

## SECTION 1: IDENTIFICATION

### Product Identifier

**Product Form:** Mixture

**Product Name:** UroFix

**Product Code:** UF0507, UF0460, UF08120, UF0507B500

### Intended Use of the Product

Fixative. For professional use only.

### Name, Address, and Telephone of the Responsible Party

#### **Company**

StatLab Medical Products

2090 Commerce Drive

McKinney, TX 75069

800-442-3573

972-436-1369 Fax

[www.statlab.com](http://www.statlab.com)

### Emergency Telephone Number

**Emergency Number** : CHEMTREC 800-424-9300 (USA & Canada)

CHEMTREC 703-527-3887 (International)

Non-transport 972-436-1010 (USA)

## SECTION 2: HAZARDS IDENTIFICATION

### Classification of the Substance or Mixture

#### **Classification (GHS-US)**

Flammable Liquid 3 H226

Skin Sensitizer 1 H317

Carcinogenicity 2 H351

Aquatic Acute 3 H402

Full text of H-phrases: see section 16

### Label Elements

#### **GHS-US Labeling**

#### **Hazard Pictograms (GHS-US)**



#### **Signal Word (GHS-US)**

: Warning

#### **Hazard Statements (GHS-US)**

: H226 - Flammable liquid and vapor.  
 H317 - May cause an allergic skin reaction.  
 H351 - Suspected of causing cancer (inhalation).  
 H402 - Harmful to aquatic life.

#### **Precautionary Statements (GHS-US)**

: P201 - Obtain special instructions before use.  
 P202 - Do not handle until all safety precautions have been read and understood.  
 P210 - Keep away from extremely high or low temperatures, ignition sources, and incompatible materials. - No smoking.  
 P233 - Keep container tightly closed.  
 P240 - Ground/bond container and receiving equipment.  
 P241 - Use explosion-proof electrical, ventilating, and lighting equipment.  
 P242 - Use only non-sparking tools.  
 P243 - Take precautionary measures against static discharge.  
 P261 - Avoid breathing vapors, mist, or spray.  
 P272 - Contaminated work clothing must not be allowed out of the workplace.

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P273 - Avoid release to the environment.  
P280 - Wear protective gloves, protective clothing, and eye protection.  
P303+P361+P353+P362+P364 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Take off contaminated clothing and wash it before reuse.  
P308+P313 - If exposed or concerned: Get medical advice/attention.  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P370+P378 - In case of fire: Use appropriate media (see section 5) to extinguish.  
P403+P235+P405 - Store in a well-ventilated place. Keep cool. Store locked up.  
P501 - Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

### Other Hazards

This material contains methanol, which, when ingested, may cause acidosis and ocular toxicity ranging from diminished visual capacity to complete blindness, and possible death.

**Unknown Acute Toxicity (GHS-US)** Not available

## SECTION 3: COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

### Mixture

| Name              | Product Identifier | % (w/w) | Classification (GHS-US)                                                                                                                                                                                                                      |
|-------------------|--------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ethyl alcohol     | (CAS No) 64-17-5   | 37      | Flammable Liquid 2, H225<br>Eye Irritation 2A, H319                                                                                                                                                                                          |
| Acetic acid       | (CAS No) 64-19-7   | 6       | Flammable Liquid 3, H226<br>Skin Corrosion 1A, H314<br>Eye Damage 1, H318<br>Aquatic Acute 3, H402                                                                                                                                           |
| Methyl alcohol    | (CAS No) 67-56-1   | 2       | Flammable Liquid 2, H225<br>Acute Toxicity 3 (Oral), H301<br>Acute Toxicity 3 (Dermal), H311<br>Acute Toxicity 3 (Inhalation: vapor), H331<br>Specific Target Organ Toxicity Single Exposure 1, H370                                         |
| Isopropyl alcohol | (CAS No) 67-63-0   | 2       | Flammable Liquid 2, H225<br>Eye Irritation 2A, H319<br>Specific Target Organ Toxicity Single Exposure 3, H336                                                                                                                                |
| Formaldehyde      | (CAS No) 50-00-0   | 2       | Acute Toxicity 3 (Oral), H301<br>Acute Toxicity 3 (Dermal), H311<br>Acute Toxicity 3 (Inhalation: gas), H331<br>Skin Corrosion 1B, H314<br>Eye Damage 1, H318<br>Skin Sensitizer 1, H317<br>Carcinogenicity 2, H351<br>Aquatic Acute 2, H401 |

Full text of H-phrases: see section 16

## SECTION 4: FIRST AID MEASURES

### Description of First Aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area. If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

**Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Obtain medical attention if irritation persists.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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### **Most Important Symptoms and Effects Both Acute and Delayed**

**General:** May cause an allergic skin reaction. Suspected of causing cancer.

**Inhalation:** Inhalation of vapors may cause respiratory irritation. May cause cancer by inhalation.

**Skin Contact:** May cause an allergic skin reaction. Symptoms may include: Redness, pain, swelling, itching, burning, dryness, and dermatitis.

**Eye Contact:** May cause eye irritation.

**Ingestion:** Ingestion is likely to be harmful or have adverse effects.

**Chronic Symptoms:** Suspected of causing cancer (inhalation). This material contains methanol, which, when ingested, may cause acidosis and ocular toxicity ranging from diminished visual capacity to complete blindness, and possible death.

### **Indication of Any Immediate Medical Attention and Special Treatment Needed**

If exposed or concerned, get medical advice and attention.

## **SECTION 5: FIRE-FIGHTING MEASURES**

### **Extinguishing Media**

**Suitable Extinguishing Media:** Water spray, fog, carbon dioxide, foam, dry chemical.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

### **Special Hazards Arising From the Substance or Mixture**

**Fire Hazard:** Flammable liquid and vapor.

**Explosion Hazard:** May form flammable/explosive vapor-air mixture.

**Reactivity:** Reacts with (strong) oxidizers: (increased) risk of fire.

### **Advice for Firefighters**

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Carbon oxides (CO, CO<sub>2</sub>). Formaldehyde.

**Other Information:** Will decompose above > 150 °C (> 300 °F) releasing formaldehyde vapors.

### **Reference to Other Sections**

Refer to section 9 for flammability properties.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment and Emergency Procedures**

**General Measures:** Use special care to avoid static electric charges. Keep away from open flames, hot surfaces and sources of ignition. Do not get in eyes, on skin, or on clothing. Do not breathe vapor, mist or spray.

#### **For Non-Emergency Personnel**

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### **For Emergency Personnel**

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

### **Environmental Precautions**

Prevent entry to sewers and public waters.

### **Methods and Material for Containment and Cleaning Up**

**For Containment:** Absorb and/or contain spill with inert material, then place in suitable container. Do not take up in combustible material such as saw dust or cellulosic material.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Use only non-sparking tools.

### **Reference to Other Sections**

See Section 8, Exposure Controls and Personal Protection. For further information refer to section 13.

## **SECTION 7: HANDLING AND STORAGE**

### **Precautions for Safe Handling**

**Additional Hazards When Processed:** Handle empty containers with care because residual vapors are flammable.

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**Precautions for Safe Handling:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product.

### **Conditions for Safe Storage, Including Any Incompatibilities**

**Technical Measures:** Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof electrical, ventilating, and lighting equipment.

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep in fireproof place.

**Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers.

### **Specific End Use(s)**

Fixative. For professional use only.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Control Parameters**

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

| <b>Methyl alcohol (67-56-1)</b>    |                                       |                                                                                      |
|------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------|
| <b>USA ACGIH</b>                   | ACGIH TWA (ppm)                       | 200 ppm                                                                              |
| <b>USA ACGIH</b>                   | ACGIH STEL (ppm)                      | 250 ppm                                                                              |
| <b>USA ACGIH</b>                   | ACGIH chemical category               | Skin - potential significant contribution to overall exposure by the cutaneous route |
| <b>USA OSHA</b>                    | OSHA PEL (TWA) (mg/m <sup>3</sup> )   | 260 mg/m <sup>3</sup>                                                                |
| <b>USA OSHA</b>                    | OSHA PEL (TWA) (ppm)                  | 200 ppm                                                                              |
| <b>USA NIOSH</b>                   | NIOSH REL (TWA) (mg/m <sup>3</sup> )  | 260 mg/m <sup>3</sup>                                                                |
| <b>USA NIOSH</b>                   | NIOSH REL (TWA) (ppm)                 | 200 ppm                                                                              |
| <b>USA NIOSH</b>                   | NIOSH REL (STEL) (mg/m <sup>3</sup> ) | 325 mg/m <sup>3</sup>                                                                |
| <b>USA NIOSH</b>                   | NIOSH REL (STEL) (ppm)                | 250 ppm                                                                              |
| <b>USA IDLH</b>                    | US IDLH (ppm)                         | 6000 ppm                                                                             |
| <b>Alberta</b>                     | OEL STEL (mg/m <sup>3</sup> )         | 328 mg/m <sup>3</sup>                                                                |
| <b>Alberta</b>                     | OEL STEL (ppm)                        | 250 ppm                                                                              |
| <b>Alberta</b>                     | OEL TWA (mg/m <sup>3</sup> )          | 262 mg/m <sup>3</sup>                                                                |
| <b>Alberta</b>                     | OEL TWA (ppm)                         | 200 ppm                                                                              |
| <b>British Columbia</b>            | OEL STEL (ppm)                        | 250 ppm                                                                              |
| <b>British Columbia</b>            | OEL TWA (ppm)                         | 200 ppm                                                                              |
| <b>Manitoba</b>                    | OEL STEL (ppm)                        | 250 ppm                                                                              |
| <b>Manitoba</b>                    | OEL TWA (ppm)                         | 200 ppm                                                                              |
| <b>New Brunswick</b>               | OEL STEL (mg/m <sup>3</sup> )         | 328 mg/m <sup>3</sup>                                                                |
| <b>New Brunswick</b>               | OEL STEL (ppm)                        | 250 ppm                                                                              |
| <b>New Brunswick</b>               | OEL TWA (mg/m <sup>3</sup> )          | 262 mg/m <sup>3</sup>                                                                |
| <b>New Brunswick</b>               | OEL TWA (ppm)                         | 200 ppm                                                                              |
| <b>Newfoundland &amp; Labrador</b> | OEL STEL (ppm)                        | 250 ppm                                                                              |
| <b>Newfoundland &amp; Labrador</b> | OEL TWA (ppm)                         | 200 ppm                                                                              |
| <b>Nova Scotia</b>                 | OEL STEL (ppm)                        | 250 ppm                                                                              |
| <b>Nova Scotia</b>                 | OEL TWA (ppm)                         | 200 ppm                                                                              |
| <b>Nunavut</b>                     | OEL STEL (mg/m <sup>3</sup> )         | 328 mg/m <sup>3</sup>                                                                |
| <b>Nunavut</b>                     | OEL STEL (ppm)                        | 250 ppm                                                                              |
| <b>Nunavut</b>                     | OEL TWA (mg/m <sup>3</sup> )          | 262 mg/m <sup>3</sup>                                                                |
| <b>Nunavut</b>                     | OEL TWA (ppm)                         | 200 ppm                                                                              |
| <b>Northwest Territories</b>       | OEL STEL (mg/m <sup>3</sup> )         | 328 mg/m <sup>3</sup>                                                                |

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|                                    |                                      |                                                              |
|------------------------------------|--------------------------------------|--------------------------------------------------------------|
| <b>Northwest Territories</b>       | OEL STEL (ppm)                       | 250 ppm                                                      |
| <b>Northwest Territories</b>       | OEL TWA (mg/m <sup>3</sup> )         | 262 mg/m <sup>3</sup>                                        |
| <b>Northwest Territories</b>       | OEL TWA (ppm)                        | 200 ppm                                                      |
| <b>Ontario</b>                     | OEL STEL (ppm)                       | 250 ppm                                                      |
| <b>Ontario</b>                     | OEL TWA (ppm)                        | 200 ppm                                                      |
| <b>Prince Edward Island</b>        | OEL STEL (ppm)                       | 250 ppm                                                      |
| <b>Prince Edward Island</b>        | OEL TWA (ppm)                        | 200 ppm                                                      |
| <b>Québec</b>                      | VECD (mg/m <sup>3</sup> )            | 328 mg/m <sup>3</sup>                                        |
| <b>Québec</b>                      | VECD (ppm)                           | 250 ppm                                                      |
| <b>Québec</b>                      | VEMP (mg/m <sup>3</sup> )            | 262 mg/m <sup>3</sup>                                        |
| <b>Québec</b>                      | VEMP (ppm)                           | 200 ppm                                                      |
| <b>Saskatchewan</b>                | OEL STEL (ppm)                       | 250 ppm                                                      |
| <b>Saskatchewan</b>                | OEL TWA (ppm)                        | 200 ppm                                                      |
| <b>Yukon</b>                       | OEL STEL (mg/m <sup>3</sup> )        | 310 mg/m <sup>3</sup>                                        |
| <b>Yukon</b>                       | OEL STEL (ppm)                       | 250 ppm                                                      |
| <b>Yukon</b>                       | OEL TWA (mg/m <sup>3</sup> )         | 260 mg/m <sup>3</sup>                                        |
| <b>Yukon</b>                       | OEL TWA (ppm)                        | 200 ppm                                                      |
| <b>Ethyl alcohol (64-17-5)</b>     |                                      |                                                              |
| <b>USA ACGIH</b>                   | ACGIH STEL (ppm)                     | 1000 ppm                                                     |
| <b>USA ACGIH</b>                   | ACGIH chemical category              | Confirmed Animal Carcinogen with Unknown Relevance to Humans |
| <b>USA OSHA</b>                    | OSHA PEL (TWA) (mg/m <sup>3</sup> )  | 1900 mg/m <sup>3</sup>                                       |
| <b>USA OSHA</b>                    | OSHA PEL (TWA) (ppm)                 | 1000 ppm                                                     |
| <b>USA NIOSH</b>                   | NIOSH REL (TWA) (mg/m <sup>3</sup> ) | 1900 mg/m <sup>3</sup>                                       |
| <b>USA NIOSH</b>                   | NIOSH REL (TWA) (ppm)                | 1000 ppm                                                     |
| <b>USA IDLH</b>                    | US IDLH (ppm)                        | 3300 ppm (10% LEL)                                           |
| <b>Alberta</b>                     | OEL TWA (mg/m <sup>3</sup> )         | 1880 mg/m <sup>3</sup>                                       |
| <b>Alberta</b>                     | OEL TWA (ppm)                        | 1000 ppm                                                     |
| <b>British Columbia</b>            | OEL STEL (ppm)                       | 1000 ppm                                                     |
| <b>Manitoba</b>                    | OEL STEL (ppm)                       | 1000 ppm                                                     |
| <b>New Brunswick</b>               | OEL TWA (mg/m <sup>3</sup> )         | 1880 mg/m <sup>3</sup>                                       |
| <b>New Brunswick</b>               | OEL TWA (ppm)                        | 1000 ppm                                                     |
| <b>Newfoundland &amp; Labrador</b> | OEL STEL (ppm)                       | 1000 ppm                                                     |
| <b>Nova Scotia</b>                 | OEL STEL (ppm)                       | 1000 ppm                                                     |
| <b>Nunavut</b>                     | OEL STEL (mg/m <sup>3</sup> )        | 2355 mg/m <sup>3</sup>                                       |
| <b>Nunavut</b>                     | OEL STEL (ppm)                       | 1250 ppm                                                     |
| <b>Nunavut</b>                     | OEL TWA (mg/m <sup>3</sup> )         | 1884 mg/m <sup>3</sup>                                       |
| <b>Nunavut</b>                     | OEL TWA (ppm)                        | 1000 ppm                                                     |
| <b>Northwest Territories</b>       | OEL STEL (mg/m <sup>3</sup> )        | 2355 mg/m <sup>3</sup>                                       |
| <b>Northwest Territories</b>       | OEL STEL (ppm)                       | 1250 ppm                                                     |
| <b>Northwest Territories</b>       | OEL TWA (mg/m <sup>3</sup> )         | 1884 mg/m <sup>3</sup>                                       |
| <b>Northwest Territories</b>       | OEL TWA (ppm)                        | 1000 ppm                                                     |
| <b>Ontario</b>                     | OEL STEL (ppm)                       | 1000 ppm                                                     |
| <b>Prince Edward Island</b>        | OEL STEL (ppm)                       | 1000 ppm                                                     |
| <b>Québec</b>                      | VEMP (mg/m <sup>3</sup> )            | 1880 mg/m <sup>3</sup>                                       |
| <b>Québec</b>                      | VEMP (ppm)                           | 1000 ppm                                                     |
| <b>Saskatchewan</b>                | OEL STEL (ppm)                       | 1250 ppm                                                     |
| <b>Saskatchewan</b>                | OEL TWA (ppm)                        | 1000 ppm                                                     |
| <b>Yukon</b>                       | OEL STEL (mg/m <sup>3</sup> )        | 1900 mg/m <sup>3</sup>                                       |
| <b>Yukon</b>                       | OEL STEL (ppm)                       | 1000 ppm                                                     |
| <b>Yukon</b>                       | OEL TWA (mg/m <sup>3</sup> )         | 1900 mg/m <sup>3</sup>                                       |
| <b>Yukon</b>                       | OEL TWA (ppm)                        | 1000 ppm                                                     |

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| <b>Acetic acid (64-19-7)</b>       |                                       |                      |
| <b>USA ACGIH</b>                   | ACGIH TWA (ppm)                       | 10 ppm               |
| <b>USA ACGIH</b>                   | ACGIH STEL (ppm)                      | 15 ppm               |
| <b>USA OSHA</b>                    | OSHA PEL (TWA) (mg/m <sup>3</sup> )   | 25 mg/m <sup>3</sup> |
| <b>USA OSHA</b>                    | OSHA PEL (TWA) (ppm)                  | 10 ppm               |
| <b>USA NIOSH</b>                   | NIOSH REL (TWA) (mg/m <sup>3</sup> )  | 25 mg/m <sup>3</sup> |
| <b>USA NIOSH</b>                   | NIOSH REL (TWA) (ppm)                 | 10 ppm               |
| <b>USA NIOSH</b>                   | NIOSH REL (STEL) (mg/m <sup>3</sup> ) | 37 mg/m <sup>3</sup> |
| <b>USA NIOSH</b>                   | NIOSH REL (STEL) (ppm)                | 15 ppm               |
| <b>USA IDLH</b>                    | US IDLH (ppm)                         | 50 ppm               |
| <b>Alberta</b>                     | OEL STEL (mg/m <sup>3</sup> )         | 37 mg/m <sup>3</sup> |
| <b>Alberta</b>                     | OEL STEL (ppm)                        | 15 ppm               |
| <b>Alberta</b>                     | OEL TWA (mg/m <sup>3</sup> )          | 25 mg/m <sup>3</sup> |
| <b>Alberta</b>                     | OEL TWA (ppm)                         | 10 ppm               |
| <b>British Columbia</b>            | OEL STEL (ppm)                        | 15 ppm               |
| <b>British Columbia</b>            | OEL TWA (ppm)                         | 10 ppm               |
| <b>Manitoba</b>                    | OEL STEL (ppm)                        | 15 ppm               |
| <b>Manitoba</b>                    | OEL TWA (ppm)                         | 10 ppm               |
| <b>New Brunswick</b>               | OEL STEL (mg/m <sup>3</sup> )         | 37 mg/m <sup>3</sup> |
| <b>New Brunswick</b>               | OEL STEL (ppm)                        | 15 ppm               |
| <b>New Brunswick</b>               | OEL TWA (mg/m <sup>3</sup> )          | 25 mg/m <sup>3</sup> |
| <b>New Brunswick</b>               | OEL TWA (ppm)                         | 10 ppm               |
| <b>Newfoundland &amp; Labrador</b> | OEL STEL (ppm)                        | 15 ppm               |
| <b>Newfoundland &amp; Labrador</b> | OEL TWA (ppm)                         | 10 ppm               |
| <b>Nova Scotia</b>                 | OEL STEL (ppm)                        | 15 ppm               |
| <b>Nova Scotia</b>                 | OEL TWA (ppm)                         | 10 ppm               |
| <b>Nunavut</b>                     | OEL STEL (mg/m <sup>3</sup> )         | 39 mg/m <sup>3</sup> |
| <b>Nunavut</b>                     | OEL STEL (ppm)                        | 15 ppm               |
| <b>Nunavut</b>                     | OEL TWA (mg/m <sup>3</sup> )          | 26 mg/m <sup>3</sup> |
| <b>Nunavut</b>                     | OEL TWA (ppm)                         | 10 ppm               |
| <b>Northwest Territories</b>       | OEL STEL (mg/m <sup>3</sup> )         | 39 mg/m <sup>3</sup> |
| <b>Northwest Territories</b>       | OEL STEL (ppm)                        | 15 ppm               |
| <b>Northwest Territories</b>       | OEL TWA (mg/m <sup>3</sup> )          | 26 mg/m <sup>3</sup> |
| <b>Northwest Territories</b>       | OEL TWA (ppm)                         | 10 ppm               |
| <b>Ontario</b>                     | OEL STEL (ppm)                        | 15 ppm               |
| <b>Ontario</b>                     | OEL TWA (ppm)                         | 10 ppm               |
| <b>Prince Edward Island</b>        | OEL STEL (ppm)                        | 15 ppm               |
| <b>Prince Edward Island</b>        | OEL TWA (ppm)                         | 10 ppm               |
| <b>Québec</b>                      | VECD (mg/m <sup>3</sup> )             | 37 mg/m <sup>3</sup> |
| <b>Québec</b>                      | VECD (ppm)                            | 15 ppm               |
| <b>Québec</b>                      | VEMP (mg/m <sup>3</sup> )             | 25 mg/m <sup>3</sup> |
| <b>Québec</b>                      | VEMP (ppm)                            | 10 ppm               |
| <b>Saskatchewan</b>                | OEL STEL (ppm)                        | 15 ppm               |
| <b>Saskatchewan</b>                | OEL TWA (ppm)                         | 10 ppm               |
| <b>Yukon</b>                       | OEL STEL (mg/m <sup>3</sup> )         | 43 mg/m <sup>3</sup> |
| <b>Yukon</b>                       | OEL STEL (ppm)                        | 25 ppm               |
| <b>Yukon</b>                       | OEL TWA (mg/m <sup>3</sup> )          | 25 mg/m <sup>3</sup> |
| <b>Yukon</b>                       | OEL TWA (ppm)                         | 10 ppm               |
| <b>Isopropyl alcohol (67-63-0)</b> |                                       |                      |
| <b>USA ACGIH</b>                   | ACGIH TWA (ppm)                       | 200 ppm              |
| <b>USA ACGIH</b>                   | ACGIH STEL (ppm)                      | 400 ppm              |

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| <b>USA ACGIH</b>                   | ACGIH chemical category               | Not Classifiable as a Human Carcinogen       |
| <b>USA OSHA</b>                    | OSHA PEL (TWA) (mg/m <sup>3</sup> )   | 980 mg/m <sup>3</sup>                        |
| <b>USA OSHA</b>                    | OSHA PEL (TWA) (ppm)                  | 400 ppm                                      |
| <b>USA NIOSH</b>                   | NIOSH REL (TWA) (mg/m <sup>3</sup> )  | 980 mg/m <sup>3</sup>                        |
| <b>USA NIOSH</b>                   | NIOSH REL (TWA) (ppm)                 | 400 ppm                                      |
| <b>USA NIOSH</b>                   | NIOSH REL (STEL) (mg/m <sup>3</sup> ) | 1225 mg/m <sup>3</sup>                       |
| <b>USA NIOSH</b>                   | NIOSH REL (STEL) (ppm)                | 500 ppm                                      |
| <b>USA IDLH</b>                    | US IDLH (ppm)                         | 2000 ppm (10% LEL)                           |
| <b>Alberta</b>                     | OEL STEL (mg/m <sup>3</sup> )         | 984 mg/m <sup>3</sup>                        |
| <b>Alberta</b>                     | OEL STEL (ppm)                        | 400 ppm                                      |
| <b>Alberta</b>                     | OEL TWA (mg/m <sup>3</sup> )          | 492 mg/m <sup>3</sup>                        |
| <b>Alberta</b>                     | OEL TWA (ppm)                         | 200 ppm                                      |
| <b>British Columbia</b>            | OEL STEL (ppm)                        | 400 ppm                                      |
| <b>British Columbia</b>            | OEL TWA (ppm)                         | 200 ppm                                      |
| <b>Manitoba</b>                    | OEL STEL (ppm)                        | 400 ppm                                      |
| <b>Manitoba</b>                    | OEL TWA (ppm)                         | 200 ppm                                      |
| <b>New Brunswick</b>               | OEL STEL (mg/m <sup>3</sup> )         | 1230 mg/m <sup>3</sup>                       |
| <b>New Brunswick</b>               | OEL STEL (ppm)                        | 500 ppm                                      |
| <b>New Brunswick</b>               | OEL TWA (mg/m <sup>3</sup> )          | 983 mg/m <sup>3</sup>                        |
| <b>New Brunswick</b>               | OEL TWA (ppm)                         | 400 ppm                                      |
| <b>Newfoundland &amp; Labrador</b> | OEL STEL (ppm)                        | 400 ppm                                      |
| <b>Newfoundland &amp; Labrador</b> | OEL TWA (ppm)                         | 200 ppm                                      |
| <b>Nova Scotia</b>                 | OEL STEL (ppm)                        | 400 ppm                                      |
| <b>Nova Scotia</b>                 | OEL TWA (ppm)                         | 200 ppm                                      |
| <b>Nunavut</b>                     | OEL STEL (mg/m <sup>3</sup> )         | 1228 mg/m <sup>3</sup>                       |
| <b>Nunavut</b>                     | OEL STEL (ppm)                        | 500 ppm                                      |
| <b>Nunavut</b>                     | OEL TWA (mg/m <sup>3</sup> )          | 983 mg/m <sup>3</sup>                        |
| <b>Nunavut</b>                     | OEL TWA (ppm)                         | 400 ppm                                      |
| <b>Northwest Territories</b>       | OEL STEL (mg/m <sup>3</sup> )         | 1228 mg/m <sup>3</sup>                       |
| <b>Northwest Territories</b>       | OEL STEL (ppm)                        | 500 ppm                                      |
| <b>Northwest Territories</b>       | OEL TWA (mg/m <sup>3</sup> )          | 983 mg/m <sup>3</sup>                        |
| <b>Northwest Territories</b>       | OEL TWA (ppm)                         | 400 ppm                                      |
| <b>Ontario</b>                     | OEL STEL (ppm)                        | 400 ppm                                      |
| <b>Ontario</b>                     | OEL TWA (ppm)                         | 200 ppm                                      |
| <b>Prince Edward Island</b>        | OEL STEL (ppm)                        | 400 ppm                                      |
| <b>Prince Edward Island</b>        | OEL TWA (ppm)                         | 200 ppm                                      |
| <b>Québec</b>                      | VECD (mg/m <sup>3</sup> )             | 1230 mg/m <sup>3</sup>                       |
| <b>Québec</b>                      | VECD (ppm)                            | 500 ppm                                      |
| <b>Québec</b>                      | VEMP (mg/m <sup>3</sup> )             | 985 mg/m <sup>3</sup>                        |
| <b>Québec</b>                      | VEMP (ppm)                            | 400 ppm                                      |
| <b>Saskatchewan</b>                | OEL STEL (ppm)                        | 400 ppm                                      |
| <b>Saskatchewan</b>                | OEL TWA (ppm)                         | 200 ppm                                      |
| <b>Yukon</b>                       | OEL STEL (mg/m <sup>3</sup> )         | 1225 mg/m <sup>3</sup>                       |
| <b>Yukon</b>                       | OEL STEL (ppm)                        | 500 ppm                                      |
| <b>Yukon</b>                       | OEL TWA (mg/m <sup>3</sup> )          | 980 mg/m <sup>3</sup>                        |
| <b>Yukon</b>                       | OEL TWA (ppm)                         | 400 ppm                                      |
| <b>Formaldehyde (50-00-0)</b>      |                                       |                                              |
| <b>USA ACGIH</b>                   | ACGIH Ceiling (ppm)                   | 0.3 ppm                                      |
| <b>USA ACGIH</b>                   | ACGIH chemical category               | dermal sensitizer,Suspected Human Carcinogen |
| <b>USA OSHA</b>                    | OSHA PEL (TWA) (ppm)                  | 0.75 ppm                                     |
| <b>USA OSHA</b>                    | OSHA PEL (STEL) (ppm)                 | 2 ppm (see 29 CFR 1910.1048)                 |

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|                                    |                                  |                       |
|------------------------------------|----------------------------------|-----------------------|
| <b>USA NIOSH</b>                   | NIOSH REL (TWA) (ppm)            | 0.016 ppm             |
| <b>USA NIOSH</b>                   | NIOSH REL (ceiling) (ppm)        | 0.1 ppm               |
| <b>USA IDLH</b>                    | US IDLH (ppm)                    | 20 ppm                |
| <b>Alberta</b>                     | OEL Ceiling (mg/m <sup>3</sup> ) | 1.3 mg/m <sup>3</sup> |
| <b>Alberta</b>                     | OEL Ceiling (ppm)                | 1 ppm                 |
| <b>Alberta</b>                     | OEL TWA (mg/m <sup>3</sup> )     | 0.9 mg/m <sup>3</sup> |
| <b>Alberta</b>                     | OEL TWA (ppm)                    | 0.75 ppm              |
| <b>British Columbia</b>            | OEL Ceiling (ppm)                | 1 ppm                 |
| <b>British Columbia</b>            | OEL TWA (ppm)                    | 0.3 ppm               |
| <b>Manitoba</b>                    | OEL Ceiling (ppm)                | 0.3 ppm               |
| <b>New Brunswick</b>               | OEL STEL (ppm)                   | 1.5 ppm               |
| <b>New Brunswick</b>               | OEL TWA (ppm)                    | 0.5 ppm               |
| <b>Newfoundland &amp; Labrador</b> | OEL Ceiling (ppm)                | 0.3 ppm               |
| <b>Nova Scotia</b>                 | OEL Ceiling (ppm)                | 0.3 ppm               |
| <b>Nunavut</b>                     | OEL Ceiling (mg/m <sup>3</sup> ) | 2.4 mg/m <sup>3</sup> |
| <b>Nunavut</b>                     | OEL Ceiling (ppm)                | 2 ppm                 |
| <b>Northwest Territories</b>       | OEL Ceiling (mg/m <sup>3</sup> ) | 2.4 mg/m <sup>3</sup> |
| <b>Northwest Territories</b>       | OEL Ceiling (ppm)                | 2 ppm                 |
| <b>Ontario</b>                     | OEL Ceiling (ppm)                | 1.5 ppm               |
| <b>Ontario</b>                     | OEL STEL (ppm)                   | 1.0 ppm               |
| <b>Prince Edward Island</b>        | OEL Ceiling (ppm)                | 0.3 ppm               |
| <b>Québec</b>                      | PLAFOND (mg/m <sup>3</sup> )     | 3 mg/m <sup>3</sup>   |
| <b>Québec</b>                      | PLAFOND (ppm)                    | 2 ppm                 |
| <b>Saskatchewan</b>                | OEL Ceiling (ppm)                | 0.3 ppm               |
| <b>Yukon</b>                       | OEL Ceiling (mg/m <sup>3</sup> ) | 3 mg/m <sup>3</sup>   |
| <b>Yukon</b>                       | OEL Ceiling (ppm)                | 2 ppm                 |

### Exposure Controls

**Appropriate Engineering Controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated above. All electrical equipment should comply with the National Electric Code. Gas detectors should be used when flammable gases/vapors may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Ensure all national/local regulations are observed.

**Personal Protective Equipment:** Protective clothing. Gloves. Protective goggles. Insufficient ventilation: wear respiratory protection.



**Materials for Protective Clothing:** Chemically resistant materials and fabrics.

**Hand Protection:** Wear chemically resistant protective gloves.

**Eye Protection:** Chemical safety goggles.

**Skin and Body Protection:** Wear fire/flammable resistant/retardant clothing.

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

**Other Information:** When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

|                         |                    |
|-------------------------|--------------------|
| <b>Physical State</b>   | : Liquid           |
| <b>Appearance</b>       | : Clear, colorless |
| <b>Odor</b>             | : Not available    |
| <b>Odor Threshold</b>   | : Not available    |
| <b>pH</b>               | : 2.5 - 3.5        |
| <b>Evaporation Rate</b> | : Not available    |



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|                                                          |                                                                                              |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------|
| <b>Melting Point</b>                                     | : Not available                                                                              |
| <b>Freezing Point</b>                                    | : Not available                                                                              |
| <b>Boiling Point</b>                                     | : Not available                                                                              |
| <b>Flash Point</b>                                       | : $\approx 26^{\circ}\text{C}$ ( $\approx 78.8^{\circ}\text{F}$ ) 37% Ethyl alcohol solution |
| <b>Auto-ignition Temperature</b>                         | : Not available                                                                              |
| <b>Decomposition Temperature</b>                         | : Not available                                                                              |
| <b>Flammability (solid, gas)</b>                         | : Not available                                                                              |
| <b>Lower Flammable Limit</b>                             | : Not available                                                                              |
| <b>Upper Flammable Limit</b>                             | : Not available                                                                              |
| <b>Vapor Pressure</b>                                    | : Not available                                                                              |
| <b>Relative Vapor Density at 20 °C</b>                   | : Not available                                                                              |
| <b>Relative Density</b>                                  | : Not available                                                                              |
| <b>Specific Gravity</b>                                  | : 0.9 - 1.0                                                                                  |
| <b>Solubility</b>                                        | : Soluble in water                                                                           |
| <b>Partition Coefficient: N-Octanol/Water</b>            | : Not available                                                                              |
| <b>Viscosity</b>                                         | : Not available                                                                              |
| <b>Explosion Data – Sensitivity to Mechanical Impact</b> | : Not expected to present an explosion hazard due to mechanical impact                       |
| <b>Explosion Data – Sensitivity to Static Discharge</b>  | : Static discharge could act as an ignition source                                           |

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** Reacts with (strong) oxidizers: (increased) risk of fire.

**Chemical Stability:** Flammable liquid and vapor.

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures. Sparks, heat, open flame and other sources of ignition.

**Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers.

**Hazardous Decomposition Products:** Carbon oxides (CO, CO<sub>2</sub>). Will decompose above  $> 150^{\circ}\text{C}$  ( $> 300^{\circ}\text{F}$ ) releasing formaldehyde vapors. Formaldehyde is a potential carcinogen and can act as a potential skin and respiratory sensitizer. Formaldehyde can also cause respiratory and eye irritation.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects - Product

**Acute Toxicity:** Not classified

**LD50 and LC50 Data:** Not available

**Skin Corrosion/Irritation:** Not classified

**pH:** 2.5 - 3.5

**Serious Eye Damage/Irritation:** Not classified

**pH:** 2.5 - 3.5

**Respiratory or Skin Sensitization:** May cause an allergic skin reaction

**Germ Cell Mutagenicity:** Not classified

**Teratogenicity:** Not classified

**Carcinogenicity:** Suspected of causing cancer

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** Inhalation of vapors may cause respiratory irritation. May cause cancer by inhalation

**Symptoms/Injuries After Skin Contact:** May cause an allergic skin reaction. Symptoms may include: Redness, pain, swelling, itching, burning, dryness, and dermatitis

**Symptoms/Injuries After Eye Contact:** May cause eye irritation

**Symptoms/Injuries After Ingestion:** Ingestion is likely to be harmful or have adverse effects

**Chronic Symptoms:** Suspected of causing cancer (inhalation). This material contains methanol, which, when ingested, may cause acidosis and ocular toxicity ranging from diminished visual capacity to complete blindness, and possible death

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### Information on Toxicological Effects - Ingredient(s)

#### LD50 and LC50 Data:

|                                    |                                   |
|------------------------------------|-----------------------------------|
| <b>Methyl alcohol (67-56-1)</b>    |                                   |
| LD50 Oral Rat                      | 6200 mg/kg                        |
| LC50 Inhalation Rat                | 22500 ppm (Exposure time: 8 h)    |
| ATE US (oral)                      | 100.00 mg/kg body weight          |
| ATE US (dermal)                    | 300.00 mg/kg body weight          |
| ATE US (vapors)                    | 3.00 mg/l/4h                      |
| <b>Ethyl alcohol (64-17-5)</b>     |                                   |
| LD50 Oral Rat                      | 10470 mg/kg                       |
| LD50 Dermal Rat                    | 20 ml/kg                          |
| LC50 Inhalation Rat                | 124.7 mg/l/4h                     |
| <b>Acetic acid (64-19-7)</b>       |                                   |
| LD50 Oral Rat                      | 3310 mg/kg                        |
| LD50 Dermal Rabbit                 | 1060 mg/kg                        |
| LC50 Inhalation Rat                | 11.4 mg/l/4h                      |
| <b>Isopropyl alcohol (67-63-0)</b> |                                   |
| LD50 Oral Rat                      | 4710 mg/kg                        |
| LD50 Dermal Rabbit                 | 4059 mg/kg                        |
| LC50 Inhalation Rat                | 72.6 mg/l/4h (Exposure time: 4 h) |
| <b>Formaldehyde (50-00-0)</b>      |                                   |
| LD50 Oral Rat                      | 100 mg/kg                         |
| LD50 Dermal Rat                    | 270 mg/kg                         |
| ATE US (gases)                     | 700.00 ppmV/4h                    |

#### Carcinogenicity

|                                             |                                                 |
|---------------------------------------------|-------------------------------------------------|
| <b>Ethyl alcohol (64-17-5)</b>              |                                                 |
| IARC Group                                  | 1                                               |
| OSHA Hazard Communication Carcinogen List   | In OSHA Hazard Communication Carcinogen list.   |
| <b>Isopropyl alcohol (67-63-0)</b>          |                                                 |
| IARC Group                                  | 3                                               |
| <b>Formaldehyde (50-00-0)</b>               |                                                 |
| IARC Group                                  | 1                                               |
| National Toxicology Program (NTP) Status    | Known Human Carcinogens.                        |
| OSHA Hazard Communication Carcinogen List   | In OSHA Hazard Communication Carcinogen list.   |
| OSHA Specifically Regulated Carcinogen List | In OSHA Specifically Regulated Carcinogen list. |

## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity

Ecology - General: Harmful to aquatic life.

|                                 |                                                                                |
|---------------------------------|--------------------------------------------------------------------------------|
| <b>Methyl alcohol (67-56-1)</b> |                                                                                |
| LC50 Fish 1                     | 28200 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| EC50 Daphnia 1                  | 1340 mg/l                                                                      |
| LC 50 Fish 2                    | > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])       |
| <b>Ethyl alcohol (64-17-5)</b>  |                                                                                |
| EC50 Daphnia 1                  | 9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)               |
| LC 50 Fish 2                    | > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])       |
| ErC50 (algae)                   | 1000 mg/l                                                                      |
| <b>Acetic acid (64-19-7)</b>    |                                                                                |
| LC50 Fish 1                     | 79 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])          |

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|                                    |                                                                                      |
|------------------------------------|--------------------------------------------------------------------------------------|
| EC50 Daphnia 1                     | 65 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])                      |
| LC 50 Fish 2                       | 75 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])                |
| <b>Isopropyl alcohol (67-63-0)</b> |                                                                                      |
| LC50 Fish 1                        | 9640 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])        |
| EC50 Daphnia 1                     | 13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)                            |
| EC50 Other Aquatic Organisms 1     | 1000 mg/l (Exposure time: 96 h - Species: Desmodesmus subspicatus)                   |
| LC 50 Fish 2                       | 11130 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])             |
| EC50 Other Aquatic Organisms 2     | 1000 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)                   |
| <b>Formaldehyde (50-00-0)</b>      |                                                                                      |
| LC50 Fish 1                        | 22.6 - 25.7 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| EC50 Daphnia 1                     | 2 mg/l (Exposure time: 48 h - Species: Daphnia magna)                                |
| LC 50 Fish 2                       | 1510 µg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])              |
| EC50 Daphnia 2                     | 11.3 - 18 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])               |

### Persistence and Degradability

|                                |                  |
|--------------------------------|------------------|
| <b>UroFix</b>                  |                  |
| Persistence and Degradability  | Not established. |
| <b>Ethyl alcohol (64-17-5)</b> |                  |
| Persistence and Degradability  | Not established. |

### Bioaccumulative Potential

|                                    |                  |
|------------------------------------|------------------|
| <b>UroFix</b>                      |                  |
| Bioaccumulative Potential          | Not established. |
| <b>Methyl alcohol (67-56-1)</b>    |                  |
| BCF Fish 1                         | < 10             |
| Log Pow                            | -0.77            |
| <b>Ethyl alcohol (64-17-5)</b>     |                  |
| Log Pow                            | -0.32            |
| Bioaccumulative Potential          | Not established. |
| <b>Acetic acid (64-19-7)</b>       |                  |
| Log Pow                            | -0.31 (at 20 °C) |
| <b>Isopropyl alcohol (67-63-0)</b> |                  |
| Log Pow                            | 0.05 (at 25 °C)  |
| <b>Formaldehyde (50-00-0)</b>      |                  |
| Log Pow                            | 0.35 (at 25 °C)  |

**Mobility in Soil** Not available

### Other Adverse Effects

**Other Information:** Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Sewage Disposal Recommendations:** Do not empty into drains; dispose of this material and its container in a safe way.

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

**Additional Information:** Handle empty containers with care because residual vapors are flammable.

## SECTION 14: TRANSPORT INFORMATION

In Accordance With ICAO/IATA/DOT/TDG

### 14.1. UN Number

UN-No.(DOT) : 1170  
DOT NA no. : UN1170

### 14.2. UN Proper Shipping Name

Proper Shipping Name (DOT) : Ethyl alcohol solutions  
Transport hazard class(es) (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

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**Hazard Labels (DOT)** : 3 - Flammable liquid



**Packing Group (DOT)** : III - Minor Danger

**DOT Special Provisions (49 CFR 172.102)** : 24 - Alcoholic beverages containing more than 70 percent alcohol by volume must be transported as materials in Packing Group II. Alcoholic beverages containing more than 24 percent but not more than 70 percent alcohol by volume must be transported as materials in Packing Group III.

IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.

T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)

TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling =  $97 / (1 + a (tr - tf))$  Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.

**DOT Packaging Exceptions (49 CFR 173.xxx)** : 4b;150

**DOT Packaging Non Bulk (49 CFR 173.xxx)** : 202

**DOT Packaging Bulk (49 CFR 173.xxx)** : 242

### 14.3. Additional Information

**Emergency Response Guide (ERG) Number** : 127

### Transport by Sea

**DOT Vessel Stowage Location** : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

**EmS-No. (1)** : F-E

**EmS-No. (2)** : S-D

### Air Transport

**DOT Quantity Limitations Passenger** : 5 L

**Aircraft/Rail (49 CFR 173.27)**

**DOT Quantity Limitations Cargo Aircraft** : 60 L

**Only (49 CFR 175.75)**

## SECTION 15: REGULATORY INFORMATION

### US Federal Regulations

|                                                                           |                                                                                   |
|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| <b>UroFix</b>                                                             |                                                                                   |
| <b>SARA Section 311/312 Hazard Classes</b>                                | Immediate (acute) health hazard<br>Fire hazard<br>Delayed (chronic) health hazard |
| <b>Methyl alcohol (67-56-1)</b>                                           |                                                                                   |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |                                                                                   |
| Listed on United States SARA Section 313                                  |                                                                                   |
| <b>SARA Section 311/312 Hazard Classes</b>                                | Delayed (chronic) health hazard<br>Immediate (acute) health hazard<br>Fire hazard |
| <b>SARA Section 313 - Emission Reporting</b>                              | 1.0 %                                                                             |
| <b>Ethyl alcohol (64-17-5)</b>                                            |                                                                                   |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |                                                                                   |

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|                                                                           |                                                                                                   |
|---------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| <b>Acetic acid (64-19-7)</b>                                              |                                                                                                   |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |                                                                                                   |
| <b>SARA Section 311/312 Hazard Classes</b>                                | Fire hazard<br>Immediate (acute) health hazard                                                    |
| <b>Isopropyl alcohol (67-63-0)</b>                                        |                                                                                                   |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |                                                                                                   |
| Listed on United States SARA Section 313                                  |                                                                                                   |
| <b>EPA TSCA Regulatory Flag</b>                                           | T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.            |
| <b>SARA Section 313 - Emission Reporting</b>                              | 1.0 % (only if manufactured by the strong acid process, no supplier notification)                 |
| <b>Formaldehyde (50-00-0)</b>                                             |                                                                                                   |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |                                                                                                   |
| Listed on the United States SARA Section 302                              |                                                                                                   |
| Listed on United States SARA Section 313                                  |                                                                                                   |
| <b>SARA Section 302 Threshold Planning Quantity (TPQ)</b>                 | 500                                                                                               |
| <b>SARA Section 311/312 Hazard Classes</b>                                | Delayed (chronic) health hazard<br>Immediate (acute) health hazard<br>Fire hazard                 |
| <b>SARA Section 313 - Emission Reporting</b>                              | 0.1 %                                                                                             |
| <b>US State Regulations</b>                                               |                                                                                                   |
| <b>Methyl alcohol (67-56-1)</b>                                           |                                                                                                   |
| <b>U.S. - California - Proposition 65 - Developmental Toxicity</b>        | WARNING: This product contains chemicals known to the State of California to cause birth defects. |
| <b>Ethyl alcohol (64-17-5)</b>                                            |                                                                                                   |
| <b>U.S. - California - Proposition 65 - Carcinogens List</b>              | WARNING: This product contains chemicals known to the State of California to cause cancer.        |
| <b>U.S. - California - Proposition 65 - Developmental Toxicity</b>        | WARNING: This product contains chemicals known to the State of California to cause birth defects. |
| <b>Formaldehyde (50-00-0)</b>                                             |                                                                                                   |
| <b>U.S. - California - Proposition 65 - Carcinogens List</b>              | WARNING: This product contains chemicals known to the State of California to cause cancer.        |
| <b>Methyl alcohol (67-56-1)</b>                                           |                                                                                                   |
| U.S. - Massachusetts - Right To Know List                                 |                                                                                                   |
| U.S. - New Jersey - Right to Know Hazardous Substance List                |                                                                                                   |
| U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List     |                                                                                                   |
| U.S. - Pennsylvania - RTK (Right to Know) List                            |                                                                                                   |
| <b>Ethyl alcohol (64-17-5)</b>                                            |                                                                                                   |
| U.S. - Massachusetts - Right To Know List                                 |                                                                                                   |
| U.S. - New Jersey - Right to Know Hazardous Substance List                |                                                                                                   |
| U.S. - Pennsylvania - RTK (Right to Know) List                            |                                                                                                   |
| <b>Acetic acid (64-19-7)</b>                                              |                                                                                                   |
| U.S. - Massachusetts - Right To Know List                                 |                                                                                                   |
| U.S. - New Jersey - Right to Know Hazardous Substance List                |                                                                                                   |
| U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List     |                                                                                                   |
| U.S. - Pennsylvania - RTK (Right to Know) List                            |                                                                                                   |
| <b>Isopropyl alcohol (67-63-0)</b>                                        |                                                                                                   |
| U.S. - Massachusetts - Right To Know List                                 |                                                                                                   |
| U.S. - New Jersey - Right to Know Hazardous Substance List                |                                                                                                   |
| U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List     |                                                                                                   |
| U.S. - Pennsylvania - RTK (Right to Know) List                            |                                                                                                   |
| <b>Formaldehyde (50-00-0)</b>                                             |                                                                                                   |
| U.S. - Massachusetts - Right To Know List                                 |                                                                                                   |

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U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List  
U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances  
U.S. - Pennsylvania - RTK (Right to Know) List

### Canadian Regulations

#### UroFix

|                      |                                                                                                                                                                                                              |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WHMIS Classification | Class B Division 2 - Flammable Liquid<br>Class D Division 2 Subdivision A - Very toxic material causing other toxic effects<br>Class D Division 2 Subdivision B - Toxic material causing other toxic effects |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



#### Methyl alcohol (67-56-1)

Listed on the Canadian DSL (Domestic Substances List)  
Listed on the Canadian IDL (Ingredient Disclosure List)

IDL Concentration 1 %

|                      |                                                                                                                                                                                                                              |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WHMIS Classification | Class B Division 2 - Flammable Liquid<br>Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects<br>Class D Division 2 Subdivision A - Very toxic material causing other toxic effects |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### Ethyl alcohol (64-17-5)

Listed on the Canadian DSL (Domestic Substances List)  
Listed on the Canadian IDL (Ingredient Disclosure List)

IDL Concentration 0.1 %

|                      |                                                                                                                        |
|----------------------|------------------------------------------------------------------------------------------------------------------------|
| WHMIS Classification | Class B Division 2 - Flammable Liquid<br>Class D Division 2 Subdivision B - Toxic material causing other toxic effects |
|----------------------|------------------------------------------------------------------------------------------------------------------------|

#### Acetic acid (64-19-7)

Listed on the Canadian DSL (Domestic Substances List)  
Listed on the Canadian IDL (Ingredient Disclosure List)

IDL Concentration 1 %

|                      |                                                                                                                                                          |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| WHMIS Classification | Class B Division 3 - Combustible Liquid<br>Class D Division 2 Subdivision B - Toxic material causing other toxic effects<br>Class E - Corrosive Material |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|

#### Isopropyl alcohol (67-63-0)

Listed on the Canadian DSL (Domestic Substances List)  
Listed on the Canadian IDL (Ingredient Disclosure List)

IDL Concentration 1 %

|                      |                                                                                                                        |
|----------------------|------------------------------------------------------------------------------------------------------------------------|
| WHMIS Classification | Class B Division 2 - Flammable Liquid<br>Class D Division 2 Subdivision B - Toxic material causing other toxic effects |
|----------------------|------------------------------------------------------------------------------------------------------------------------|

#### Formaldehyde (50-00-0)

Listed on the Canadian DSL (Domestic Substances List)  
Listed on the Canadian IDL (Ingredient Disclosure List)

IDL Concentration 0.1 %

|                      |                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WHMIS Classification | Class D Division 1 Subdivision A - Very toxic material causing immediate and serious toxic effects<br>Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects<br>Class D Division 2 Subdivision A - Very toxic material causing other toxic effects<br>Class D Division 2 Subdivision B - Toxic material causing other toxic effects<br>Class E - Corrosive Material |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

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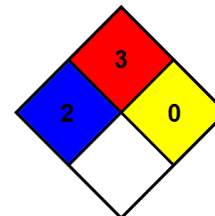
### SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Revision Date** : 09/08/2015  
**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

#### GHS Full Text Phrases:

|                                 |                                                                |
|---------------------------------|----------------------------------------------------------------|
| Acute Tox. 3 (Dermal)           | Acute toxicity (dermal) Category 3                             |
| Acute Tox. 3 (Inhalation:gas)   | Acute toxicity (inhalation:gas) Category 3                     |
| Acute Tox. 3 (Inhalation:vapor) | Acute toxicity (inhalation:vapor) Category 3                   |
| Acute Tox. 3 (Oral)             | Acute toxicity (oral) Category 3                               |
| Aquatic Acute 2                 | Hazardous to the aquatic environment - Acute Hazard Category 2 |
| Aquatic Acute 3                 | Hazardous to the aquatic environment - Acute Hazard Category 3 |
| Carc. 2                         | Carcinogenicity Category 2                                     |
| Eye Dam. 1                      | Serious eye damage/eye irritation Category 1                   |
| Eye Irrit. 2A                   | Serious eye damage/eye irritation Category 2A                  |
| Flam. Liq. 2                    | Flammable liquids Category 2                                   |
| Flam. Liq. 3                    | Flammable liquids Category 3                                   |
| Skin Corr. 1A                   | Skin corrosion/irritation Category 1A                          |
| Skin Corr. 1B                   | Skin corrosion/irritation Category 1B                          |
| Skin Sens. 1                    | Skin sensitization Category 1                                  |
| STOT SE 1                       | Specific target organ toxicity (single exposure) Category 1    |
| STOT SE 3                       | Specific target organ toxicity (single exposure) Category 3    |
| H225                            | Highly flammable liquid and vapor                              |
| H226                            | Flammable liquid and vapor                                     |
| H301                            | Toxic if swallowed                                             |
| H311                            | Toxic in contact with skin                                     |
| H314                            | Causes severe skin burns and eye damage                        |
| H317                            | May cause an allergic skin reaction                            |
| H318                            | Causes serious eye damage                                      |
| H319                            | Causes serious eye irritation                                  |
| H331                            | Toxic if inhaled                                               |
| H336                            | May cause drowsiness or dizziness                              |
| H351                            | Suspected of causing cancer                                    |
| H370                            | Causes damage to organs                                        |
| H401                            | Toxic to aquatic life                                          |
| H402                            | Harmful to aquatic life                                        |

**NFPA Health Hazard** : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.  
**NFPA Fire Hazard** : 3 - Liquids and solids that can be ignited under almost all ambient conditions.  
**NFPA Reactivity** : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



#### HMIS III Rating

**Health** : 2 Moderate Hazard - Temporary or minor injury may occur  
**Flammability** : 3 Serious Hazard  
**Physical** : 0 Minimal Hazard

#### Party Responsible for the Preparation of This Document

StatLab Medical Products  
Phone Number: 800-442-3573

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*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

NA GHS SDS