



Centre Anti-Poison pour le Québec: (800) 463-5060

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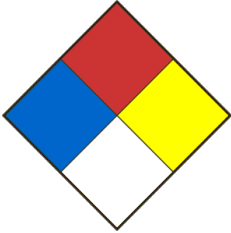
## SAFETY DATA SHEET

### SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

|   |                                    |   |   |
|---|------------------------------------|---|---|
| Product Identifier<br>TITRATION SOLVENT D5776     |                                    | Product Use<br>Laboratory use               |   |
| Chemical formula<br>-                             |                                    | Product code<br>DS-5776                     | Molar weight                              |
| Chemical name / Commercial name / Synonymous<br>- |                                    |   |   |
| Supplier's name<br>Laboratoire MAT                |                                    | Address-Street<br>610, Adanac Street        |   |
| City<br>Québec                                    |                                    | Province<br>Québec                          |   |
| Postal code<br>G1C 7B7                            | Internet<br>www.labmat.com         | Phone number<br>418-660-8666 / 800-890-8666 |   |
| Emergency phone                                   | CANUTEC: 613-996-6666              |   | CENTRE ANTI-POISON DU QUÉBEC 800-463-5060 |
| Date SDS<br>4/16/2019                             | SDS Prepared by<br>Laboratoire MAT | E-Mail<br>labmat@labmat.com                 |   |

## SECTION 02 - HAZARDS IDENTIFICATION

|                                     |   |
|-------------------------------------|---|
| <b>Classification WHIMS / GHS</b>   | <p>Flammable liquids category 3</p> <p>Corrosive to metals-Category 1</p> <p>Serious eye damage/eye irritation - Serious eye damage category 1</p> <p>Reproductive toxicity category 1B</p> <p>Specific Target Organ Toxicity - Single exposure category 1</p> <p>Acute toxicity - Dermal category 3</p> <p>Acute toxicity - Inhalation category 3</p> <p>Skin corrosion/irritation - Skin corrosion category 1</p>   |
| <b>Signal Word</b>                  | <p>DANGER</p>   |
| <b>Hazards statements (H)</b>       | <p>H226 Flammable liquid and vapour.</p> <p>H290 May be corrosive to metals.</p> <p>H318 Causes serious eye damage.</p> <p>H311 Toxic in contact with skin.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H331 Toxic if inhaled.</p> <p>H360 May damage fertility or the unborn child.</p> <p>H370 Causes damage to organs..</p>  |
| <b>Precautionary statements (P)</b> | <p>P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.</p> <p>P233 Keep container tightly closed.</p> <p>P234 Keep only in original container.</p> <p>P240 Ground/bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical/ventilating/lighting equipment.</p> <p>P242 Use only non-sparking tools.</p> <p>P243 Take precautionary measures against static discharge.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310 Immediately call a POISON CENTER or doctor/physician.</p> <p>P370 + P378 In case of fire: Use water spray or alcohol-resistant foam, or dry powder or carbon dioxide for extinction.</p> <p>P390 Absorb spillage to prevent material damage.</p> <p>P403 + P235 Store in a well-ventilated place. Keep cool.</p> <p>P406 Store in a corrosion resistant container / or a container with corrosion resistant liner.</p> <p>P501 Dispose of contents/container in accordance with local / regional / national / international regulations or contact a specialist waste disposal company.</p> <p>P201 Obtain special instructions before use.</p> <p>P202 Do not handle until all safety precautions have been read and understood.</p> <p>P260 Do not breathe dust / fume / gas / mist / vapours / spray.</p> <p>P261 Avoid breathing dust / fume / gas / mist / vapours / spray.</p> <p>P264 Wash the areas of the body that have been in contact with the product after handling.</p> <p>P270 Do no eat, drink or smoke when using this product.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.</p> <p>P302 + P352 IF ON SKIN: Wash with plenty of soap and water.</p> <p>P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.</p> <p>P308 + P311 IF exposed or concerned: Call a POISON CENTER or a doctor.</p> <p>P308 + P313 IF exposed or concerned: Get medical advice/attention.</p> <p>P311 Call a POISON CENTER or doctor/physician.</p> <p>P312 Call a POISON CENTER or doctor/physician if you feel unwell.</p> |

|   |   |
|---|---|
|   | P321 Specific treatment (see section 4 of the SDS and on this label).<br>P361 + P364 Take off immediately all contaminated clothing and wash it before reuse.<br>P363 Wash contaminated clothing before reuse.<br>P403 + P233 Store in a well-ventilated place. Keep container tightly closed.<br>P405 Store locked up. |
| <b>PICTOGRAMS</b>   |    |
| <b>Other dangers</b>  | NFPA (Risk: 0=No risk; 1=Slight; 2=Moderate; 3=Signifiant; 4=Extreme)   |
|  | <b>Health</b> 2<br><b>Fire</b> 3<br><b>Reactivity</b> 1<br><b>Special danger</b>  |

### SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

| Ingrédients (Dénomination chimique / synonymes) | Numéro CAS et tout identificateur unique | Concentration (%) |
|---|--|-------------------|
| Acide acétique glacial                          | 64-19-7                                  | 74                |
| 1-méthyle-2-pyrrolidinone                       | 872-50-4                                 | 14                |
| Métanol   | 67-56-1                                  | 10                |
| Acide sulfurique                                | 7664-93-9                                | 1                 |
| Eau   | 7732-18-5                                | Balance           |

### SECTION 04 - FIRST AID MEASURES

|  |  |
|--|--|
| <b>Eye contact</b>   | Wash eyes with large amounts of water for at least 15 minutes while holding eyelids apart to rinse eyes. If irritation persists, seek medical attention. |
| <b>Skin contact</b>  | Wash skin with plenty of water for at least 15 minutes. Remove soiled clothing. If irritation persists, seek medical attention.                          |
| <b>Inhalation</b>  | Move the unwell person to the fresh air. If breathing is difficult, give oxygen. Consult a physician.  |
| <b>Ingestion</b>   | If the person is conscious, give water to drink. Never give anything by mouth to an unconscious person. Consult a physician.                             |
| <b>Most important symptoms and effects (acute and delayed)</b>         | Ref. section 11.   |
| <b>Immediate medical attention and special treatment, if necessary</b> | In case of medical consultation, keep this sheet available.  |
| <b>General advice</b>  | Show this safety data sheet to the doctor in attendance.   |

### SECTION 05 - FIREFIGHTING MEASURES

|  |   |
|--|---|
| <b>Flammability</b>  | Yes   |
| <b>Ignition conditions</b>   | Heat, sparks and open flame.  |
| <b>Suitable extinguishing media</b>                                  | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  |
| <b>Unsuitable extinguishing media</b>                                | Data not available.   |
| <b>Hazardous combustion / decomposition products</b>                 | Hazardous decomposition products formed under fire conditions. Carbon oxides. - nitrogen oxides (NOx), Sulphur oxides   |
| <b>Special fire and explosion hazards</b>                            | Moderate fire hazard in the presence of heat or flame. May react violently with incompatible products (Ref Section 10).   |
| <b>Special protective equipment and precautions for firefighters</b> | Discard incompatible substances if this can be done without risk. Firefighters should be equipped with standard protective equipment, fireproof clothing, face mask, gloves, protective boots and, where appropriate, self-contained breathing apparatus. |

## SECTION 06 - ACCIDENTAL RELEASE MEASURES

|  |  |
|--|--|
| <b>Methods and materials for containment and cleaning up /<br/>Personnel precautions, protective equipment</b> | Evacuate personnel to safe areas. Cut off all sources of ignition. Ensure a good ventilation of the premises. When handling, wear appropriate safety equipment. Use a respirator as needed. Absorb residues with vermiculite or other absorbents. Dilute residues with water, clean and rinse. Dispose of residues in a container provided for the disposal of hazardous materials. Do not let product enter drains. |
|--|--|

## SECTION 07 - HANDLING AND STORAGE

|                                    |  |
|------------------------------------|--|
| <b>Conditions for safe storage</b> | Store in a cool, dry place. Store in a well-ventilated area. Keep container tightly closed and store away from heat, water, moisture, and incompatible products. Keep away from sources of ignition - No smoking. Take measures to prevent the accumulation of electrostatic charges. Protect from the sun's rays. |
| <b>Methods of handling</b>         | Keep away from sources of ignition - No smoking. Avoid inhalation of vapour or mist. Wear personal protective equipment when handling. Always ensure good ventilation. Transport according to TDG (ref Section 14)   |

## SECTION 08 - EXPOSURE CONTROLS/PERSONAL PROTECTION

### Workplace control parameters

| Components             | CAS-No.  | Value              | Control parameters               | Basis   |
|------------------------|----------|--------------------|----------------------------------|---|
| Acetic acid            | 64-19-7  | TWA                | 10.000000 ppm<br>25.000000 mg/m3 | Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)   |
|                        |          | STEL               | 15.000000 ppm<br>37.000000 mg/m3 | Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)   |
|                        |          | TWA                | 10.000000 ppm                    | Canada. British Columbia OEL  |
|                        |          | STEL               | 15.000000 ppm                    | Canada. British Columbia OEL  |
|                        |          | TWAEV              | 10.000000 ppm<br>25.000000 mg/m3 | Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants |
|                        |          | STEV               | 15.000000 ppm<br>37.000000 mg/m3 | Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants |
|                        |          | TWA                | 10 ppm<br>25 mg/m3               | Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)   |
|                        |          | STEL               | 15 ppm<br>37 mg/m3               | Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)   |
|                        |          | TWA                | 10 ppm                           | Canada. British Columbia OEL  |
|                        |          | STEL               | 15 ppm                           | Canada. British Columbia OEL  |
|                        |          | TWAEV              | 10 ppm<br>25 mg/m3               | Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants |
|                        |          | STEV               | 15 ppm<br>37 mg/m3               | Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants |
|                        |          | TWA                | 10.000000 ppm                    | USA. ACGIH Threshold Limit Values (TLV)   |
|                        |          | STEL               | 15.000000 ppm                    | USA. ACGIH Threshold Limit Values (TLV)   |
|                        |          | TWA                | 10 ppm                           | USA. ACGIH Threshold Limit Values (TLV)   |
|                        |          | STEL               | 15 ppm                           | USA. ACGIH Threshold Limit Values (TLV)   |
| Components             | CAS-No.  | Control parameters | Value                            | Basis   |
| N-methyl-2-pyrrolidone | 872-50-4 | TWAEV              | 400.000000 mg/m3                 | Canada. Ontario OELs  |
|                        |          | TWA                | 400.000000 mg/m3                 | Ontario Table of Occupational Exposure Limits made under the Occupational Health and Safety Act.  |
|                        |          | TLV, TWA, STEL     | No data available                | Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)   |
|                        |          | TLV, TWA, STEL     | No data available                | Canada. British Columbia OEL  |
|                        |          | TLV, TWA, STEL     | No data available                | Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants |

| Components | CAS-No.   | Value | Control parameters                 | Basis   |
|------------|---|-------|------------------------------------|---|
| Methanol   | 67-56-1   | TWA   | 200.000000 ppm<br>262.000000 mg/m3 | Canada. Alberta, Occupational Health and Safety Code (table 2: OEL) |
| Remarks    | Substance may be readily absorbed through intact skin |       |                                    |   |
|            |   | STEL  | 250.000000 ppm<br>328.000000 mg/m3 | Canada. Alberta, Occupational Health and Safety Code (table 2: OEL) |

|  |  |              |                                    |   |
|--|--|--------------|------------------------------------|---|
|  | Substance may be readily absorbed through intact skin  |              |                                    |   |
|  |  | TWA          | 200.000000 ppm                     | Canada. British Columbia OEL  |
| Contributes significantly to the overall exposure by the skin route. |  |              |                                    |   |
|  |  | STEL         | 250.000000 ppm                     | Canada. British Columbia OEL  |
| Contributes significantly to the overall exposure by the skin route. |  |              |                                    |   |
|  |  | TWAEV        | 200.000000 ppm<br>262.000000 mg/m3 | Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants |
| Skin (percutaneous)  |  |              |                                    |   |
|  |  | STEV         | 250.000000 ppm<br>328.000000 mg/m3 | Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants |
| Skin (percutaneous)  |  |              |                                    |   |
|  |  | TWA          | 200.000000 ppm                     | USA. ACGIH Threshold Limit Values (TLV)   |
|  |  | STEL         | 250.000000 ppm                     | USA. ACGIH Threshold Limit Values (TLV)   |
| <b>Components</b>  | <b>CAS-No.</b>   | <b>Value</b> | <b>Control parameters</b>          | <b>Basis</b>  |
| Sulfuric acid  | 7664-93-9  | TWA          | 0.2 mg/m3                          | Canada. British Columbia OEL  |
| Remarks  | ACGIH 'A2' applies to those substances that are considered suspected human carcinogens. IARC '1' applies to substances categorized as carcinogenic to humans, and used when there is sufficient evidence of carcinogenicity in humans. |              |                                    |   |
|  |  | TWAEV        | 0.2 mg/m3                          | Canada. Ontario OELs  |
|  |  | STEV         | 3 mg/m3                            | Canada. Ontario OELs  |
|  |  | STEL         | 3 mg/m3                            | Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)   |
|  |  | TWA          | 1 mg/m3                            | Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)   |

|  |  |      |                       |   |
|--|--|------|-----------------------|---|
|  |  | TWA  | 1 mg/m <sup>3</sup>   | Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants |
|  |  | STEL | 3 mg/m <sup>3</sup>   | Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants |
|  |  | TWA  | 0.2 mg/m <sup>3</sup> | USA. ACGIH Threshold Limit Values (TLV)   |

|                            |  |
|----------------------------|--|
| <b>Data source</b>         | Sigma-Aldrich (Millipore Sigma)  |
| <b>Ventilation</b>         | Fan.   |
| <b>Respiratory</b>         | If work under the hood is not possible, or if the permissible levels are exceeded, use a mechanical filter / cartridge against NIOSH vapors or a respirator with air supply.                   |
| <b>Gloves</b>              | Handle with gloves.  |
| <b>Eyes</b>                | Safety goggles with safety shutters.   |
| <b>Shoes</b>               | Safety shoes.  |
| <b>Clothing</b>            | Labcoat. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.                                     |
| <b>Engineering control</b> | Have safety showers and eyewash stations in the workplace in case of an emergency and a ventilation system to maintain the level of concentrations in the air below the exposure limit values. |

## SECTION 10 - STABILITY AND REACTIVITY

|  |   |
|--|---|
| <b>Reactivity</b>  | Non-reactive under normal conditions.   |
| <b>Chemical stability</b>  | Stable under recommended storage conditions.  |
| <b>Possibility of hazardous reactions</b>  | May react violently with incompatible substances. Keep away from open flames, hot surfaces and sources of ignition.   |
| <b>Conditions of instability (Including sensitivity to shock / static discharge / vibration)</b> | Heat, flames, sparks. Avoid contact with incompatible materials and extreme temperatures.   |
| <b>Incompatible material</b>   | When pure, the products react with the following products: Strong oxidizing agents (chromic acid, nitric acid, peroxides, chlorates and perchlorates), bases, alcohols, carbonates, hydroxides, oxides, phosphates, 5-azidotetrazole, bromine pentafluoride, chromium trioxide, hydrogen peroxide, potassium permanganate, sodium peroxide, phosphorus trichloride, heat and moisture. Water, metals, alcohols, reducing agents, bases, organic and combustible materials, azides, bromates, carbides, chlorates, chromates, cyanides, ferrocyanides, fulminates, glycerides, halides, nitrates, nitrites, permanganates, perchlorates, picrates, sulphides, hydrogen peroxide, nitromethane, phosphorus, heat and moisture. Strong oxidizing agents (nitric acid, perchloric acid, peroxides, chlorates and perchlorates), reducing agents (potassium, sodium, metal hydrides), heat and moisture. Acids, Oxidants, Acid Chlorides, Acid Anhydrides, Alkali Metals, Reducing Agents. |
| <b>Hazardous decomposition products</b>  | Hazardous decomposition products formed under fire conditions. Carbon oxides. - nitrogen oxides (NOx). - Sulphur oxides. To our knowledge, the products of decomposition have not been fully studied.   |

## SECTION 11 - TOXICOLOGICAL INFORMATION

### ACETIC ACID, GLACIAL

|  |  |
|--|--|
| <b>Routes of exposure</b>                        | Ingestion, inhalation, skin and eyes.  |
| <b>Acute exposition effects / symptoms:</b>      | By exposure route below.   |
| <b>- Eyes</b>                                    | Severe burns and destruction of ocular tissue that can lead to corneal ulceration and blindness.   |
| <b>- Skin</b>                                    | Severe burns and tissue ulcerations. May be fatal, if the extent of the burns is considerable.   |
| <b>- Inhalation</b>                              | Spasms, irritation and inflammation of the nose, throat and lungs. Edema of the larynx and bronchi. Chemical pneumonitis and pulmonary edema that can lead to death.   |
| <b>Acute toxicity (Ingestion)</b>                | Corrosion and ulceration of the mouth, throat, esophagus, stomach and abdominal wall. Dysphagia, kidney damage, bloody diarrhea and vomiting, diaphoresis, intense thirst, shock, circulatory collapse, unconsciousness, coma and can lead to death. |
| <b>Chronic exposure effects / symptoms</b>       | Burning sensation, conjunctivitis, hyperkeratosis, nervous disorders, chest pain, dental erosion, cough, dyspnea, laryngitis, headache, dizziness, diarrhea, asthenia, irritability, weight loss and loss of appetite, nausea and vomiting.          |
| <b>DL50 (specify species and route of entry)</b> | LD50 Oral - Rat - 3,530 mg/kg. LD50 Dermal - Rabbit - 1060 mg/kg   |
| <b>CL50 (specify species and route of entry)</b> | LC50 Inhalation - Rat -4h - 11.4 mg/L (4400 ppm - 4 h) LC50 Inhalation - Mouse- 1hre - 5620 ppm  |

### METHANOL

|  |   |
|--|---|
| <b>Routes of exposure</b>                        | Ingestion, inhalation, skin and eyes.   |
| <b>Acute exposition effects / symptoms:</b>      | By exposure route below.  |
| <b>- Eyes</b>                                    | May cause eye irritation.   |
| <b>- Skin</b>                                    | Irritation and dermatitis.  |
| <b>- Inhalation</b>                              | Irritation of the mucous membranes and respiratory tract. Narcotic effects, chest pain, cough, dyspnea, headache, dizziness, watery eyes, paresthesia, nystagmus, drowsiness, confusion, nausea and vomiting.   |
| <b>Acute toxicity (Ingestion)</b>                | Irritation of the mucous membranes. Narcotic effects, liver, kidney and eye damage, abdominal pain, cramps, diarrhea, headache, dizziness, paresthesia, nystagmus, drowsiness, incoordination, acidosis, nausea and vomiting, seizures, hypotension, respiratory collapse, loss of consciousness, coma and can lead to death. Acute absorption of methanol can cause blindness. Damage to: liver, kidneys, eyes, heart, central nervous system. |
| <b>Chronic exposure effects / symptoms</b>       | Headache, dizziness, nausea, visual disturbances, decreased visual acuity, liver and kidney damage.   |
| <b>DL50 (specify species and route of entry)</b> | LD50 Oral - Rat - 1187 mg/kg LD50 Dermal - Lapin-15840 mg/kg  |
| <b>CL50 (specify species and route of entry)</b> | LC50 Inhalation - Rat: 64000 ppm/4 h. LC50 Inhalation - Rat 115.9-130.7mg/L air / 4h.   |

## 1-METHYLE-2-PYRROLIDONE

|  |   |
|--|---|
| <b>Routes of exposure</b>                        | Ingestion, inhalation, skin and eyes.   |
| <b>Acute exposition effects / symptoms:</b>      | By exposure route below.  |
| <b>- Eyes</b>                                    | Irritation and may cause inflammation of the conjunctiva.   |
| <b>- Skin</b>                                    | Irritation and dermatitis.  |
| <b>- Inhalation</b>                              | Irritation of the mucous membranes and respiratory tract. Nervous disorders, cough, dyspnea, headache, dizziness, drowsiness, nausea and vomiting.  |
| <b>Acute toxicity (Ingestion)</b>                | Irritation of the mucous membranes. Gastrointestinal disorders, cramps, diarrhea, headache, dizziness, drowsiness, seizures, nausea and vomiting.   |
| <b>Chronic exposure effects / symptoms</b>       | Burning sensation, dermatitis, conjunctivitis, nervous disorders, chest pain, cough, dyspnoea, laryngitis, headache, dizziness, drowsiness, asthenia, weight loss and loss of appetite, nausea and vomiting. Prolonged exposure may cause reproductive abnormalities in humans. |
| <b>DL50 (specify species and route of entry)</b> | LD50 Oral - Rat - 3914 mg/kg. LD50 Dermal - Rabbit - >5000mg/kg   |
| <b>CL50 (specify species and route of entry)</b> | LC50 Inhalation - Rat - 4h - 5.1 mg/L.  |

## SULFURIC ACID

|  |   |
|--|---|
| <b>Routes of exposure</b>                        | Ingestion, inhalation, skin and eyes.   |
| <b>Acute exposition effects / symptoms:</b>      | By exposure route below.  |
| <b>- Eyes</b>                                    | Severe burns and corrosion of ocular tissue that may lead to corneal ulceration and blindness.  |
| <b>- Skin</b>                                    | Severe burns and tissue ulcerations. May be fatal, if the extent of the burns is considerable.  |
| <b>- Inhalation</b>                              | Spasms, irritation and inflammation of the nose, throat and lungs. Edema of the larynx and bronchi. Chemical pneumonitis and pulmonary edema that can lead to death.  |
| <b>Acute toxicity (Ingestion)</b>                | Corrosion and ulceration of the mouth, throat, esophagus, stomach and abdominal wall. Dysphagia, kidney damage, abdominal pain, cramps, diarrhea, melena, hematemesis, anuria, possible perforation of the esophagus and stomach, convulsions, salivation, stupor, circulatory collapse, unconsciousness, coma and can lead to death .    |
| <b>Chronic exposure effects / symptoms</b>       | Burning sensation, dermatitis and dyschromia, conjunctivitis, lung and eye damage, chest pain, digestive disorders, tooth abrasion, cough, dyspnea, laryngitis, emphysema, tracheobronchitis, headache, dizziness, fever, salivation tremors, paleness, muscle weakness, weight loss and loss of appetite, seizures, nausea and vomiting. |
| <b>DL50 (specify species and route of entry)</b> | LD50 Oral - Rat - 2,140 mg/kg LD50 Dermal - Data not available.   |
| <b>CL50 (specify species and route of entry)</b> | LC50 Inhalation - Mouse - 4h - 850 mg/m3  |

## SUMMARY

|   |   |
|---|---|
| <b>Acute exposure effects / Symptoms:</b>   | By exposure routes below.   |
| <b>Ingestion</b>                            | To our knowledge, the product has not been fully evaluated  |
| <b>Inhalation</b>                           | To our knowledge, the product has not been fully evaluated  |
| <b>Skin</b>                                 | To our knowledge, the product has not been fully evaluated  |
| <b>Eyes</b>                                 | To our knowledge, the product has not been fully evaluated  |
| <b>Chronic exposure effects / Symptoms:</b> | To our knowledge, the product has not been fully evaluated  |
| <b>ETA Mix (Estimated Acute Toxicity)</b>   | LD50 Oral: 2869 mg/kg - Rat<br>LD50 Dermal: 1370 mg/kg - Rabbit<br>LC50 Inhalation: 10.1 mg/L- 4h - Undefined species |

## SECTION 12 - ECOLOGICAL INFORMATION

|   |    |
|---|----|
| <b>Available ecological information</b> | No |
|---|----|

## SECTION 13 - DISPOSAL CONSIDERATIONS

|                               |  |
|-------------------------------|--|
| <b>Waste Disposal Method</b>  | Dispose of contents / container in accordance with local / regional / national / international regulations / or contact a specialist waste disposal company. |
| <b>Contaminated Packaging</b> | Dispose of as unused product.  |

## SECTION 14 - TRANSPORT INFORMATION

|                                   |   |
|-----------------------------------|---|
| <b>UN Number</b>                  | 3286  |
| <b>UN Proper shipping name</b>    | LIQUIDE INFLAMMABLE, TOXIQUE, CORROSIF, N.S.A.                        |
| <b>Transport hazard class(es)</b> | 3 Flammable liquids<br>6.1 Toxic substances<br>8 Corrosive substances |
| <b>Packing group</b>              | II  |
| <b>Limited quantity index</b>     | 1L  |
| <b>ERAP Index</b>                 | -   |
| <b>Special precautions</b>        | 16 (Méthanol, acide acétique, acide sulfurique)                       |

## SECTION 15 - REGULATORY INFORMATION

|                     |  |
|---------------------|--|
| <b>WHIMS CANADA</b> | Flammable liquids category 3<br>Corrosive to metals-Category 1<br>Serious eye damage/eye irritation - Serious eye damage category 1<br>Reproductive toxicity category 1B<br>Specific Target Organ Toxicity - Single exposure category 1<br>Acute toxicity - Dermal category 3<br>Acute toxicity - Inhalation category 3<br>Skin corrosion/irritation - Skin corrosion category 1 |
|---------------------|--|

## SECTION 16 - OTHER INFORMATION

### Further information

The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. It does not represent any guarantee of the properties of the product. Laboratoire MAT Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

Last Update: 4/16/2019