SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Product identifier used on the label

: Denatured Alcohol (2A or Comsol 2A2)

Product Code(s)

: Not available.

Recommended use of the chemical and restrictions on use

: Industrial solvent.
Use pattern: Professional Use Only
Restriction on use: None known

Chemical family

: Mixture

Name, address, and telephone number of the supplier:

Comet Chemical Company Ltd.
3463 Thomas Street
Innisfill, ON, Canada
L9S 3W4

705-436-5580

Supplier's Telephone #

: 705-436-5580

24 Hr. Emergency Tel #

: TERRRAPURE ENVIRONMENTAL : 800-567-7455

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Clear colourless liquid. Alcohol odour.

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Hazard classification

Flammable Liquids - Category 2
Acute toxicity, oral - Category 4
Serious eye damage/eye irritation - Category 2A
Reproductive Toxicity - Category 2
Specific Target Organ Toxicity, Single Exposure - Category 1
Specific Target Organ Toxicity, Single Exposure - Category 3 narcotic effects

Label elements

Hazard pictogram(s)

Signal Word

DANGER!

Hazard statement(s)

Highly flammable liquid and vapor.
Harmful if swallowed.
Causes serious eye irritation.
Suspected of damaging the unborn child.
Causes damage to the optic nerves (eyes) if swallowed.
May cause drowsiness or dizziness.
SAFETY DATA SHEET

Precautionary statement(s)

Obtain special instructions before use. 
Do not handle until all safety precautions have been read and understood. 
Keep away from heat, open flames and hot surfaces. - No smoking. 
Keep container tightly closed. 
Ground and bond container and receiving equipment. 
Use explosion-proof electrical and ventilating equipment. 
Use only non-sparking tools. 
Take precautionary measures against static discharge. 
Do not breath mist or vapor. 
Wash thoroughly after handling. 
Do not eat, drink or smoke when using this product. 
Use only outdoors or in a well-ventilated area. 
Wear protective gloves and eye/face protection. 

IF exposed or concerned: Get medical advice/attention. 
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. 
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 
If eye irritation persists: get medical advice/attention. 
If inhaled: Remove person to fresh air and keep comfortable for breathing. 
Call a POISON CENTER or doctor/physician if you feel unwell. 
In case of fire: Use water fog, dry chemical, CO2 or ‘alcohol’ foam to extinguish. 

Store locked up. 
Store in a well-ventilated place. Keep cool. 
Keep container tightly closed. 
Dispose of contents/container in accordance with local/regional/national/international regulations. 

Other hazards 
Other hazards which do not result in classification: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. 

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS 

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS #</th>
<th>Concentration (% by weight)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol</td>
<td>Ethyl alcohol</td>
<td>64-17-5</td>
<td>84.00</td>
</tr>
<tr>
<td></td>
<td>Ethyl hydrate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Methanol</td>
<td>Carbinol</td>
<td>67-56-1</td>
<td>13.7 - 15.1</td>
</tr>
<tr>
<td></td>
<td>Methyl hydrate</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Methyl alcohol</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethyl acetate</td>
<td>Ethyl ethanoate</td>
<td>141-78-6</td>
<td>0.8 - 1.0</td>
</tr>
<tr>
<td></td>
<td>Acetoxyethane</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The % concentrations for the above listed chemicals will vary from batch to batch. Concentrations listed represent the actual concentration range for each chemical. 

SECTION 4. FIRST-AID MEASURES 

Description of first aid measures 

*Ingestion*: Call a physician or poison control centre immediately. Do not induce vomiting. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration. Never give anything by mouth to an unconscious person. 

*Inhalation*: If inhaled, move to fresh air. If breathing is difficult, give oxygen by qualified medical personnel only. If breathing has stopped, give artificial respiration. Get medical attention if symptoms persist.
SAFETY DATA SHEET

Skin contact: Wash off with soap and plenty of water. If irritation or symptoms develop, seek medical attention. Wash contaminated clothing before re-use.

Eye contact: Immediately flush eyes with running water for at least 15 minutes. Obtain medical attention if irritation persists.

Most important symptoms and effects, both acute and delayed:
- Harmful if swallowed. Causes serious eye irritation. Symptoms may include redness, pain, tearing and conjunctivitis. Direct skin contact may cause slight or mild, transient irritation. May cause respiratory irritation. Symptoms may include upper respiratory irritation, coughing and breathing difficulties. May cause central nervous system effects. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Causes damage to the optic nerve and central nervous system.
- Suspected of damaging the unborn child.

Indication of any immediate medical attention and special treatment needed:
- Treat symptomatically. This product is a CNS depressant. Contains methanol.

SECTION 5. FIRE-FIGHTING MEASUREMENTS

Extinguishing media:
- Suitable extinguishing media: Use water fog or fine spray, foams, carbon dioxide or dry chemical. Do not use a solid water stream as it may scatter and spread fire.
- Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire.

Special hazards arising from the substance or mixture / Conditions of flammability:
- Highly flammable liquid and vapour. Vapors may travel considerable distance to a source of ignition and flash back. Vapors are heavier than air and may spread along floors. Static discharge, impact, friction, and heat may ignite exposed chemical material.

Flammability classification (OSHA 29 CFR 1910.106):
- Flammable Liquids - Category 2

Hazardous combustion products:
- Carbon monoxide, carbon dioxide, toxic vapours, gases or particulates.

Special protective equipment and precautions for firefighters:
- Protective equipment for fire-fighters: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
- Special fire-fighting procedures: Fight fires from a safe distance. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:
- Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. Individuals involved in the cleanup must wear appropriate personal protective equipment. For personal protection see section 8.

Environmental precautions:
- Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. For large spills, dike the area to prevent spreading.

Methods and material for containment and cleaning up:
SAFETY DATA SHEET

Ventilate area of release. Stop spill or leak at source if safely possible. Dike for water control. Use only non-sparking tools and equipment in the clean-up process. Contain and absorb spilled liquid with inert, non-combustible absorbent material (e.g. sand, vermiculite), then place material into open, unsealed containers. For waste disposal, see Section 13 of the SDS.

Special spill response procedures:
In case of transportation accident, contact TERRAPURE ENVIRONMENTAL at 1-800-567-7455.


SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only in well-ventilated areas. Wear protective gloves and eye/face protection. Do not ingest or swallow. Avoid breathing vapours. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Keep away from heat, sparks and open flames. Use only non-sparking tools with this material. Avoid contact with incompatible materials. Keep containers tightly closed when not in use. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Do not use pressure to empty drums. Do not cut, weld, drill or grind on or near this container. Follow labeled warnings even after container is emptied.

Conditions for safe storage:
Store in a cool, dry, well-ventilated area. Store away from incompatible materials. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking in the area.

Incompatible materials:
Strong oxidizing agents. Ammonia

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TWA</td>
<td>STEL</td>
</tr>
<tr>
<td>Ethyl alcohol</td>
<td>N/Av</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>Methanol</td>
<td>200 ppm (skin)</td>
<td>250 ppm (skin)</td>
</tr>
<tr>
<td>Ethyl acetate</td>
<td>400 ppm</td>
<td>N/Av</td>
</tr>
</tbody>
</table>

Exposure controls

Ventilation and engineering measures:
Ensure adequate ventilation, especially in confined areas. Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.

Respiratory protection:
Respiratory protection is required if the concentrations exceed the TLV. NIOSH-approved respirators are recommended. Advice should be sought from respiratory protection specialists. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02.

Skin protection:
Wear gloves impervious to this material. Advice should be sought from glove suppliers.

Eye / face protection:
Chemical splash goggles are recommended. A full face shield may also be necessary.
Other protective equipment: An eyewash station and safety shower should be made available in the immediate working area. Depending on conditions of use, an impervious apron should be worn. Other equipment may be required depending on workplace standards.

General hygiene considerations: Avoid breathing vapour or mist. Avoid contact with skin, eyes and clothing. Do not ingest. Do not eat, drink or smoke when using this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear colourless liquid.</td>
</tr>
<tr>
<td>Odour</td>
<td>Alcohol</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>100 ppm</td>
</tr>
<tr>
<td>pH</td>
<td>Neutral.</td>
</tr>
<tr>
<td>Melting/Freezing point</td>
<td>-114.1°C (-173.38°F)</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>74-79°C (165.2-174.2°F)</td>
</tr>
<tr>
<td>Flash point</td>
<td>12°C (56.6°F)</td>
</tr>
<tr>
<td>Flashpoint (Method)</td>
<td>Closed cup</td>
</tr>
<tr>
<td>Evaporation rate (BuAe = 1)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Lower flammable limit (% by vol.)</td>
<td>3%</td>
</tr>
<tr>
<td>Upper flammable limit (% by vol.)</td>
<td>20%</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>None.</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>12 kPa</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Not available.</td>
</tr>
<tr>
<td>Relative density / Specific gravity</td>
<td>0.79</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Complete</td>
</tr>
<tr>
<td>Other solubility(ies)</td>
<td>Soluble in most organic solvents.</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water or Coefficient of water/oil distribution</td>
<td>Not available.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>385°C (725 °F)</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Volatiles (% by weight)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Volatile organic Compounds (VOC's)</td>
<td>N/Av</td>
</tr>
<tr>
<td>Absolute pressure of container</td>
<td>N/Ap</td>
</tr>
<tr>
<td>Flame projection length</td>
<td>N/Ap</td>
</tr>
<tr>
<td>Other physical/chemical comments</td>
<td>None known or reported by the manufacturer.</td>
</tr>
</tbody>
</table>

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Not normally reactive.

Chemical stability: Stable under the recommended storage and handling conditions prescribed.
SAFETY DATA SHEET

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to avoid

Keep away from excessive heat, open flames, sparks and other possible sources of ignition. Avoid contact with incompatible materials. Do not use in areas without adequate ventilation. Avoid heat, open flames, sparks, static electricity and electrical equipment.

Incompatible materials

Incompatible materials (see Section 7).

Hazardous decomposition products

None known, refer to hazardous combustion products in Section 5.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

| Routes of entry inhalation | YES |
| Routes of entry skin & eye | YES |
| Routes of entry Ingestion | YES |
| Routes of exposure skin absorption | NO |

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

**Sign and symptoms Inhalation**

May cause irritation of the nose, throat, mucous membranes, and respiratory tract. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects.

**Sign and symptoms ingestion**

Harmful if swallowed. Ingestion can cause gastrointestinal irritation, nausea, and diarrhea. Contains methanol. Contains material which when ingested may be fatal or cause blindness.

**Sign and symptoms skin**

May cause mild skin irritation.

**Sign and symptoms eyes**

Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling and blurred vision.

Potential Chronic Health Effects

Prolonged or repeated skin contact may cause drying and irritation. Prolonged overexposure may cause liver and kidney effects.

**Mutagenicity**

Not expected to be mutagenic in humans.

**Carcinogenicity**

No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

**Reproductive effects & Teratogenicity**

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: Reproductive Toxicity - Category 2 Suspected of damaging the unborn child. Contains Methanol. Methanol may cause fetotoxic and teratogenic effects at doses which are not maternally toxic, based on animal data.

**Sensitization to material**

Not expected to be a skin or respiratory sensitizer.
SAFETY DATA SHEET

Specific target organ effects: Eyes, skin, respiratory system, digestive system, central nervous system. Liver

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification
Specific Target Organ Toxicity, Single Exposure - Category 1
Specific Target Organ Toxicity, Single Exposure - Category 3 narcotic effects

Causes damage to the optic nerve and central nervous system. May cause drowsiness or dizziness.

Not classified as specific target organ toxicity-repeated exposure.

Medical conditions aggravated by overexposure:

Pre-existing skin, eye and respiratory disorders.

Synergistic materials:

None known or reported by the manufacturer.

Toxicological data:

There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data. The calculated ATE values for this mixture are:

ATE dermal = 2602.65mg/kg
ATE oral = 1986.76 mg/kg
ATE inhalation (vapours) = 27.15 mg/kg

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>LC50 (4hr) inh, rat</th>
<th>LD50 (Oral, rat)</th>
<th>LD50 (Rabbit, dermal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol</td>
<td>&gt; 32 380 ppm (61 mg/L) (vapour)</td>
<td>7060 mg/kg</td>
<td>&gt; 15 800 mg/kg</td>
</tr>
<tr>
<td>Methanol</td>
<td>&gt; 5000 ppm/6H (4.1 mg/L/4HH (vapour)</td>
<td>5628 mg/kg (rat)</td>
<td>&gt; 393 mg/kg (Monkey)</td>
</tr>
<tr>
<td>Ethyl acetate</td>
<td>8000 - 16 000 ppm (28.8 - 57.7 mg/L) (vapour)</td>
<td>10 200 mg/kg</td>
<td>&gt; 18 000 mg/kg</td>
</tr>
</tbody>
</table>

Other important toxicological hazards:

None known or reported by the manufacturer.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity:

See the following tables for individual ingredient ecotoxicity data. Do not allow material to contaminate ground water system.

Ecotoxicity data:

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No</th>
<th>LC50 / 96h</th>
<th>NOEC / 21 day</th>
<th>M Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol</td>
<td>64-17-5</td>
<td>&gt; 100 mg/L (Fathead minnow)</td>
<td>N/Av</td>
<td>None.</td>
</tr>
<tr>
<td>Methanol</td>
<td>67-56-1</td>
<td>15 400 mg/L (Bluegill sunfish)</td>
<td>446.7 mg/L/28-day (Fathead minnow)</td>
<td>None.</td>
</tr>
<tr>
<td>Ethyl acetate</td>
<td>141-78-6</td>
<td>&gt; 100 mg/L</td>
<td>N/Av</td>
<td>None.</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No</th>
<th>Toxicity to Daphnia</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>EC50 / 48h NOEC / 21 day M Factor</td>
</tr>
<tr>
<td>Ethyl alcohol</td>
<td>64-17-5</td>
<td>5012 mg/L (Daphnia magna) N/Av None.</td>
</tr>
<tr>
<td>Methanol</td>
<td>67-56-1</td>
<td>&gt; 10 000 mg/L (Daphnia magna) 208 mg/L (QSAR) None.</td>
</tr>
<tr>
<td>Ethyl acetate</td>
<td>141-78-6</td>
<td>&gt; 100 mg/L 2.4 mg/L None.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No</th>
<th>Toxicity to Algae</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>EC50 / 96h or 72h NOEC / 96h or 72h M Factor</td>
</tr>
<tr>
<td>Ethyl alcohol</td>
<td>64-17-5</td>
<td>1000 mg/L/96hr (Green algae) N/Av None.</td>
</tr>
<tr>
<td>Methanol</td>
<td>67-56-1</td>
<td>22 000 mg/L/96hr (Green algae) N/Av None.</td>
</tr>
<tr>
<td>Ethyl acetate</td>
<td>141-78-6</td>
<td>&gt; 100 mg/L/72hr N/Av None.</td>
</tr>
</tbody>
</table>

Persistence and degradability: Readily biodegradable

Bioaccumulation potential: No data is available on the product itself.

<table>
<thead>
<tr>
<th>Components</th>
<th>Partition coefficient n-octanol/water (log Kow)</th>
<th>Bioconcentration factor (BCF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol (CAS 64-17-5)</td>
<td>- 0.31</td>
<td>Not expected to bioaccumulate</td>
</tr>
<tr>
<td>Methanol (CAS 67-56-1)</td>
<td>- 0.82 to - 0.64</td>
<td>&lt;10 species: fish</td>
</tr>
<tr>
<td>Ethyl acetate (CAS 141-78-6)</td>
<td>0.73</td>
<td>30 (Fish)</td>
</tr>
</tbody>
</table>

Mobility in soil: No data is available on the product itself.

Other Adverse Environmental effects: No data is available on the product itself.

SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal: See Section 7 (Handling and Storage) for further details. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Do not cut, weld, drill or grind on or near this container.

Methods of Disposal: Dispose in accordance with all applicable federal, state, provincial and local regulations.

RCRA: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method.
SAFETY DATA SHEET

SECTION 14. TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>Regulatory Information</th>
<th>UN Number</th>
<th>UN proper shipping name</th>
<th>Transport hazard class(es)</th>
<th>Packing Group</th>
<th>Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDG</td>
<td>UN1986</td>
<td>ALCOHOLS, FLAMMABLE, TOXIC, N.O.S. (Ethanol, Methanol)</td>
<td>3(6.1)</td>
<td>II</td>
<td></td>
</tr>
<tr>
<td>TDG Additional information</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>May be shipped as LIMITED QUANTITY when transported in quantities no larger than 1 Litre, in packages not exceeding 30 kg gross mass.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ICAO/IATA</td>
<td>UN1986</td>
<td>Alcohols, flammable, toxic, n.o.s. (Ethanol, Methanol)</td>
<td>3(6.1)</td>
<td>II</td>
<td></td>
</tr>
<tr>
<td>ICAO/IATA Additional information</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Refer to ICAO/IATA Packing Instruction</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IMDG</td>
<td>UN1986</td>
<td>ALCOHOLS, FLAMMABLE, TOXIC, N.O.S. (Ethanol, Methanol)</td>
<td>3(6.1)</td>
<td>II</td>
<td></td>
</tr>
<tr>
<td>IMDG Additional information</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consult the IMDG regulations for exceptions.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>49CFR/DOT</td>
<td>UN1986</td>
<td>Alcohols, Flammable, Toxic, N.O.S. (Ethanol, Methanol)</td>
<td>3(6.1)</td>
<td>II</td>
<td></td>
</tr>
<tr>
<td>49CFR/DOT Additional information</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>May be shipped as LIMITED QUANTITY when transported in quantities no larger than 1 Litre, in packages not exceeding 30 kg gross mass.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Special precautions for user: Keep away from heat, sparks and open flame. - No smoking.

Environmental hazards: This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12.

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

SECTION 15 - REGULATORY INFORMATION

US Federal Information:
Components listed below are present on the following U.S. Federal chemical lists:

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS #</th>
<th>TSCA Inventory</th>
<th>CERCLA Reportable Quantity(RQ) (40 CFR 117.302):</th>
<th>SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:</th>
<th>SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol</td>
<td>64-17-5</td>
<td>Yes</td>
<td>None.</td>
<td>None.</td>
<td>No</td>
</tr>
<tr>
<td>Methanol</td>
<td>67-56-1</td>
<td>Yes</td>
<td>5000 lbs / 2270 kg</td>
<td>None.</td>
<td>Yes</td>
</tr>
<tr>
<td>Ethyl acetate</td>
<td>141-78-6</td>
<td>Yes</td>
<td>5000 lb / 2270 kg</td>
<td>None.</td>
<td>No</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Flammable; Eye irritation; Reproductive toxicity; Specific target organ toxicity, single exposure. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS #</th>
<th>California Proposition 65</th>
<th>State &quot;Right to Know&quot; Lists</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Listed</td>
<td>Type of Toxicity</td>
</tr>
<tr>
<td>Ethyl alcohol</td>
<td>64-17-5</td>
<td>No</td>
<td>N/Ap</td>
</tr>
<tr>
<td>Methanol</td>
<td>67-56-1</td>
<td>No</td>
<td>Developmental</td>
</tr>
<tr>
<td>Ethyl acetate</td>
<td>141-78-6</td>
<td>No</td>
<td>N/Ap</td>
</tr>
</tbody>
</table>

Canadian Information:

WHMIS Classification: Refer to Section 2 for a WHMIS Classification for this product. All ingredients are present on the DSL.

International Information:

Components listed below are present on the following International Inventory list:

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS #</th>
<th>European EINECs</th>
<th>Australia AICS</th>
<th>Philippines PICCS</th>
<th>Japan ENCS</th>
<th>Korea KECI/KECL</th>
<th>China IECSC</th>
<th>NewZealand IOC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol</td>
<td>64-17-5</td>
<td>200-578-6</td>
<td>Present</td>
<td>Present</td>
<td>(2)-202</td>
<td>KE-13217</td>
<td>Present</td>
<td>HSR001144</td>
</tr>
<tr>
<td>Methanol</td>
<td>67-56-1</td>
<td>200-659-6</td>
<td>Present</td>
<td>Present</td>
<td>(2)-201</td>
<td>KE-23193</td>
<td>Present</td>
<td>HSR001186</td>
</tr>
<tr>
<td>Ethyl acetate</td>
<td>141-78-6</td>
<td>205-500-4</td>
<td>Present</td>
<td>Present</td>
<td>(2)-726</td>
<td>KE-00047</td>
<td>Present</td>
<td>HSR001041</td>
</tr>
</tbody>
</table>

SECTION 16. OTHER INFORMATION

Legend:

ACGIH: American Conference of Governmental Industrial Hygienists
CA: California
CAS: Chemical Abstract Services
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CFR: Code of Federal Regulations
CNS: Central Nervous System
CSA: Canadian Standards Association
DOT: Department of Transportation
EPA: Environmental Protection Agency
HMIS: Hazardous Materials Identification System
HSDB: Hazardous Substances Data Bank
IARC: International Agency for Research on Cancer
Inh: Inhalation
IUCLID: International Uniform Chemical Information Database
LC: Lethal Concentration
LD: Lethal Dose
MA: Massachusetts
MN: Minnesota
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N/Ap: Not Applicable
N/Av: Not Available
NFPA: National Fire Protection Association
NIOSH: National Institute of Occupational Safety and Health
NJ: New Jersey
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
PA: Pennsylvania
PEL: Permissible exposure limit
RCRA: Resource Conservation and Recovery Act
RI: Rhode Island
RTECS: Registry of Toxic Effects of Chemical Substances
SARA: Superfund Amendments and Reauthorization Act
STEL: Short Term Exposure Limit
TDG: Canadian Transportation of Dangerous Goods Act & Regulations
TLV: Threshold Limit Values
TWA: Time Weighted Average
WHMIS: Workplace Hazardous Materials Identification System

References:
1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2016
2. International Agency for Research on Cancer Monographs, searched 2017
3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases, 2017 (Chempendium, HSDB and RTECs).
4. Material Safety Data Sheets from manufacturer.

Preparation Date (mm/dd/yyyy):
11/13/2015
Reviewed Date SDS (dd/mm/yyyy):
17/04/2018
Revision No.:
2
Revision Information:
(M)SDS sections updated
3. COMPOSITION/INFORMATION ON INGREDIENTS
4. First aid measures
11. Toxicological information
14. Transport information
15. Regulatory information

Other special considerations for handling:
Provide adequate information, instruction and training for operators.

Prepared for:
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3463 Thomas Street
Innisfill, ON L9S 3W4
Information (M-F 8:00-5:00): 705-436-5580
www.cometchemical.com

Prepared by:
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SAFETY DATA SHEET

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END OF DOCUMENT