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DNA GENOTEK

SAFETY DATA SHEET

| Section 1. Identification | |
|---|---|
| GHS product identifier | : |
| Other means of identification | : |
| Product type | : Liquid. |
| Relevant identified uses o | f the substance or mixture and uses advised against |
| Identified uses | : |
| Supplier/Manufacturer | : |
| | |
| | |
| Emergency telephone number (with hours of | : |

operation)

Section 2. Hazards identification

| OSHA/HCS status | : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). |
|--|---|
| Classification of the substance or mixture | : FLAMMABLE LIQUIDS - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A |
| GHS label elements | |
| Hazard pictograms | |
| Signal word | : Danger |
| Hazard statements | : H225 - Highly flammable liquid and vapor. H319 - Causes serious eye irritation. |

Precautionary statements

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Section 2. Hazards identification

| Prevention | P280 - Wear protective gloves. Wear eye or face protection. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P241 - Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. P242 - Use only non-sparking tools. P243 - Take precautionary measures against static discharge. P233 - Keep container tightly closed. P264 - Wash hands thoroughly after handling. |
|-------------------------------------|---|
| Response | P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention. |
| Storage | : P403 - Store in a well-ventilated place. P235 - Keep cool. |
| Disposal | : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| Hazards not otherwise classified | : None known. |

Section 3. Composition/information on ingredients

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

: Mixture

2

| Ingredient name | % | CAS number |
|-----------------|---------|------------|
| Ethanol | 80 - 95 | 64-17-5 |

United States: The exact percentage (concentration) in the composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

Canada: The exact percentage (concentration) in the composition has been withheld as a trade secret in accordance with the amended HPR as of April 2018.

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.

 Inhalation

 Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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| Section 4. First | aid measures |
|-------------------------------|---|
| Skin contact | : Flush contaminated skin with plenty of water. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| Ingestion | : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| Most important symptom | s/effects, acute and delayed |
| Potential acute health e | ffects |
| Eye contact | : Causes serious eye irritation. |
| 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. |
| <u>Over-exposure signs/sy</u> | <u>mptoms</u> |
| Eye contact | : Adverse symptoms may include the following: pain or irritation watering redness |
| 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 n | nedical attention and special treatment needed, if necessary |
| Notes to physician | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| Specific treatments | : No specific treatment. |

See toxicological information (Section 11)

Protection of first-aiders

Section 5. Fire-fighting measures

| Extinguishing media | |
|--|--|
| Suitable extinguishing media | : Use dry chemical, CO ₂ , water spray (fog) or foam. |
| Unsuitable extinguishing media | : Do not use water jet or water-based fire extinguishers. |
| Specific hazards arising from the chemical | : Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. |

: No action shall be taken involving any personal risk or without suitable training. It may

be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

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Section 5. Fire-fighting measures

| Hazardous thermal decomposition products | : Decomposition products may include the following materials: carbon dioxide carbon monoxide |
|--|--|
| Special protective actions for fire-fighters | : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. |
| 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 | : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. 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). |
| Methods and materials for co | ntainment and cleaning up |
| Spill | : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and |
|---------------------|--|
| | can be hazardous. Do not reuse container. |

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Section 7. Handling and storage

| 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. |
|--|---|
| Conditions for safe storage, including any incompatibilities | : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. 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. See Section 10 for incompatible materials before handling or use. |

Section 8. Exposure controls/personal protection

Control parameters

United States

Occupational exposure limits

| Ingredient name | Exposure limits | |
|-----------------|--|--|
| Ethanol | ACGIH TLV (United States, 3/2018). STEL: 1000 ppm 15 minutes. NIOSH REL (United States, 10/2016). TWA: 1000 ppm 10 hours. TWA: 1900 mg/m ³ 10 hours. OSHA PEL (United States, 5/2018). TWA: 1000 ppm 8 hours. TWA: 1900 mg/m ³ 8 hours. | |

<u>Canada</u>

Occupational exposure limits

| Ingredient name | Exposure limits | | |
|-----------------|--|--|--|
| Ethanol | CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 1000 ppm 8 hours. 8 hrs OEL: 1880 mg/m ³ 8 hours. CA British Columbia Provincial (Canada, 7/2018). STEL: 1000 ppm 15 minutes. CA Ontario Provincial (Canada, 1/2018). STEL: 1000 ppm 15 minutes. CA Quebec Provincial (Canada, 1/2014). TWAEV: 1000 ppm 8 hours. TWAEV: 1880 mg/m ³ 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 1250 ppm 15 minutes. TWA: 1000 ppm 8 hours. | | |

| 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. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment. |
|----------------------------------|---|
| 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 measures

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Section 8. Exposure controls/personal protection

| • | |
|------------------------|--|
| 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: chemical splash goggles. |
| 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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. |
| 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. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. |
| 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 | : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. |

Section 9. Physical and chemical properties

| : Liquid. [Clear.] |
|--------------------------------|
| : Colorless. |
| : Not available. |
| : Closed cup: >9.7°C (>49.5°F) |
| : Not available. |
| |

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Section 9. Physical and chemical properties

| Partition coefficient: n- | : | Not available. |
|---------------------------|---|----------------|
| octanol/water | | |
| Auto-ignition temperature | : | Not available. |
| Decomposition temperature | : | Not available. |
| Viscosity | : | Not available. |
| Flow time (ISO 2431) | : | Not available. |

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 | : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. |
| 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

| Product/ingredient name | Result | Species | Dose | Exposure |
|-------------------------|-----------------------|---------|--------------|----------|
| Ethanol | LC50 Inhalation Vapor | Rat | 124700 mg/m³ | 4 hours |
| | LD50 Oral | Rat | 7 g/kg | - |

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|-------------------------|--------------------------|---------|-------|---------------------|-------------|
| Ethanol | Eyes - Mild irritant | Rabbit | - | 24 hours 500 mg | - |
| | Eyes - Moderate irritant | Rabbit | - | 0.066666667 minutes | - |
| | | | | 100 mg | |
| | Eyes - Moderate irritant | Rabbit | - | 100 µl | - |
| | Eyes - Severe irritant | Rabbit | - | 500 mg | - |
| | Skin - Mild irritant | Rabbit | - | 400 mg | - |

Sensitization

There is no data available.

Mutagenicity

There is no data available.

Carcinogenicity

There is no data available.

Reproductive toxicity

There is no data available.

Teratogenicity

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| Section 11. Toxico | blo | ogical information |
| There is no data available. | | |
| Specific target organ toxicit | у (| <u>single exposure)</u> |
| There is no data available. | | |
| Specific target organ toxicit | у (| repeated exposure) |
| 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 | 5 | |
| Eye contact | : | Causes serious eye irritation. |
| 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 | sic | al, chemical and toxicological characteristics |
| Eye contact | | Adverse symptoms may include the following: pain or irritation watering redness |
| 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. |
| Delaved and immediate effec | ts | 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 effe | ect | <u>s</u> |
| General | : | No known significant effects or critical hazards. |
| 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.

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Section 12. Ecological information

Toxicity

| Product/ingredient name | Result | Species | Exposure |
|-------------------------|---------------------------------------|------------------------------------|----------|
| Ethanol | Acute EC50 1074 mg/L Fresh water | Crustaceans - Cypris subglobosa | 48 hours |
| | Acute LC50 5680 mg/L Fresh water | Daphnia - Daphnia magna - Neonate | 48 hours |
| | Acute LC50 11000000 µg/L Marine water | Fish - Alburnus alburnus | 96 hours |
| | Chronic NOEC 4.995 mg/L Marine water | Algae - Ulva pertusa | 96 hours |
| | Chronic NOEC 100 ul/L Fresh water | Daphnia - Daphnia magna - Neonate | 21 days |
| | Chronic NOEC 0.375 ul/L Fresh water | Fish - Gambusia holbrooki - Larvae | 12 weeks |

Persistence and degradability

There is no data available.

Bioaccumulative potential

| Product/ingredient name | LogPow | BCF | Potential |
|-------------------------|--------|-----|-----------|
| Ethanol | -0.35 | - | low |

<u>Mobility in soil</u>

| Soil/water partition | : Not 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. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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| | _ | | |
|---------|-----|-----------|-------------|
| Section | 14. | Transport | information |

| | DOT Classification | TDG Classification | IMDG | IATA |
|-------------------------------|--------------------|--------------------|---------|---------|
| UN number | UN1170 | UN1170 | UN1170 | UN1170 |
| UN proper shipping name | ETHANOL | ETHANOL | ETHANOL | ETHANOL |
| Transport hazard class(es) | 3 | 3 | 3 | 3 |
| Packing group | П | 11 | 11 | Ш |
| Environmental hazards | No. | No. | No. | No. |

Additional information TDG Classification

IMDG

AERG : 127

- : Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.18-2.19 (Class 3).
- : Emergency schedules F-E, S-D

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.

Section 15. Regulatory information

| U.S. Federal regulations : United States inventory (TSCA 8b): All components are listed or exempted. Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed Clean Air Act Section 602 Class I Substances : Not listed Clean Air Act Section 602 Class I Substances : Not listed DEA List I Chemicals (Precursor Chemicals) : Not listed DEA List II Chemicals (Essential Chemicals) : Not listed SARA 302/304 No products were found. : Not applicable. SARA 304 RQ : Not applicable. SARA 311/312 Classification : FLAMMABLE LIQUIDS - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A | | |
|--|--------------------------|---|
| (b) Hazardous Air Pollutants (HAPs)Not listedClean Air Act Section 602 Class I Substances: Not listedClean Air Act Section 602 Class II Substances: Not listedDEA List I Chemicals (Precursor Chemicals): Not listedDEA List II Chemicals (Essential Chemicals): Not listedSARA 302/304 No products were found.: Not applicable.SARA 304 RQ SARA 311/312 Classification: FLAMMABLE LIQUIDS - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A | U.S. Federal regulations | : United States inventory (TSCA 8b): All components are listed or exempted. |
| Class I Substances INMANA Clean Air Act Section 602 : Not listed Class II Substances : Not listed DEA List I Chemicals : Not listed (Precursor Chemicals) : Not listed DEA List II Chemicals : Not listed SARA 302/304 : Not listed No products were found. : Not applicable. SARA 304 RQ : Not applicable. SARA 311/312 : FLAMMABLE LIQUIDS - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A | (b) Hazardous Air | : Not listed |
| Class II Substances | | : Not listed |
| (Precursor Chemicals) Image: Second Seco | | : Not listed |
| (Essential Chemicals) SARA 302/304 No products were found. SARA 304 RQ : Not applicable. SARA 311/312 Classification : FLAMMABLE LIQUIDS - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A | | : Not listed |
| No products were found. SARA 304 RQ : Not applicable. SARA 311/312 : FLAMMABLE LIQUIDS - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A | | : Not listed |
| SARA 304 RQ : Not applicable. SARA 311/312 | SARA 302/304 | |
| SARA 311/312 Classification : FLAMMABLE LIQUIDS - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A | No products were found. | |
| Classification : FLAMMABLE LIQUIDS - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A | SARA 304 RQ | : Not applicable. |
| SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A | <u>SARA 311/312</u> | |
| Composition/information on ingredients | Classification | |
| | Composition/information | on ingredients |

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Section 15. Regulatory information

| Name | Classification |
|------|--|
| | FLAMMABLE LIQUIDS - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A |

SARA 313

There is no data available.

State regulations

| Massachusetts | : The following components are listed: Ethanol |
|--------------------------------|---|
| New York | : None of the components are listed. |
| New Jersey | : The following components are listed: Ethanol |
| Pennsylvania | : The following components are listed: Ethanol |
| <u>California Prop. 65</u> | |
| This product does not r | equire a Safe Harbor warning under California Prop. 65. |
| Canadian lists | |
| Canada inventory (DSL NDSL) | : All components are listed or exempted. |

| Canadian NPRI | : | The following components are listed: Ethanol |
|---------------|---|--|
| - | | |

CEPA Toxic substances : None of the components are listed.

Section 16. Other information

Procedure used to derive the classification

| Classification | Justification |
|----------------|---|
| | On basis of test data Calculation method |

| <u>History</u> | |
|--------------------------|---|
| Date of issue mm/dd/yyyy | : 11/30/2019 |
| Date of previous issue | : Not applicable |
| Version | : 1 |
| Internal code | : 144-114 |
| Prepared by | : KMK Regulatory Services Inc. |
| Key to abbreviations | : ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations |

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.