined. |
| New Zealand | : All components are listed or exempted. |
| Philippines | : All components are listed or exempted. |
| Republic of Korea | : All components are listed or exempted. |
| Taiwan | : Not determined. |
| | |

Section 16. Other information

| <u>History</u> | |
|------------------------|---|
| Date of issue | : |
| Date of previous issue | : · · · · · · · · · · · · · · · · · · · |
| Version | : |
| Prepared by | : KMK Regulatory Services 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.



Section 1. Identification

SAFETY DATA SHEET

Lysis Additive A

NORGEN BIOTEK CORP.

| GHS product identifier | Lysis Additive A |
|--|--|
| Other means of identification | : |
| Product code | : |
| Product type | : Liquid. |
| Identified uses | |
| Supplier/Manufacturer | : Norgen Biotek Corporation 3430 Schmon Parkway Thorold, ON Canada L2V 4Y6 Tel: (905) 227-8848 Fax: (905) 227-1061 Toll Free: 1-866-667-4362 E-mail: techsupport@norgenbiotek.com |
| Emergency telephone number (with hours of operation) | : CHEMTREC U.S. & CANADA : 1-800-424-9300 |
| | |

Section 2. Hazards identification

Classification of the substance or mixture

: Not classified.

| GHS label elements | |
|---|---|
| Signal word | : No signal word. |
| Hazard statements | : No known significant effects or critical hazards. |
| Precautionary statements | |
| Prevention | : Not applicable. |
| Response | : Not applicable. |
| Storage | : Not applicable. |
| Disposal | : Not applicable. |
| Physical hazards not otherwise classified (PHNOC) | : None known. |
| Health hazards not otherwise classified | : None known. |



(HHNOC)



Section 3. Composition/information on ingredients

| Substance/mixture | \$ | Mixture |
|-------------------|----|---------|
| Other means of | 1 | |
| identification | | |

CAS number/other identifiers

| CA | S n | umb | ber | : Not applicable. |
|----|-----|-----|-----|-------------------|
| _ | | | | |

Product code

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

| Description of necessary first aid measures | | | |
|---|-------------------|--|--|
| Eye contact | : Not applicable. | | |
| Inhalation | : Not applicable. | | |
| Skin contact | : Not applicable. | | |
| Ingestion | : Not applicable. | | |
| | | | |

Most important symptoms/effects, acute and delayed

| Potential acute health effects | | | | |
|--|----|---|--|--|
| Eye contact | 1 | No known significant effects or critical hazards. | | |
| Inhalation | 1 | No known significant effects or critical hazards. | | |
| Skin contact | 1 | No known significant effects or critical hazards. | | |
| Ingestion | 1 | No known significant effects or critical hazards. | | |
| Over-exposure signs/symp | om | <u>15</u> | | |
| Eye contact | 1 | No known significant effects or critical hazards. | | |
| Inhalation | 1 | No known significant effects or critical hazards. | | |
| Skin contact | 1 | No known significant effects or critical hazards. | | |
| Ingestion | : | No known significant effects or critical hazards. | | |
| | | | | |
| Indication of immediate medical attention and special treatment needed, if necessary | | | | |
| Notes to physician | 1 | Treat symptomatically. | | |
| Specific treatments | 1 | No specific treatment. | | |

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

| Extinguishing media | |
|---|---|
| Suitable extinguishing media | : Use an extinguishing agent suitable for the surrounding fire. |
| Unsuitable extinguishing media | : None known. |
| Specific hazards arising from the chemical | : No specific fire or explosion hazard. |





Lysis Additive A

Section 5. Fire-fighting measures

| Hazardous thermal decomposition products | : | No specific data. |
|--|---|------------------------------------|
| Special protective actions for fire-fighters | : | No special measures are required. |
| Special protective equipment for fire-fighters | : | No special protection is required. |

Section 6. Accidental release measures

| Personal precautions, protective equipment and emergency procedures | | | | |
|---|---|--|--|--|
| For non-emergency personnel | : Put on appropriate personal protective equipment. | | | |
| For emergency responders | : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". | | | |
| Environmental precautions | : No special requirements. | | | |
| Methods and materials for containment and cleaning up | | | | |
| | | | | |

Spill : Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container.

Section 7. Handling and storage

Precautions for safe handling

| Protective measures Advice on general occupational hygiene | | Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures. |
|--|---|---|
| Conditions for safe storage, including any incompatibilities | : | Store in accordance with local regulations. |

Section 8. Exposure controls/personal protection

| Control parameters | | |
|---|---|-----|
| <u>Canada</u> | | |
| Occupational exposure lim No exposure limit value known. | <u>nits</u> | |
| Appropriate engineering controls | : No special measures are required. | |
| Environmental exposure controls | : No special measures are required. | |
| Individual protection measure | ures | |
| Hygiene measures | : Follow good hygiene measure. | |
| Eye/face protection | : Not required under normal conditions of use. | |
| KMK Regulatory Services | Tel : +1-888-GHS-7769 (447-7769) / +1-450-GHS-7767 (447-7767) www.kmkregservices.com www.askdrluc.com www.ghssmart.com | 3/7 |



Section 8. Exposure controls/personal protection

| Skin protection | | | | | | |
|-------------------------------|--|--|--|--|--|--|
| Hand protection | : Not required under normal conditions of use. | | | | | |
| Body protection | : Not required under normal conditions of use. | | | | | |
| Other skin protection | : Not required under normal conditions of use. | | | | | |
| Respiratory protection | : Not required under normal conditions of use. | | | | | |
| | | | | | | |

Section 9. Physical and chemical properties

| Appearance | |
|--|--------------------|
| Physical state | : Liquid. [Clear.] |
| Color | : Colorless. |
| Odor | : Odorless. |
| Odor threshold | : Not available. |
| рН | : Not available. |
| Melting point | : Not available. |
| Boiling point | : Not available. |
| Flash point | : Not applicable. |
| Evaporation rate | : Not available. |
| Flammability (solid, gas) | : Not applicable. |
| Lower and upper explosive (flammable) limits | : Not applicable. |
| Vapor pressure | : Not available. |
| Vapor density | : Not available. |
| Relative density | : Not available. |
| Solubility | : Not available. |
| Partition coefficient: n- octanol/water | : Not available. |
| Auto-ignition temperature | : Not applicable. |
| Decomposition temperature | : Not available. |
| Viscosity | : Not available. |
| Volatility | : Not available. |
| VOC (w/w) | : 0 % (w/w) |
| VOC (w/w) | |

Section 10. Stability and reactivity

| Reactivity | : No specific test data related to reactivity available for this product or its ingredients. |
|------------------------------------|--|
| Chemical stability | : The product is stable. |
| Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur. |
| Conditions to avoid | : No specific data. |
| Incompatible materials | : None known. |





Section 10. Stability and reactivity

| Hazardous decomposition products | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
|--|--|
| Section 11. Toxico | ological information |
| Information on toxicological | effects |
| Acute toxicity | |
| There is no data available. | |
| Irritation/Corrosion | |
| There is no data available. | |
| Sensitization | |
| There is no data available. | |
| Carcinogenicity | |
| There is no data available. | |
| Specific target organ toxici | t <u>y (single exposure)</u> |
| There is no data available. | |
| Specific target organ toxici | t <u>y (repeated exposure)</u> |
| There is no data available. | |
| Aspiration hazard | |
| There is no data available. | |
| Information on the likely routes of exposure | : Dermal contact. Eye contact. Inhalation. Ingestion. |
| Potential acute health effect | t <u>s</u> |
| Eye contact | : No known significant effects or critical hazards. |
| Inhalation | : No known significant effects or critical hazards. |
| Skin contact | : No known significant effects or critical hazards. |
| Ingestion | : No known significant effects or critical hazards. |
| Symptoms related to the ph | ysical, chemical and toxicological characteristics |
| Eye contact | : No known significant effects or critical hazards. |
| Inhalation | : No known significant effects or critical hazards. |
| Skin contact | : No known significant effects or critical hazards. |
| Ingestion | : No known significant effects or critical hazards. |
| Delayed and immediate effe | cts and also chronic effects from short and long term exposure |
| Short term exposure | |
| Potential immediate effects | : No known significant effects or critical hazards. |
| Potential delayed effects | : No known significant effects or critical hazards. |
| Long term exposure | |
| Potential immediate effects | : No known significant effects or critical hazards. |
| Potential delayed effects | : No known significant effects or critical hazards. |
| Potential chronic health ef | <u>fects</u> |

: No known significant effects or critical hazards.

General



Lysis Additive A

Section 11. Toxicological information

| Carcinogenicity | : No known significant effects or critical hazards. |
|------------------------------|---|
| Mutagenicity | : No known significant effects or critical hazards. |
| Teratogenicity | : No known significant effects or critical hazards. |
| Developmental effects | : No known significant effects or critical hazards. |
| Fertility effects | : No known significant effects or critical hazards. |
| | |

Numerical measures of toxicity

Acute toxicity estimates

There is no data available.

Section 12. Ecological information

Toxicity

There is no data available.

Persistence and degradability

There is no data available.

Bioaccumulative potential

There is no data available.

Mobility in soil

Soil/water partition coefficient (Koc)

: There is no data available.

Other adverse effects

: No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods

: The generation of waste should be avoided or minimized wherever possible. No specific disposal consideration.

Section 14. Transport information

| | TDG | IMDG | IATA |
|-------------------------------|----------------|----------------|----------------|
| UN number | Not regulated. | Not regulated. | Not regulated. |
| UN proper shipping name | - | - | - |
| Transport hazard class(es) | - | - | - |
| Packing group | - | - | - |
| Environmental hazards | | No. | No. |
| Additional information | - | - | - |





Lysis Additive A

Section 14. Transport information

AERG : Not applicable.

| Special precautions for user | 4 | Transport within user's premises: always transport in closed containers that are |
|------------------------------|---|---|
| | | upright and secure. Ensure that persons transporting the product know what to do in |
| | | the event of an accident or spillage. |

Transport in bulk according : Not available. to Annex II of MARPOL 73/78 and the IBC Code

Section 15. Regulatory information

| Cana | diam | lists |
|------|-------------|--------------|
| Cana | <u>ulan</u> | <u>11515</u> |

| <u>Canadian lists</u> | |
|------------------------------|--|
| Canadian NPRI | : None of the components are listed. |
| CEPA Toxic substances | : None of the components are listed. |
| Canada inventory | : All components are listed or exempted. |
| International lists | |
| National inventory | |
| Australia | : All components are listed or exempted. |
| China | : All components are listed or exempted. |
| Europe | : All components are listed or exempted. |
| Japan | : All components are listed or exempted. |
| Malaysia | : Not determined. |
| New Zealand | : All components are listed or exempted. |
| Philippines | : All components are listed or exempted. |
| Republic of Korea | : All components are listed or exempted. |
| Taiwan | : Not determined. |
| | |

Section 16. Other information

| History | |
|------------------------|--------------------------------|
| Date of issue | : |
| Date of previous issue | 1 |
| Version | : |
| Prepared by | : KMK Regulatory Services 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.



SAFETY DATA SHEET

Slurry C2

NORGEN BIOTEK CORP.

| GHS product identifier | : Slurry C2 |
|--|--|
| Other means of identification | : |
| Product code | : |
| Product type | : Liquid. |
| Identified uses | |
| Supplier/Manufacturer | : Norgen Biotek Corporation 3430 Schmon Parkway Thorold, ON Canada L2V 4Y6 Tel: (905) 227-8848 Fax: (905) 227-1061 Toll Free: 1-866-667-4362 E-mail: techsupport@norgenbiotek.com |
| Emergency telephone number (with hours of operation) | : |

| Section 2. Hazards identification | | |
|--|---|--|
| Classification of the substance or mixture | : ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 AQUATIC HAZARD (LONG-TERM) - Category 3 | |
| GHS label elements Hazard pictograms | | |
| Signal word | : Warning | |
| Hazard statements | : H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled. H412 - Harmful to aquatic life with long lasting effects. | |
| Precautionary statements | | |

<u>recautionary statements</u>



Slurry C3

Section 2. Hazards identification

| Prevention | P280 - Wear protective gloves. Wear protective clothing. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment. P261 - Avoid breathing vapor. P270 - Do not eat, drink or smoke when using this product. P264 - Wash hands thoroughly after handling. |
|---|--|
| Response | P304 + P340 + P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. P301 + P312 + P330 - IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth. P302 + P352 + P312 + P363 - IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell. Wash contaminated clothing before reuse. |
| Storage | : Not applicable. |
| Disposal | P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| Physical hazards not otherwise classified (PHNOC) | : None known. |
| Health hazards not otherwise classified (HHNOC) | : None known. |
| | |

Section 3. Composition/information on ingredients

| Substance/mixture | : Mixture |
|----------------------------------|-----------|
| Other means of identification | ÷ |

CAS number/other identifiers

| CAS number | : Not applicable. | | |
|-------------------------|-------------------|----------|------------|
| Product code | : 90112 | | |
| Ingredient name | | % | CAS number |
| Guanidinium Thiocyanate | | 60 - 100 | 593-84-0 |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention if irritation occurs.





Section 4. First aid measures

| Inhalation | : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Get medical attention if symptoms occur. |
|--------------|--|
| Skin contact | : Wash with plenty of soap and water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Get medical attention if adverse health effects persist or are severe. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| Ingestion | : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur. |

Most important symptoms/effects, acute and delayed

| Potential acute he | ealth effects |
|-------------------------|---|
| Eye contact | : No known significant effects or critical hazards. |
| Inhalation | : No known significant effects or critical hazards. |
| Skin contact | : Harmful in contact with skin. |
| Ingestion | : Harmful if swallowed. |
| <u>Over-exposure si</u> | gns/symptoms |
| Eye contact | : No known significant effects or critical hazards. |
| Inhalation | : No known significant effects or critical hazards. |
| Skin contact | : No known significant effects or critical hazards. |
| Ingestion | : No known significant effects or critical hazards. |

| Indication of immediate m | edical attention and special treatment needed, if necessary | |
|---------------------------|--|----|
| Notos to physician | In ages of inhelation of decomposition products in a fire, sympton | ~~ |

| Notes to physician | : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
|----------------------------|--|
| Specific treatments | : No specific treatment. |
| Protection of first-aiders | : It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. |

See toxicological information (Section 11)

Section 5. Fire-fighting measures

| Extinguishing media | |
|--|---|
| Suitable extinguishing media | : Use an extinguishing agent suitable for the surrounding fire. |
| Unsuitable extinguishing media | : None known. |
| Specific hazards arising from the chemical | : This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. |



Slurry C3

Section 5. Fire-fighting measures

| Hazardous thermal decomposition products | : Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides Sulfur oxides |
|--|---|
| Special protective actions for fire-fighters | : No special measures are required. |
| Special protective equipment for fire-fighters | : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| | |

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

| For non-emergency personnel | : | Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
|---|---|---|
| For emergency responders | : | If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| Environmental precautions | : | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. |
| Realized a second second state for the second | | a terre a di se di setta se su |

Methods and materials for containment and cleaning up

Spill: Stop leak if without risk. Move containers from spill area. Approach release from
upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash
spillages into an effluent treatment plant or proceed as follows. Contain and collect
spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or
diatomaceous earth and place in container for disposal according to local regulations
(see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated
absorbent material may pose the same hazard as the spilled product. Note: see Section
1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

| Protective measures | : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. |
|--|---|
| Advice on general occupational hygiene | : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures. Remove contaminated clothing and protective equipment before entering eating areas. |



Control parameters

Canada

Section 7. Handling and storage

| including any | : | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials |
|-------------------|---|---|
| incompatibilities | | (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. |

Section 8. Exposure controls/personal protection

| Occupational exposure lin No exposure limit value known. | <u>nits</u> | |
|---|-------------|---|
| Appropriate engineering controls | : | Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. |
| Environmental exposure controls | : | Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. |
| Individual protection meas | <u>ures</u> | |
| Hygiene measures | : | Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. |
| Eye/face protection | : | Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. |
| Skin protection | | |
| Hand protection | : | Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. |
| Body protection | : | Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. |
| Other skin protection | : | Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. |
| Respiratory protection | : | Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. |





Section 9. Physical and chemical properties

Appearance

| Appearance | |
|--|----------------------|
| Physical state | : Liquid. [Clear.] |
| Color | : Colorless. |
| Odor | : Not available. |
| Odor threshold | : Not available. |
| рН | : 7 |
| Melting point | : Not available. |
| Boiling point | : Not available. |
| Flash point | : Not applicable. |
| Evaporation rate | : Not available. |
| Flammability (solid, gas) | : Not available. |
| Lower and upper explosive (flammable) limits | : Not available. |
| Vapor pressure | : Not available. |
| Vapor density | : Not available. |
| Relative density | : Not available. |
| Solubility | : Miscible in water. |
| Partition coefficient: n- octanol/water | : Not available. |
| Auto-ignition temperature | : Not available. |
| Decomposition temperature | : Not available. |
| Viscosity | : Not available. |
| Volatility | : Not available. |
| VOC (w/w) | : 0 % (w/w) |
| | |

Section 10. Stability and reactivity

| Reactivity | : No specific test data related to reactivity available for this product or its ingredients. |
|------------------------------------|--|
| Chemical stability | : The product is stable. |
| Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur. |
| Conditions to avoid | : No specific data. |
| Incompatible materials | : Reactive or incompatible with the following materials: oxidizing materials. |
| Hazardous decomposition products | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |





Section 11. Toxicological information

Information on toxicological effects

| Acute toxicity | | <u>.</u> | | |
|--------------------------------|-----------------------------------|---------------------|------------------------|----------|
| Product/ingredient name | Result | Species | Dose | Exposure |
| Guanidinium Thiocyanate | LD50 Oral | Rat | 593 mg/kg | - |
| Irritation/Corrosion | | • | | |
| There is no data available. | | | | |
| <u>Sensitization</u> | | | | |
| There is no data available. | | | | |
| Carcinogenicity | | | | |
| There is no data available. | | | | |
| Specific target organ toxicit | <u>y (single exposure)</u> | | | |
| There is no data available. | | | | |
| Specific target organ toxicit | <u>y (repeated exposure)</u> | | | |
| There is no data available. | | | | |
| Aspiration hazard | | | | |
| There is no data available. | | | | |
| Information on the likely | : Dermal contact. Eye contact | . Inhalation. Ing | estion. | |
| routes of exposure | | - | | |
| Potential acute health effects | <u>s</u> | | | |
| Eye contact | : No known significant effects | or critical hazards | S. | |
| Inhalation | : No known significant effects | or critical hazards | S. | |
| Skin contact | : Harmful in contact with skin. | | | |
| Ingestion | : Harmful if swallowed. | | | |
| Symptoms related to the phy | vsical, chemical and toxicologic | al characteristic | <u>cs</u> | |
| Eye contact | : No known significant effects | or critical hazards | S. | |
| Inhalation | : No known significant effects | or critical hazards | S. | |
| Skin contact | : No known significant effects | or critical hazards | S. | |
| Ingestion | : No known significant effects | or critical hazards | S. | |
| Delayed and immediate effect | cts and also chronic effects from | n short and lone | <u>g term exposure</u> | |
| Short term exposure | | | | |
| Potential immediate | : No known significant effects | or critical hazards | S. | |
| effects | | | | |
| Potential delayed effects | : No known significant effects | or critical hazards | S. | |
| Long term exposure | | | | |
| Potential immediate effects | : No known significant effects | or critical hazards | 5. | |
| Potential delayed effects | : No known significant effects | or critical hazards | S. | |
| Potential chronic health eff | ects | | | |
| General | : No known significant effects | or critical hazards | S. | |
| Carcinogenicity | : No known significant effects | or critical hazards | S. | |
| Mutagenicity | : No known significant effects | or critical hazards | S. | |
| | | | | |



Section 11. Toxicological information

| Teratogenicity | |
|-----------------------|--|
| Developmental effects | |
| Fertility effects | |

- : No known significant effects or critical hazards.
- No known significant effects or critical hazards.
 - : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

| Route | ATE value |
|-------|---|
| | 836.4 mg/kg 1551.5 mg/kg 15.51 mg/L |

Section 12. Ecological information

Toxicity

| Product/ingredient name | Result | Species | Exposure |
|---------------------------------------|--|---------|----------------------|
| , , , , , , , , , , , , , , , , , , , | Acute EC50 42.4 mg/L Acute LC50 89.1 mg/L | | 48 hours 96 hours |

Persistence and degradability

There is no data available.

Bioaccumulative potential

There is no data available.

Mobility in soil

Soil/water partition : There is no data available. coefficient (Koc)

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.





Section 14. Transport information

| | TDG | IMDG | ΙΑΤΑ |
|-------------------------------|----------------|----------------|----------------|
| UN number | Not regulated. | Not regulated. | Not regulated. |
| UN proper shipping name | - | - | - |
| Transport hazard class(es) | - | - | - |
| Packing group | - | - | - |
| Environmental hazards | No. | No. | No. |
| Additional information | - | - | - |

AERG : Not applicable.

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according : Not available. to Annex II of MARPOL 73/78 and the IBC Code

Section 15. Regulatory information

| <u>Canadian lists</u> | |
|-----------------------|--|
| Canadian NPRI | : None of the components are listed. |
| CEPA Toxic substances | : None of the components are listed. |
| Canada inventory | : All components are listed or exempted. |
| International lists | |
| National inventory | |
| Australia | : All components are listed or exempted. |
| China | : All components are listed or exempted. |
| Europe | : All components are listed or exempted. |
| Japan | : Not determined. |
| Malaysia | : Not determined. |
| New Zealand | : All components are listed or exempted. |
| Philippines | : All components are listed or exempted. |
| Republic of Korea | : Not determined. |
| Taiwan | : Not determined. |
| | |





Section 16. Other information

<u>History</u>

| Date of issue | : 04/30/2015 |
|---------------|--------------------------------|
| Version | : 1 |
| Prepared by | : KMK Regulatory Services 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.



SAFETY DATA SHEET

Wash Solution A



Section 1. Identification **GHS product identifier** Wash Solution A Other means of ÷. identification **Product code** 2 **Product type** : Liquid. Identified uses : Norgen Biotek Corporation Supplier/Manufacturer 3430 Schmon Parkway Thorold, ON Canada L2V 4Y6 Tel: (905) 227-8848 Fax: (905) 227-1061 Toll Free: 1-866-667-4362 E-mail: techsupport@norgenbiotek.com **Emergency telephone** : CHEMTREC U.S. & CANADA : 1-800-424-9300 number (with hours of operation)

Section 2. Hazards identification

Classification of the substance or mixture

: Not classified.

| GHS label elements | |
|---|--|
| Signal word | : No signal word. |
| Hazard statements | : No known significant effects or critical hazards |
| Precautionary statements | |
| Prevention | : Not applicable. |
| Response | : Not applicable. |
| Storage | : Not applicable. |
| Disposal | : Not applicable. |
| Physical hazards not otherwise classified (PHNOC) | : None known. |
| Health hazards not otherwise classified | : None known. |



(HHNOC)



Section 3. Composition/information on ingredients

| Substance/mixture | |
|-------------------|--|
| Other means of | |
| identification | |

: Mixture ŝ,

CAS number/other identifiers

| CAS number | : Not applicable. |
|--------------|-------------------|
| Product code | 1 |

Product code

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

| Description of necessary | first aid measures |
|--------------------------|--------------------|
| Eye contact | : Not applicable. |
| Inhalation | : Not applicable. |
| Skin contact | : Not applicable. |
| Ingestion | : Not applicable. |

Most important symptoms/effects, acute and delayed

| Potential acute health effect | S | |
|--|----|---|
| Eye contact | 1 | No known significant effects or critical hazards. |
| Inhalation | 1 | No known significant effects or critical hazards. |
| Skin contact | 1 | No known significant effects or critical hazards. |
| Ingestion | 1 | No known significant effects or critical hazards. |
| Over-exposure signs/sympt | om | <u>15</u> |
| Eye contact | 1 | No known significant effects or critical hazards. |
| Inhalation | 1 | No known significant effects or critical hazards. |
| Skin contact | 1 | No known significant effects or critical hazards. |
| Ingestion | ; | No known significant effects or critical hazards. |
| Indication of immediate medical attention and special treatment needed, if necessary | | |
| Notes to physician | 1 | Treat symptomatically. |
| Specific treatments | 1 | No specific treatment. |

: No action shall be taken involving any personal risk or without suitable training. **Protection of first-aiders**

See toxicological information (Section 11)

Section 5. Fire-fighting measures

| Extinguishing media | |
|--|---|
| Suitable extinguishing media | : Use an extinguishing agent suitable for the surrounding fire. |
| Unsuitable extinguishing media | : None known. |
| Specific hazards arising from the chemical | : No specific fire or explosion hazard. |





Section 5. Fire-fighting measures

| Hazardous thermal decomposition products | : No specific data. |
|--|--------------------------------------|
| Special protective actions for fire-fighters | : No special measures are required. |
| Special protective equipment for fire-fighters | : No special protection is required. |

Section 6. Accidental release measures

| Personal precautions, protective equipment and emergency procedures | | |
|---|---|--|
| For non-emergency personnel | : Put on appropriate personal protective equipment. | |
| For emergency responders | : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". | |
| Environmental precautions | : No special requirements. | |
| Methods and materials for containment and cleaning up | | |

Spill : Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container.

Section 7. Handling and storage

Precautions for safe handling

KK Regulatory Services

| Protective measures Advice on general occupational hygiene | | Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures. |
|--|---|---|
| Conditions for safe storage, including any incompatibilities | : | Store in accordance with local regulations. |

Section 8. Exposure controls/personal protection

| Control parameters | | |
|--|---|-----|
| <u>Canada</u> | | |
| Occupational exposure lime No exposure limit value known. | nits | |
| Appropriate engineering controls | : No special measures are required. | |
| Environmental exposure controls | : No special measures are required. | |
| Individual protection measure | ures | |
| Hygiene measures | : Follow good hygiene measure. | |
| Eye/face protection | : Not required under normal conditions of use. | |
| KMK Regulatory Services | Tel : +1-888-GHS-7769 (447-7769) / +1-450-GHS-7767 (447-7767) www.kmkregservices.com www.askdrluc.com www.ghssmart.com | 3/7 |



Section 8. Exposure controls/personal protection

| Skin protection | |
|-------------------------------|--|
| Hand protection | : Not required under normal conditions of use. |
| Body protection | : Not required under normal conditions of use. |
| Other skin protection | : Not required under normal conditions of use. |
| Respiratory protection | : Not required under normal conditions of use. |

Section 9. Physical and chemical properties

| Liquid [Cloar] |
|--------------------|
| : Liquid. [Clear.] |
| : Colorless. |
| : Odorless. |
| : Not available. |
| : Not applicable. |
| : Not available. |
| : Not applicable. |
| : Not applicable. |
| : Not available. |
| : Not applicable. |
| : Not available. |
| : Not available. |
| : Not available. |
| : 0 % (w/w) |
| |

Section 10. Stability and reactivity

| Reactivity | : No specific test data related to reactivity available for this product or its ingredients. |
|------------------------------------|--|
| Chemical stability | : The product is stable. |
| Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur. |
| Conditions to avoid | : No specific data. |
| Incompatible materials | : None known. |





| Hazardous decomposition products | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
|--|--|
| Section 11. Toxico | logical information |
| Information on toxicological | effects |
| Acute toxicity | |
| There is no data available. | |
| Irritation/Corrosion | |
| There is no data available. | |
| Sensitization | |
| There is no data available. | |
| Carcinogenicity | |
| There is no data available. | |
| Specific target organ toxicit | <u>y (single exposure)</u> |
| There is no data available. | |
| Specific target organ toxicit | <u>y (repeated exposure)</u> |
| There is no data available. | |
| Aspiration hazard | |
| There is no data available. | |
| Information on the likely routes of exposure | : Dermal contact. Eye contact. Inhalation. Ingestion. |
| Potential acute health effects | <u> </u> |
| Eye contact | : No known significant effects or critical hazards. |
| Inhalation | : No known significant effects or critical hazards. |
| Skin contact | : No known significant effects or critical hazards. |
| Ingestion | : No known significant effects or critical hazards. |
| Symptoms related to the phy | vsical, chemical and toxicological characteristics |
| Eye contact | : No known significant effects or critical hazards. |
| Inhalation | : No known significant effects or critical hazards. |
| Skin contact | : No known significant effects or critical hazards. |
| Ingestion | : No known significant effects or critical hazards. |
| Delayed and immediate effect | cts and also chronic effects from short and long term exposure |
| <u>Short term exposure</u> | |
| Potential immediate effects | : No known significant effects or critical hazards. |
| Potential delayed effects | : No known significant effects or critical hazards. |
| Long term exposure | |
| Potential immediate effects | : No known significant effects or critical hazards. |
| Potential delayed effects | : No known significant effects or critical hazards. |
| Potential chronic health eff | ects |
| General | : No known significant effects or critical hazards. |



Section 11. Toxicological information

| Carcinogenicity | : No known significant effects or critical hazards. |
|------------------------------|---|
| Mutagenicity | : No known significant effects or critical hazards. |
| Teratogenicity | : No known significant effects or critical hazards. |
| Developmental effects | : No known significant effects or critical hazards. |
| Fertility effects | : No known significant effects or critical hazards. |

Numerical measures of toxicity

Acute toxicity estimates

There is no data available.

Section 12. Ecological information

Toxicity

There is no data available.

Persistence and degradability

There is no data available.

Bioaccumulative potential

There is no data available.

Mobility in soil

Soil/water partition coefficient (Koc)

: There is no data available.

Other adverse effects

: No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods

: The generation of waste should be avoided or minimized wherever possible. No specific disposal consideration.

Section 14. Transport information

| | TDG | IMDG | IATA |
|-------------------------------|----------------|----------------|----------------|
| UN number | Not regulated. | Not regulated. | Not regulated. |
| UN proper shipping name | - | - | - |
| Transport hazard class(es) | - | - | - |
| Packing group | - | - | - |
| Environmental hazards | | No. | No. |
| Additional information | - | - | - |





Section 14. Transport information

AERG : Not applicable.

| Special precautions for user | 4 | Transport within user's premises: always transport in closed containers that are |
|------------------------------|---|---|
| | | upright and secure. Ensure that persons transporting the product know what to do in |
| | | the event of an accident or spillage. |
| | | |

Transport in bulk according : Not available. to Annex II of MARPOL 73/78 and the IBC Code

Section 15. Regulatory information

| Can | adian | lists |
|-----|-------|-------|
| | | |

| Canadian lists | |
|-----------------------|--|
| Canadian NPRI | : None of the components are listed. |
| CEPA Toxic substances | : None of the components are listed. |
| Canada inventory | : All components are listed or exempted. |
| International lists | |
| National inventory | |
| Australia | : All components are listed or exempted. |
| China | : All components are listed or exempted. |
| Europe | : All components are listed or exempted. |
| Japan | : All components are listed or exempted. |
| Malaysia | : Not determined. |
| New Zealand | : All components are listed or exempted. |
| Philippines | : All components are listed or exempted. |
| Republic of Korea | : All components are listed or exempted. |
| Taiwan | : Not determined. |
| | |

Section 16. Other information

| History | |
|------------------------|---|
| Date of issue | : |
| Date of previous issue | : · · · · · · · · · · · · · · · · · · · |
| Version | : |
| Prepared by | : KMK Regulatory Services Inc. |

Notice to reader

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