

## SECTION 1: IDENTIFICATION

### Product Identifier

**Product Form:** Mixture

**Product Name:** 95% Reagent Alcohol

**Product Code:** 9500-1

### Intended Use of the Product

Histology/cytology and General Use Reagent.

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

#### **Company**

StatLab Medical Products

2090 Commerce Drive

McKinney, TX 75069

800-442-3573

Fax 972-436-1369

[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

#### **GHS-US classification**

Flammable Liquid 2 H225

Eye Irritation 2A H319

Specific Target Organ Toxicity Single Exposure 2 H371

Full text of hazard classes and H-statements : see section 16

### Label Elements

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

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



GHS02



GHS07



GHS08

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

Danger

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

H225 - Highly flammable liquid and vapor.

H319 - Causes serious eye irritation.

H371 - May cause damage to organs (optic nerve (nervus opticus), central nervous system).

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

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.

P260 - Do not breathe mist, spray, vapors.

P264 - Wash hands, forearms, and exposed areas thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P280 - Wear protective gloves, protective clothing, and eye protection.

P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower.

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P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 - If eye irritation persists: Get medical 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

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

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

## SECTION 3: COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

### Mixture

| Name              | Product Identifier | % (w/w) | GHS-US classification                                                                                                                                                                                |
|-------------------|--------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ethyl alcohol     | (CAS No) 64-17-5   | 85      | Flammable Liquid 2, H225<br>Eye Irritation 2A, H319                                                                                                                                                  |
| Isopropyl alcohol | (CAS No) 67-63-0   | 5       | Flammable Liquid 2, H225<br>Eye Irritation 2A, H319<br>Specific Target Organ Toxicity Single Exposure 3, H336                                                                                        |
| Methanol          | (CAS No) 67-56-1   | 4       | 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 |

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 (show the label where possible).

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention.

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

**Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

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

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

**General:** Causes serious eye irritation. May cause damage to organs.

**Inhalation:** May cause respiratory irritation.

**Skin Contact:** May cause skin irritation.

**Eye Contact:** Causes serious eye irritation. Symptoms may include: Redness, pain, swelling, itching, burning, tearing, and blurred vision.

**Ingestion:** May cause damage to organs (optic nerve (nervus opticus), central nervous system). Ingestion is likely to be harmful or have adverse effects. This material contains methanol, which, when ingested, may cause acidosis and ocular toxicity ranging from diminished visual capacity to complete blindness, and possible death.

**Chronic Symptoms:** None expected under normal conditions of use.

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

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing Media

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

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**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:** Highly flammable liquid and vapor.

**Explosion Hazard:** May form flammable/explosive vapor-air mixture. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

**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.

### **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:** Use appropriate personal protection equipment (PPE). Equip cleanup crew with proper protection.

**Emergency Procedures:** Ventilate area. 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 Materials 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. Contact competent authorities after a spill.

### **Reference to Other Sections**

See heading 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

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

### **Precautions for Safe Handling**

**Additional Hazards When Processed:** Handle empty containers with care because residual vapors are flammable. Keep away from heat, sparks, open flames, hot surfaces. – No smoking.

**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. Contaminated work clothing should not be allowed out of the workplace.

### **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. Comply with applicable regulations.

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Store locked up. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. 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)**

Histology/cytology and General Use Reagent.

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### 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), AIHA (WEEL), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

| Ethyl alcohol (64-17-5)     |                                       |                                                                                                                |
|-----------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------|
| USA ACGIH                   | ACGIH STEL (ppm)                      | 1000 ppm                                                                                                       |
| USA ACGIH                   | ACGIH chemical category               | Confirmed Animal Carcinogen with Unknown Relevance to Humans                                                   |
| USA OSHA                    | OSHA PEL (TWA) (mg/m <sup>3</sup> )   | 1900 mg/m <sup>3</sup>                                                                                         |
| USA OSHA                    | OSHA PEL (TWA) (ppm)                  | 1000 ppm                                                                                                       |
| USA NIOSH                   | NIOSH REL (TWA) (mg/m <sup>3</sup> )  | 1900 mg/m <sup>3</sup>                                                                                         |
| USA NIOSH                   | NIOSH REL (TWA) (ppm)                 | 1000 ppm                                                                                                       |
| USA IDLH                    | US IDLH (ppm)                         | 3300 ppm (10% LEL)                                                                                             |
| Alberta                     | OEL TWA (mg/m <sup>3</sup> )          | 1880 mg/m <sup>3</sup>                                                                                         |
| Alberta                     | OEL TWA (ppm)                         | 1000 ppm                                                                                                       |
| British Columbia            | OEL STEL (ppm)                        | 1000 ppm                                                                                                       |
| Manitoba                    | OEL STEL (ppm)                        | 1000 ppm                                                                                                       |
| New Brunswick               | OEL TWA (mg/m <sup>3</sup> )          | 1880 mg/m <sup>3</sup>                                                                                         |
| New Brunswick               | OEL TWA (ppm)                         | 1000 ppm                                                                                                       |
| Newfoundland & Labrador     | OEL STEL (ppm)                        | 1000 ppm                                                                                                       |
| Nova Scotia                 | OEL STEL (ppm)                        | 1000 ppm                                                                                                       |
| Nunavut                     | OEL STEL (mg/m <sup>3</sup> )         | 2355 mg/m <sup>3</sup>                                                                                         |
| Nunavut                     | OEL STEL (ppm)                        | 1250 ppm                                                                                                       |
| Nunavut                     | OEL TWA (mg/m <sup>3</sup> )          | 1884 mg/m <sup>3</sup>                                                                                         |
| Nunavut                     | OEL TWA (ppm)                         | 1000 ppm                                                                                                       |
| Northwest Territories       | OEL STEL (ppm)                        | 1250 ppm                                                                                                       |
| Northwest Territories       | OEL TWA (ppm)                         | 1000 ppm                                                                                                       |
| Ontario                     | OEL STEL (ppm)                        | 1000 ppm                                                                                                       |
| Prince Edward Island        | OEL STEL (ppm)                        | 1000 ppm                                                                                                       |
| Québec                      | VEMP (mg/m <sup>3</sup> )             | 1880 mg/m <sup>3</sup>                                                                                         |
| Québec                      | VEMP (ppm)                            | 1000 ppm                                                                                                       |
| Saskatchewan                | OEL STEL (ppm)                        | 1250 ppm                                                                                                       |
| Saskatchewan                | OEL TWA (ppm)                         | 1000 ppm                                                                                                       |
| Yukon                       | OEL STEL (mg/m <sup>3</sup> )         | 1900 mg/m <sup>3</sup>                                                                                         |
| Yukon                       | OEL STEL (ppm)                        | 1000 ppm                                                                                                       |
| Yukon                       | OEL TWA (mg/m <sup>3</sup> )          | 1900 mg/m <sup>3</sup>                                                                                         |
| Yukon                       | OEL TWA (ppm)                         | 1000 ppm                                                                                                       |
| Isopropyl alcohol (67-63-0) |                                       |                                                                                                                |
| USA ACGIH                   | ACGIH TWA (ppm)                       | 200 ppm                                                                                                        |
| USA ACGIH                   | ACGIH STEL (ppm)                      | 400 ppm                                                                                                        |
| USA ACGIH                   | ACGIH chemical category               | Not Classifiable as a Human Carcinogen                                                                         |
| USA ACGIH                   | Biological Exposure Indices (BEI)     | 40 mg/l (Medium: urine - Time: end of shift at end of workweek - Parameter: Acetone (background, nonspecific)) |
| USA OSHA                    | OSHA PEL (TWA) (mg/m <sup>3</sup> )   | 980 mg/m <sup>3</sup>                                                                                          |
| USA OSHA                    | OSHA PEL (TWA) (ppm)                  | 400 ppm                                                                                                        |
| USA NIOSH                   | NIOSH REL (TWA) (mg/m <sup>3</sup> )  | 980 mg/m <sup>3</sup>                                                                                          |
| USA NIOSH                   | NIOSH REL (TWA) (ppm)                 | 400 ppm                                                                                                        |
| USA NIOSH                   | NIOSH REL (STEL) (mg/m <sup>3</sup> ) | 1225 mg/m <sup>3</sup>                                                                                         |
| USA NIOSH                   | NIOSH REL (STEL) (ppm)                | 500 ppm                                                                                                        |
| USA IDLH                    | US IDLH (ppm)                         | 2000 ppm (10% LEL)                                                                                             |
| Alberta                     | OEL STEL (mg/m <sup>3</sup> )         | 984 mg/m <sup>3</sup>                                                                                          |

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|                         |                               |                        |
|-------------------------|-------------------------------|------------------------|
| Alberta                 | OEL STEL (ppm)                | 400 ppm                |
| Alberta                 | OEL TWA (mg/m <sup>3</sup> )  | 492 mg/m <sup>3</sup>  |
| Alberta                 | OEL TWA (ppm)                 | 200 ppm                |
| British Columbia        | OEL STEL (ppm)                | 400 ppm                |
| British Columbia        | OEL TWA (ppm)                 | 200 ppm                |
| Manitoba                | OEL STEL (ppm)                | 400 ppm                |
| Manitoba                | OEL TWA (ppm)                 | 200 ppm                |
| New Brunswick           | OEL STEL (mg/m <sup>3</sup> ) | 1230 mg/m <sup>3</sup> |
| New Brunswick           | OEL STEL (ppm)                | 500 ppm                |
| New Brunswick           | OEL TWA (mg/m <sup>3</sup> )  | 983 mg/m <sup>3</sup>  |
| New Brunswick           | OEL TWA (ppm)                 | 400 ppm                |
| Newfoundland & Labrador | OEL STEL (ppm)                | 400 ppm                |
| Newfoundland & Labrador | OEL TWA (ppm)                 | 200 ppm                |
| Nova Scotia             | OEL STEL (ppm)                | 400 ppm                |
| Nova Scotia             | OEL TWA (ppm)                 | 200 ppm                |
| Nunavut                 | OEL STEL (mg/m <sup>3</sup> ) | 1228 mg/m <sup>3</sup> |
| Nunavut                 | OEL STEL (ppm)                | 500 ppm                |
| Nunavut                 | OEL TWA (mg/m <sup>3</sup> )  | 983 mg/m <sup>3</sup>  |
| Nunavut                 | OEL TWA (ppm)                 | 400 ppm                |
| Northwest Territories   | OEL STEL (ppm)                | 400 ppm                |
| Northwest Territories   | OEL TWA (ppm)                 | 200 ppm                |
| Ontario                 | OEL STEL (ppm)                | 400 ppm                |
| Ontario                 | OEL TWA (ppm)                 | 200 ppm                |
| Prince Edward Island    | OEL STEL (ppm)                | 400 ppm                |
| Prince Edward Island    | OEL TWA (ppm)                 | 200 ppm                |
| Québec                  | VECD (mg/m <sup>3</sup> )     | 1230 mg/m <sup>3</sup> |
| Québec                  | VECD (ppm)                    | 500 ppm                |
| Québec                  | VEMP (mg/m <sup>3</sup> )     | 985 mg/m <sup>3</sup>  |
| Québec                  | VEMP (ppm)                    | 400 ppm                |
| Saskatchewan            | OEL STEL (ppm)                | 400 ppm                |
| Saskatchewan            | OEL TWA (ppm)                 | 200 ppm                |
| Yukon                   | OEL STEL (mg/m <sup>3</sup> ) | 1225 mg/m <sup>3</sup> |
| Yukon                   | OEL STEL (ppm)                | 500 ppm                |
| Yukon                   | OEL TWA (mg/m <sup>3</sup> )  | 980 mg/m <sup>3</sup>  |
| Yukon                   | OEL TWA (ppm)                 | 400 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 or 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 suitable protective clothing.

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

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**Thermal Hazard Protection:** Wear fire/flammable resistant/retardant clothing.

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

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

|                                                   |                                                                         |
|---------------------------------------------------|-------------------------------------------------------------------------|
| Physical State                                    | : Liquid                                                                |
| Appearance                                        | : Not available                                                         |
| Odor                                              | : Not available                                                         |
| Odor Threshold                                    | : Not available                                                         |
| pH                                                | : Not available                                                         |
| Evaporation Rate                                  | : Not available                                                         |
| Melting Point                                     | : Not available                                                         |
| Freezing Point                                    | : Not available                                                         |
| Boiling Point                                     | : Not available                                                         |
| Flash Point                                       | : <20°C                                                                 |
| Auto-ignition Temperature                         | : Not available                                                         |
| Decomposition Temperature                         | : Not available                                                         |
| Flammability (solid, gas)                         | : Not available                                                         |
| Lower Flammable Limit                             | : Not available                                                         |
| Upper Flammable Limit                             | : Not available                                                         |
| Vapor Pressure                                    | : Not available                                                         |
| Relative Vapor Density at 20 °C                   | : Not available                                                         |
| Relative Density                                  | : Not available                                                         |
| Specific Gravity                                  | : Not available                                                         |
| Solubility                                        | : Not available                                                         |
| Partition Coefficient: N-Octanol/Water            | : Not available                                                         |
| Viscosity                                         | : Not available                                                         |
| Explosion Data – Sensitivity to Mechanical Impact | : Not expected to present an explosion hazard due to mechanical impact. |
| Explosion Data – Sensitivity to Static Discharge  | : Static discharge could act as an ignition source.                     |

## SECTION 10: STABILITY AND REACTIVITY

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

**Chemical Stability:** Highly flammable liquid and vapor.

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

**Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, and incompatible materials. 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>). Formaldehyde. 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

**Serious Eye Damage/Irritation:** Causes serious eye irritation.

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Teratogenicity:** Not classified

**Carcinogenicity:** Not classified

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

**Reproductive Toxicity:** Not classified

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**Specific Target Organ Toxicity (Single Exposure):** May cause damage to organs.

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** May cause respiratory irritation.

**Symptoms/Injuries After Skin Contact:** May cause skin irritation.

**Symptoms/Injuries After Eye Contact:** Causes serious eye irritation. Symptoms may include: Redness, pain, swelling, itching, burning, tearing, and blurred vision.

**Symptoms/Injuries After Ingestion:** May cause damage to organs (optic nerve (nervus opticus), central nervous system). Ingestion is likely to be harmful or have adverse effects. This material contains methanol, which, when ingested, may cause acidosis and ocular toxicity ranging from diminished visual capacity to complete blindness, and possible death.

**Chronic Symptoms:** None expected under normal conditions of use.

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

#### **LD50 and LC50 Data:**

|                                    |                                   |
|------------------------------------|-----------------------------------|
| <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>Methanol (67-56-1)</b>          |                                   |
| 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>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) |

#### **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                                             |

## SECTION 12: ECOLOGICAL INFORMATION

### **Toxicity**

|                                    |                                                                               |
|------------------------------------|-------------------------------------------------------------------------------|
| <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>Methanol (67-56-1)</b>          |                                                                               |
| LC50 Fish 1                        | 15400 mg/l                                                                    |
| EC50 Daphnia 1                     | 1340 mg/l                                                                     |
| <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)            |

### **Persistence and Degradability**

|                               |                  |
|-------------------------------|------------------|
| <b>95% Reagent Alcohol</b>    |                  |
| Persistence and Degradability | Not established. |

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|                                      |                  |
|--------------------------------------|------------------|
| <b>Ethyl alcohol (64-17-5)</b>       |                  |
| <b>Persistence and Degradability</b> | Not established. |
| <b>Bioaccumulative Potential</b>     |                  |
| <b>95% Reagent Alcohol</b>           |                  |
| <b>Bioaccumulative Potential</b>     | Not established. |
| <b>Ethyl alcohol (64-17-5)</b>       |                  |
| <b>Log Pow</b>                       | -0.32            |
| <b>Bioaccumulative Potential</b>     | Not established. |
| <b>Isopropyl alcohol (67-63-0)</b>   |                  |
| <b>Log Pow</b>                       | 0.05 (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) : Ethanol solutions  
Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120  
Hazard Labels (DOT) : 3 - Flammable liquid



Packing Group (DOT) : II - Medium 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

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## Safety Data Sheet

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### 14.3. Additional Information

Emergency Response Guide (ERG) : 127  
Number

#### 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>95% Reagent Alcohol</b>                                                                                                                       |                                                                                       |
| <b>SARA Section 311/312 Hazard Classes</b>                                                                                                       | Immediate (acute) health hazard<br>Delayed (chronic) health hazard<br>Fire hazard     |
| <b>Ethyl alcohol (64-17-5)</b>                                                                                                                   |                                                                                       |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory                                                                        |                                                                                       |
| <b>Isopropyl alcohol (67-63-0)</b>                                                                                                               |                                                                                       |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Subject to reporting requirements of 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)     |

### US State Regulations

|                                                                                                                                                                                                                                    |                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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. Ethyl Alcohol is included on the Proposition 65 list when it is used in alcoholic beverages.        |
| <b>U.S. - California - Proposition 65 - Developmental Toxicity</b>                                                                                                                                                                 | WARNING: This product contains chemicals known to the State of California to cause birth defects. Ethyl Alcohol is included on the Proposition 65 list when it is used in alcoholic beverages. |
| <b>Ethyl alcohol (64-17-5)</b>                                                                                                                                                                                                     |                                                                                                                                                                                                |
| U.S. - Massachusetts - Right To Know List<br>U.S. - New Jersey - Right to Know Hazardous Substance List<br>U.S. - Pennsylvania - RTK (Right to Know) List                                                                          |                                                                                                                                                                                                |
| <b>Isopropyl alcohol (67-63-0)</b>                                                                                                                                                                                                 |                                                                                                                                                                                                |
| U.S. - Massachusetts - Right To Know List<br>U.S. - New Jersey - Right to Know Hazardous Substance List<br>U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List<br>U.S. - Pennsylvania - RTK (Right to Know) List |                                                                                                                                                                                                |

### Canadian Regulations

|                             |                                                                                                                                                                                                              |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>95% Reagent Alcohol</b>  |                                                                                                                                                                                                              |
| <b>WHMIS Classification</b> | 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 B Division 2 - Flammable Liquid |

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### 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 |
|----------------------|------------------------------------------------------------------------------------------------------------------------|

### Methanol (67-56-1)

|                      |                                                                                                                                                                                                                              |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 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 |
|----------------------|------------------------------------------------------------------------------------------------------------------------|

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.

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

Revision Date : 06/26/2019

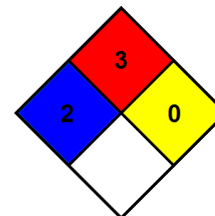
Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

### GHS Full Text Phrases:

|                                 |                                                             |
|---------------------------------|-------------------------------------------------------------|
| Acute Tox. 3 (Dermal)           | Acute toxicity (dermal) Category 3                          |
| Acute Tox. 3 (Inhalation:vapor) | Acute toxicity (inhalation:vapor) Category 3                |
| Acute Tox. 3 (Oral)             | Acute toxicity (oral) Category 3                            |
| Eye Irrit. 2A                   | Serious eye damage/eye irritation Category 2A               |
| Flam. Liq. 2                    | Flammable liquids Category 2                                |
| STOT SE 1                       | Specific target organ toxicity (single exposure) Category 1 |
| STOT SE 2                       | Specific target organ toxicity (single exposure) Category 2 |
| STOT SE 3                       | Specific target organ toxicity (single exposure) Category 3 |
| H225                            | Highly flammable liquid and vapor                           |
| H301                            | Toxic if swallowed                                          |
| H311                            | Toxic in contact with skin                                  |
| H319                            | Causes serious eye irritation                               |
| H331                            | Toxic if inhaled                                            |
| H336                            | May cause drowsiness or dizziness                           |
| H370                            | Causes damage to organs                                     |
| H371                            | May cause damage to organs                                  |

**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.



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**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

*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