

## 1. Product and Company Identification

|                                      |                                                                                                                              |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Product identifier</b>            | <b>Green Treat Activator</b>                                                                                                 |
| <b>Other means of identification</b> | Not available                                                                                                                |
| <b>Recommended use</b>               | Neutralizer/Oxidizer                                                                                                         |
| <b>Recommended restrictions</b>      | None known.                                                                                                                  |
| <b>Manufacturer information</b>      | maxill Inc.<br>80 Elm Street<br>St. Thomas, ON N5R 6C8 CA<br>Phone: 519-631-7370<br>Fax: 519-631-3388<br>Website: maxill.com |
| <b>Supplier</b>                      | See above.                                                                                                                   |
| <b>Emergency Response Number</b>     | ChemTel: 1-800-255-3924, outside US and Canada, 1-813-248-0585<br>CANUTEC: 613-996-6666                                      |

## 2. Hazards Identification

|                                   |                                                 |                                         |
|-----------------------------------|-------------------------------------------------|-----------------------------------------|
| <b>Physical hazards</b>           | Oxidizing liquids                               | Category 1                              |
|                                   | Corrosive to metals                             | Category 1                              |
| <b>Health hazards</b>             | Acute toxicity, oral                            | Category 4                              |
|                                   | Skin corrosion/irritation                       | Category 1                              |
|                                   | Serious eye damage/eye irritation               | Category 1                              |
|                                   | Specific target organ toxicity, single exposure | Category 3 respiratory tract irritation |
| <b>Environmental hazards</b>      | Not classified                                  |                                         |
| <b>WHMIS 2015 defined hazards</b> | Not classified                                  |                                         |
| <b>Label elements</b>             |                                                 |                                         |



**Signal word** Danger

**Hazard statement**  
May cause fire or explosion; strong oxidizer.  
May be corrosive to metals.  
Harmful if swallowed.  
Causes severe skin burns and eye damage.  
May cause respiratory irritation.

### Precautionary statement

#### Prevention

Keep only in original packaging.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Keep away from clothing and other combustible materials.  
Do not breathe mist or vapor.  
Do not eat, drink or smoke when using this product.  
Use only outdoors or in a well-ventilated area.  
Wash thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.

#### Response

In case of fire: Use appropriate media to extinguish.  
In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.  
Absorb spillage to prevent material-damage.  
IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER/doctor. Specific treatment (see information on this label).  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

|                                                                        |                                                                                                                                                                                     |
|------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>                                                         | Store in a corrosion resistant container with a resistant inner liner.<br>Store in a well-ventilated place. Keep container tightly closed.<br>Store separately.<br>Store locked up. |
| <b>Disposal</b>                                                        | Dispose of contents/container in accordance with local/regional/national/international regulations.                                                                                 |
| <b>WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC)</b>   | None known                                                                                                                                                                          |
| <b>WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)</b> | None known                                                                                                                                                                          |
| <b>Hazard(s) not otherwise classified (HNOC)</b>                       | None known.                                                                                                                                                                         |
| <b>Supplemental information</b>                                        | None.                                                                                                                                                                               |

### 3. Composition/Information on Ingredients

#### Mixture

| Chemical name       | Common name and synonyms | CAS number | %  |
|---------------------|--------------------------|------------|----|
| Hydrogen peroxide   |                          | 7722-84-1  | 23 |
| Acetic acid         |                          | 64-19-7    | 10 |
| Ethaneperoxoic acid |                          | 79-21-0    | 5  |

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### 4. First Aid Measures

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>                                         | IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.                                                                                                                                                                                                                                                                                          |
| <b>Skin contact</b>                                       | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER/doctor. Specific treatment (see information on this label). IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.                                                                                                     |
| <b>Eye contact</b>                                        | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.                                                                                                                                                                                                                                    |
| <b>Ingestion</b>                                          | If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.                                                                                                                                                                                                                                                                                                     |
| <b>Most important symptoms/effects, acute and delayed</b> | Burning pain and severe corrosive skin damage.<br>Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.<br>May cause respiratory irritation.                                                                                                                                                      |
| <b>General information</b>                                | If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Take off all contaminated clothing immediately. Wash contaminated clothing before reuse. Keep out of reach of children. |

### 5. Fire Fighting Measures

|                                                                      |                                                                                                                                                        |
|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>                                  | Alcohol resistant foam. Powder. Carbon dioxide (CO2).                                                                                                  |
| <b>Unsuitable extinguishing media</b>                                | Not available.                                                                                                                                         |
| <b>Specific hazards arising from the chemical</b>                    | Greatly increases the burning rate of combustible materials. Containers may explode when heated. During fire, gases hazardous to health may be formed. |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.                                                          |
| <b>Fire-fighting equipment/instructions</b>                          | In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.                                   |
| <b>Specific methods</b>                                              | Use standard firefighting procedures and consider the hazards of other involved materials.                                                             |
| <b>General fire hazards</b>                                          | May cause fire or explosion; strong oxidizer. Contact with combustible material may cause fire.                                                        |
| <b>Hazardous combustion products</b>                                 | May include and are not limited to:                                                                                                                    |

## 6. Accidental Release Measures

|                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not breathe the mist or vapor. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.                                                                                                                                                                                                                                                                                                                                                       |
| <b>Methods and materials for containment and cleaning up</b>               | Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb spillage to prevent material damage. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Never return spills in original containers for re-use. Clean surface thoroughly to remove residual contamination. Following product recovery, flush area with water. Prevent entry into waterways, sewer, basements or confined areas. For waste disposal, see section 13 of the SDS. |
| <b>Environmental precautions</b>                                           | Do not discharge into lakes, streams, ponds or public waters.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## 7. Handling and Storage

|                                                                     |                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Precautions for safe handling</b>                                | Keep away from heat.<br>Do not get in eyes, on skin, or on clothing.<br>Wear appropriate personal protective equipment.<br>Do not breathe mist or vapor.<br>Provide adequate ventilation.<br>Do not taste or swallow.<br>Observe good industrial hygiene practices.<br>Wash thoroughly after handling.<br>When using, do not eat, drink or smoke. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store locked up.<br>Store in corrosive resistant container with a resistant inner liner.<br>Store in a cool, dry place out of direct sunlight.<br>Store away from incompatible materials (see Section 10 of the SDS).<br>Keep out of reach of children.                                                                                           |

## 8. Exposure Controls/Personal Protection

### Occupational exposure limits

#### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

| Components                        | Type | Value     |
|-----------------------------------|------|-----------|
| Acetic acid (CAS 64-19-7)         | STEL | 37 mg/m3  |
|                                   |      | 15 ppm    |
|                                   | TWA  | 25 mg/m3  |
| Hydrogen peroxide (CAS 7722-84-1) | TWA  | 10 ppm    |
|                                   |      | 1.4 mg/m3 |
|                                   |      | 1 ppm     |

#### Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

| Components                        | Type | Value  |
|-----------------------------------|------|--------|
| Acetic acid (CAS 64-19-7)         | STEL | 15 ppm |
|                                   | TWA  | 10 ppm |
| Hydrogen peroxide (CAS 7722-84-1) | TWA  | 1 ppm  |
|                                   |      |        |

#### Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

| Components                        | Type | Value   | Form                          |
|-----------------------------------|------|---------|-------------------------------|
| Acetic acid (CAS 64-19-7)         | STEL | 15 ppm  | Inhalable fraction and vapor. |
|                                   | TWA  | 10 ppm  |                               |
| Ethaneperoxoic acid (CAS 79-21-0) | STEL | 0.4 ppm |                               |
| Hydrogen peroxide (CAS 7722-84-1) | TWA  | 1 ppm   |                               |

#### Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

| Components                | Type | Value  |
|---------------------------|------|--------|
| Acetic acid (CAS 64-19-7) | STEL | 15 ppm |
|                           | TWA  | 10 ppm |

**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)**

| Components                        | Type | Value |
|-----------------------------------|------|-------|
| Hydrogen peroxide (CAS 7722-84-1) | TWA  | 1 ppm |

**Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)**

| Components                        | Type | Value     |
|-----------------------------------|------|-----------|
| Acetic acid (CAS 64-19-7)         | STEL | 37 mg/m3  |
|                                   |      | 15 ppm    |
|                                   | TWA  | 25 mg/m3  |
| Hydrogen peroxide (CAS 7722-84-1) | TWA  | 10 ppm    |
|                                   |      | 1.4 mg/m3 |
|                                   |      | 1 ppm     |

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

| Components                        | Type | Value     |
|-----------------------------------|------|-----------|
| Acetic acid (CAS 64-19-7)         | PEL  | 25 mg/m3  |
|                                   |      | 10 ppm    |
| Hydrogen peroxide (CAS 7722-84-1) | PEL  | 1.4 mg/m3 |
|                                   |      | 1 ppm     |

**US. ACGIH Threshold Limit Values**

| Components                        | Type | Value   | Form                          |
|-----------------------------------|------|---------|-------------------------------|
| Acetic acid (CAS 64-19-7)         | STEL | 15 ppm  | Inhalable fraction and vapor. |
|                                   | TWA  | 10 ppm  |                               |
| Ethaneperoxoic acid (CAS 79-21-0) | STEL | 0.4 ppm |                               |
| Hydrogen peroxide (CAS 7722-84-1) | TWA  | 1 ppm   |                               |

**US. NIOSH: Pocket Guide to Chemical Hazards**

| Components                        | Type | Value     |
|-----------------------------------|------|-----------|
| Acetic acid (CAS 64-19-7)         | STEL | 37 mg/m3  |
|                                   |      | 15 ppm    |
|                                   | TWA  | 25 mg/m3  |
| Hydrogen peroxide (CAS 7722-84-1) | TWA  | 10 ppm    |
|                                   |      | 1.4 mg/m3 |
|                                   |      | 1 ppm     |

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls** Ensure adequate ventilation.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles) and a face shield.

**Skin protection**

**Hand protection** Rubber gloves. Confirm with a reputable supplier first.

**Other** As required by employer code.

**Respiratory protection** Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

**Thermal hazards** Not applicable.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. When using do not eat or drink.

**9. Physical and Chemical Properties**

|                       |                        |
|-----------------------|------------------------|
| <b>Appearance</b>     | Clear                  |
| <b>Physical state</b> | Liquid.                |
| <b>Form</b>           | Liquid.                |
| <b>Color</b>          | Clear                  |
| <b>Odor</b>           | Sharp, pungent, acetic |
| <b>Odor threshold</b> | Not available.         |

|                                                     |                                               |
|-----------------------------------------------------|-----------------------------------------------|
| <b>pH</b>                                           | 2.5 @ 1% solution                             |
| <b>Melting point/freezing point</b>                 | Not available.                                |
| <b>Initial boiling point and boiling range</b>      | > 200 °F (> 93.33 °C)                         |
| <b>Pour point</b>                                   | Not available.                                |
| <b>Specific gravity</b>                             | Not available.                                |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.                                |
| <b>Flash point</b>                                  | Not available.                                |
| <b>Evaporation rate</b>                             | Not available.                                |
| <b>Flammability (solid, gas)</b>                    | Not applicable.                               |
| <b>Upper/lower flammability or explosive limits</b> |                                               |
| <b>Flammability limit - lower (%)</b>               | Not available.                                |
| <b>Flammability limit - upper (%)</b>               | Not available.                                |
| <b>Explosive limit - lower (%)</b>                  | Not available.                                |
| <b>Explosive limit - upper (%)</b>                  | Not available.                                |
| <b>Vapor pressure</b>                               | Not available.                                |
| <b>Vapor density</b>                                | Not available.                                |
| <b>Relative density</b>                             | Not available.                                |
| <b>Solubility(ies)</b>                              | Not available.                                |
| <b>Auto-ignition temperature</b>                    | Not available.                                |
| <b>Decomposition temperature</b>                    | Not available.                                |
| <b>Viscosity</b>                                    | Not available.                                |
| <b>Other information</b>                            |                                               |
| <b>Density</b>                                      | 1.12 @ 25C                                    |
| <b>Explosive properties</b>                         | Not explosive.                                |
| <b>Oxidizing properties</b>                         | May cause fire or explosion; strong oxidizer. |

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## 10. Stability and Reactivity

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|                                           |                                                       |
|-------------------------------------------|-------------------------------------------------------|
| <b>Reactivity</b>                         | May react with incompatible materials.                |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization does not occur.              |
| <b>Chemical stability</b>                 | Unstable.                                             |
| <b>Conditions to avoid</b>                | Heat. Do not mix with other chemicals.                |
| <b>Incompatible materials</b>             | Strong oxidizing agents. Reducing agents. Metals.     |
| <b>Hazardous decomposition products</b>   | May include and are not limited to: Oxides of carbon. |

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## 11. Toxicological Information

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|                                                                                     |                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Routes of exposure</b>                                                           | Eye, Skin contact, Inhalation, Ingestion.                                                                                                                                                                                                               |
| <b>Information on likely routes of exposure</b>                                     |                                                                                                                                                                                                                                                         |
| <b>Ingestion</b>                                                                    | Harmful if swallowed. May cause stomach distress, nausea or vomiting.                                                                                                                                                                                   |
| <b>Inhalation</b>                                                                   | May cause irritation to the respiratory system. Prolonged inhalation may be harmful.                                                                                                                                                                    |
| <b>Skin contact</b>                                                                 | Causes severe skin burns.                                                                                                                                                                                                                               |
| <b>Eye contact</b>                                                                  | Causes serious eye damage.                                                                                                                                                                                                                              |
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | Burning pain and severe corrosive skin damage.<br>Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.<br>May cause respiratory irritation. |
| <b>Information on toxicological effects</b>                                         |                                                                                                                                                                                                                                                         |
| <b>Acute toxicity</b>                                                               | In high concentrations, vapors are anesthetic and may cause headache, fatigue, dizziness and central nervous system effects.<br>Harmful if swallowed.<br>May cause respiratory irritation.                                                              |

| Components                               | Species                                                   | Test Results       |  |  |
|------------------------------------------|-----------------------------------------------------------|--------------------|--|--|
| Acetic acid (CAS 64-19-7)                |                                                           |                    |  |  |
| <b>Acute</b>                             |                                                           |                    |  |  |
| <i>Dermal</i>                            |                                                           |                    |  |  |
| LD50                                     | Guinea pig                                                | 3300 mg/kg         |  |  |
|                                          | Rabbit                                                    | 1112 mg/kg         |  |  |
|                                          |                                                           | 1060 mg/kg         |  |  |
| <i>Inhalation</i>                        |                                                           |                    |  |  |
| LC50                                     | Guinea pig                                                | 5000 ppm, 1 Hours  |  |  |
|                                          | Mouse                                                     | 5620 ppm, 1 Hours  |  |  |
|                                          |                                                           | 2810 ppm, 4 Hours  |  |  |
|                                          |                                                           | 6.9 mg/l/4h        |  |  |
|                                          | Rat                                                       | 11.4 mg/L, 4 Hours |  |  |
| <i>Oral</i>                              |                                                           |                    |  |  |
| LD50                                     | Mouse                                                     | 4960 mg/kg         |  |  |
|                                          | Rabbit                                                    | 1200 mg/kg         |  |  |
|                                          | Rat                                                       | 3530 mg/kg         |  |  |
| Ethaneperoxoic acid (CAS 79-21-0)        |                                                           |                    |  |  |
| <b>Acute</b>                             |                                                           |                    |  |  |
| <i>Dermal</i>                            |                                                           |                    |  |  |
| LD50                                     | Rabbit                                                    | 1410 mg/kg         |  |  |
| <i>Inhalation</i>                        |                                                           |                    |  |  |
| LC50                                     | Rat                                                       | 450 mg/m3          |  |  |
| <i>Oral</i>                              |                                                           |                    |  |  |
| LD50                                     | Guinea pig                                                | 10 mg/kg           |  |  |
|                                          | Mouse                                                     | 210 mg/kg          |  |  |
|                                          | Rat                                                       | 1540 mg/kg         |  |  |
| Hydrogen peroxide (CAS 7722-84-1)        |                                                           |                    |  |  |
| <b>Acute</b>                             |                                                           |                    |  |  |
| <i>Dermal</i>                            |                                                           |                    |  |  |
| LD50                                     | Rabbit                                                    | 2000 mg/kg         |  |  |
|                                          | Rat                                                       | 2000 mg/kg         |  |  |
| <i>Inhalation</i>                        |                                                           |                    |  |  |
| LC50                                     | Not available                                             |                    |  |  |
| <i>Oral</i>                              |                                                           |                    |  |  |
| LD50                                     | Mouse                                                     | 2000 mg/kg         |  |  |
|                                          | Rat                                                       | 75 mg/kg           |  |  |
| <b>Skin corrosion/irritation</b>         | Causes severe skin burns and eye damage.                  |                    |  |  |
| <b>Exposure minutes</b>                  | Not available.                                            |                    |  |  |
| <b>Erythema value</b>                    | Not available.                                            |                    |  |  |
| <b>Oedema value</b>                      | Not available.                                            |                    |  |  |
| <b>Serious eye damage/eye irritation</b> | Causes serious eye damage.                                |                    |  |  |
| <b>Corneal opacity value</b>             | Not available.                                            |                    |  |  |
| <b>Iris lesion value</b>                 | Not available.                                            |                    |  |  |
| <b>Conjunctival reddening value</b>      | Not available.                                            |                    |  |  |
| <b>Conjunctival oedema value</b>         | Not available.                                            |                    |  |  |
| <b>Recover days</b>                      | Not available.                                            |                    |  |  |
| <b>Respiratory or skin sensitization</b> |                                                           |                    |  |  |
| <b>Canada - Alberta OELs: Irritant</b>   |                                                           |                    |  |  |
| Hydrogen peroxide (CAS 7722-84-1)        | Irritant                                                  |                    |  |  |
| <b>Respiratory sensitization</b>         | Not a respiratory sensitizer.                             |                    |  |  |
| <b>Skin sensitization</b>                | This product is not expected to cause skin sensitization. |                    |  |  |

|                                                                           |                                                                                                                  |                                                                                          |
|---------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <b>Mutagenicity</b>                                                       | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |                                                                                          |
| <b>Carcinogenicity</b>                                                    | See below.                                                                                                       |                                                                                          |
| <b>ACGIH Carcinogens</b>                                                  |                                                                                                                  |                                                                                          |
| Ethaneperoxy acid (CAS 79-21-0)                                           |                                                                                                                  | A4 Not classifiable as a human carcinogen.                                               |
| Hydrogen peroxide (CAS 7722-84-1)                                         |                                                                                                                  | A3 Confirmed animal carcinogen with unknown relevance to humans.                         |
| <b>Canada - Manitoba OELs: carcinogenicity</b>                            |                                                                                                                  |                                                                                          |
| HYDROGEN PEROXIDE (CAS 7722-84-1)                                         |                                                                                                                  | Confirmed animal carcinogen with unknown relevance to humans.                            |
| PERACETIC ACID, INHALABLE FRACTION AND VAPOR (CAS 79-21-0)                |                                                                                                                  | Not classifiable as a human carcinogen.                                                  |
| <b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>             |                                                                                                                  |                                                                                          |
| Hydrogen peroxide (CAS 7722-84-1)                                         |                                                                                                                  | Volume 36, Supplement 7, Volume 71 - 3 Not classifiable as to carcinogenicity to humans. |
| <b>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b> |                                                                                                                  |                                                                                          |
| Not listed.                                                               |                                                                                                                  |                                                                                          |
| <b>Reproductive toxicity</b>                                              | This product is not expected to cause reproductive or developmental effects.                                     |                                                                                          |
| <b>Teratogenicity</b>                                                     | Not available.                                                                                                   |                                                                                          |
| <b>Specific target organ toxicity - single exposure</b>                   | May cause respiratory irritation.                                                                                |                                                                                          |
| <b>Specific target organ toxicity - repeated exposure</b>                 | Not classified.                                                                                                  |                                                                                          |
| <b>Aspiration hazard</b>                                                  | Not an aspiration hazard.                                                                                        |                                                                                          |
| <b>Chronic effects</b>                                                    | Prolonged inhalation may be harmful.                                                                             |                                                                                          |

## 12. Ecological Information

|                                      |                                                            |                                |                     |
|--------------------------------------|------------------------------------------------------------|--------------------------------|---------------------|
| <b>Ecotoxicity</b>                   | See below                                                  |                                |                     |
| <b>Ecotoxicological data</b>         |                                                            |                                |                     |
| <b>Components</b>                    |                                                            | <b>Species</b>                 | <b>Test Results</b> |
| Acetic acid (CAS 64-19-7)            |                                                            |                                |                     |
| Crustacea                            | EC50                                                       | Daphnia                        | 47 mg/L, 48 Hours   |
| <b>Aquatic</b>                       |                                                            |                                |                     |
| Fish                                 | LC50                                                       | Bluegill (Lepomis macrochirus) | 75 mg/L, 96 hours   |
| Hydrogen peroxide (CAS 7722-84-1)    |                                                            |                                |                     |
| Algae                                | IC50                                                       | Algae                          | 2.5 mg/L, 72 Hours  |
| Crustacea                            | EC50                                                       | Daphnia                        | 7.7 mg/L, 48 Hours  |
| <b>Persistence and degradability</b> | No data is available on the degradability of this product. |                                |                     |
| <b>Bioaccumulative potential</b>     |                                                            |                                |                     |
| <b>Mobility in soil</b>              |                                                            |                                |                     |
| <b>Mobility in general</b>           | No data available.                                         |                                |                     |
| <b>Other adverse effects</b>         | Not available.                                             |                                |                     |

## 13. Disposal Considerations

|                                              |                                                                                                                                                                                                            |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Disposal instructions</b>                 | Dispose of contents/container in accordance with local/regional/national/international regulations.                                                                                                        |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.                                                                                                                                                     |
| <b>Hazardous waste code</b>                  | D002: Waste Corrosive material [pH ≤2 or ≥12.5, or corrosive to steel]<br>The waste code should be assigned in discussion between the user, the producer and the waste disposal company.                   |
| <b>Waste from residues / unused products</b> | Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).                                            |
| <b>Contaminated packaging</b>                | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. |

## 14. Transport Information

|                                                                   |                                                                                                                                                                                               |
|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Transport of Dangerous Goods (TDG) Proof of Classification</b> | In accordance with Part 2.2.1 (SOR/2014-152) of the Transportation of Dangerous Goods Regulations, we certify that the classification of this product is correct as of the SDS date of issue. |
|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## U.S. Department of Transportation (DOT)

### Basic shipping requirements:

|                         |                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| UN number               | UN3149                                                                                                                        |
| Proper shipping name    | Hydrogen peroxide and peroxyacetic acid mixtures, stabilized with acids, water, and not more than 5 percent peroxyacetic acid |
| Hazard class            | 5.1                                                                                                                           |
| Subsidiary hazard class | 8                                                                                                                             |
| Packing group           | II                                                                                                                            |
| Special provisions      | 145, A2, A3, A6, B53, IB2, IP5, T7, TP2, TP6, TP24                                                                            |

## Transportation of Dangerous Goods (TDG - Canada)

### Basic shipping requirements:

|                         |                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------|
| UN number               | UN3149                                                                                                                 |
| Proper shipping name    | HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE with acid(s), water and not more than 5% peroxyacetic acid, STABILIZED |
| Hazard class            | 5.1                                                                                                                    |
| Subsidiary hazard class | 8                                                                                                                      |
| Packing group           | II                                                                                                                     |

## DOT



## TDG



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## 15. Regulatory Information

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**Canadian federal regulations** This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

### Export Control List (CEPA 1999, Schedule 3)

Not listed.

### Greenhouse Gases

Not listed.

### Precursor Control Regulations

Not regulated.

**WHMIS 2015 Exemptions** Controlled

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

### CERCLA Hazardous Substance List (40 CFR 302.4)

|                                   |         |
|-----------------------------------|---------|
| Acetic acid (CAS 64-19-7)         | Listed. |
| Ethaneperoxoic acid (CAS 79-21-0) | Listed. |

### US EPCRA Section 304 Extremely Haz. Subs. & CERCLA Haz. Subs.: Section 304 EHS reportable quantity

|                                   |          |
|-----------------------------------|----------|
| Ethaneperoxoic acid (CAS 79-21-0) | 500 LBS  |
| Hydrogen peroxide (CAS 7722-84-1) | 1000 LBS |

### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - Yes  
Delayed Hazard - Yes  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - Yes

**SARA 302 Extremely hazardous substance** No

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**

| Chemical name       | CAS number | % by wt. |
|---------------------|------------|----------|
| Ethaneperoxoic acid | 79-21-0    | 5        |

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Ethaneperoxoic acid (CAS 79-21-0)

**US state regulations** See below**US - California Hazardous Substances (Director's): Listed substance**

Acetic acid (CAS 64-19-7) Listed.

Hydrogen peroxide (CAS 7722-84-1) Listed.

**US - Illinois Chemical Safety Act: Listed substance**

Acetic acid (CAS 64-19-7)

Ethaneperoxoic acid (CAS 79-21-0)

Hydrogen peroxide (CAS 7722-84-1)

**US - Louisiana Spill Reporting: Listed substance**

Acetic acid (CAS 64-19-7) Listed.

Ethaneperoxoic acid (CAS 79-21-0) Listed.

**US - Minnesota Haz Subs: Listed substance**

Acetic acid (CAS 64-19-7) Listed.

Hydrogen peroxide (CAS 7722-84-1) Listed.

**US - New Jersey RTK - Substances: Listed substance**

Acetic acid (CAS 64-19-7)

Ethaneperoxoic acid (CAS 79-21-0)

Hydrogen peroxide (CAS 7722-84-1)

**US - North Carolina Toxic Air Pollutants: Listed substance**

Acetic acid (CAS 64-19-7)

**US - Texas Effects Screening Levels: Listed substance**

Acetic acid (CAS 64-19-7) Listed.

Ethaneperoxoic acid (CAS 79-21-0) Listed.

Hydrogen peroxide (CAS 7722-84-1) Listed.

**US. Massachusetts RTK - Substance List**

Acetic acid (CAS 64-19-7)

Ethaneperoxoic acid (CAS 79-21-0)

Hydrogen peroxide (CAS 7722-84-1)

**US. New Jersey Worker and Community Right-to-Know Act**

Ethaneperoxoic acid (CAS 79-21-0)

Hydrogen peroxide (CAS 7722-84-1)

**US. Pennsylvania Worker and Community Right-to-Know Law**

Acetic acid (CAS 64-19-7)

Ethaneperoxoic acid (CAS 79-21-0)

Hydrogen peroxide (CAS 7722-84-1)

**US. Rhode Island RTK**

Acetic acid (CAS 64-19-7)

Ethaneperoxoic acid (CAS 79-21-0)

Hydrogen peroxide (CAS 7722-84-1)

**US. California Proposition 65**

Not Listed.

**Inventory status**

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|----------------------|----------------|------------------------|
|----------------------|----------------|------------------------|

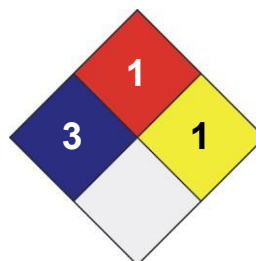
| Country(s) or region        | Inventory name                                | On inventory (yes/no)* |
|-----------------------------|-----------------------------------------------|------------------------|
| Canada                      | Non-Domestic Substances List (NDSL)           | No                     |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

## 16. Other Information

| LEGEND   |   |
|----------|---|
| Severe   | 4 |
| Serious  | 3 |
| Moderate | 2 |
| Slight   | 1 |
| Minimal  | 0 |

|                     |   |   |
|---------------------|---|---|
| HEALTH              | * | 3 |
| FLAMMABILITY        |   | 1 |
| PHYSICAL HAZARD     |   | 1 |
| PERSONAL PROTECTION |   | X |



### Disclaimer

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

### Issue date

23-February-2017

### Version #

01

### Effective date

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### Other information

For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.