1. Product and Company Identification

Product identifier: lotus® PRO
Other means of identification: Ozonated Water
Recommended use: Not available.
Recommended restrictions: None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer
Company name: Tersano Inc.
Address: 5000 Regal Drive
Oldcastle, ON N0R 1A0
Canada
Telephone: 1-800-808-1723 (Toll-Free)
Website: www.tersano.com
E-mail: wecare@tersano.com
Emergency phone number: 1-800-808-1723 (Toll-Free)

2. Hazards Identification

Physical hazards: Not classified.
Health hazards: Not classified.
Environmental hazards: Not classified.
OSHA defined hazards: Not classified.

Label elements

Hazard symbol: None.
Signal word: None.
Hazard statement: The mixture does not meet the criteria for classification.
Precautionary statement
Prevention: Observe good industrial hygiene practices.
Response: Not applicable.
Storage: Not applicable.
Disposal: No special precautions required.

Hazard(s) not otherwise classified (HNOC): None known.
Supplemental information: Not applicable.

3. Composition/Information on Ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td></td>
<td>7732-18-5</td>
<td>&gt;99.99</td>
</tr>
<tr>
<td>Ozone</td>
<td></td>
<td>10028-15-6</td>
<td>&lt;0.01</td>
</tr>
</tbody>
</table>

4. First Aid Measures

Inhalation: Not applicable.
Skin contact: Not applicable.
Eye contact: Not applicable.
Ingestion: Not applicable.

Most important symptoms/effects, acute and delayed: This material is not expected to be harmful.
Indication of immediate medical attention and special treatment needed
Treat symptomatically.

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire Fighting Measures

Suitable extinguishing media
Not applicable, non-combustible.

Unsuitable extinguishing media
Not available.

Specific hazards arising from the chemical
Not a fire hazard. The product itself does not burn.

Special protective equipment and precautions for firefighters
None (non-combustible).

Fire-fighting equipment/instructions
Not applicable.

Specific methods
Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards
Not a fire hazard.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures
No special precautions are necessary beyond normal good hygiene practices. See Section 8 of the SDS for additional personal protection advice when handling this product.

Methods and materials for containment and cleaning up
Stop source of leak if possible. Wipe or mop up liquid, if any, and dispose properly.

Environmental precautions
None necessary.

7. Handling and Storage

Precautions for safe handling
Use according to package label instructions.

Conditions for safe storage, including any incompatibilities
Store in original tightly closed container.

8. Exposure Controls/Personal Protection

Occupational exposure limits

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

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ozone (CAS 10028-15-6)</td>
<td>PEL</td>
<td>0.2 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.1 ppm</td>
</tr>
</tbody>
</table>

US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ozone (CAS 10028-15-6)</td>
<td>TWA</td>
<td>0.05 ppm</td>
</tr>
</tbody>
</table>

US. NIOSH: Pocket Guide to Chemical Hazards

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ozone (CAS 10028-15-6)</td>
<td>Ceiling</td>
<td>0.2 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.1 ppm</td>
</tr>
</tbody>
</table>

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

Exposure guidelines
See above

Appropriate engineering controls
None known.

Individual protection measures, such as personal protective equipment

Eye/face protection
Not normally needed. Follow standard industrial hygiene practices.

Skin protection

Hand protection
Not normally needed. Follow standard industrial hygiene practices.

Other
As required by employer code.

Respiratory protection
Not normally required.

Thermal hazards
None known.

General hygiene considerations
General industrial hygiene practice.
### 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear</td>
</tr>
<tr>
<td>Physical state</td>
<td>Liquid.</td>
</tr>
<tr>
<td>Form</td>
<td>Liquid.</td>
</tr>
<tr>
<td>Color</td>
<td>Colorless</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not available.</td>
</tr>
<tr>
<td>pH</td>
<td>5 - 7* (lifetime average)(1% Solution)</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>32 °F (0 °C)</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>212 °F (100 °C)</td>
</tr>
<tr>
<td>Pour point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flash point</td>
<td>none</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td></td>
</tr>
<tr>
<td>Flammability limit - lower (%)</td>
<td>not applicable</td>
</tr>
<tr>
<td>Flammability limit - upper (%)</td>
<td>not applicable</td>
</tr>
<tr>
<td>Explosive limit - lower (%)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Explosive limit - lower (%) temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Explosive limit - upper (%)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Explosive limit - upper (%) temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>2.3 kPa (@ 20°C)</td>
</tr>
<tr>
<td>Vapor density</td>
<td>0.62 (Air = 1)</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not available.</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Other information</td>
<td></td>
</tr>
<tr>
<td>Density</td>
<td>1.00 g/cm3</td>
</tr>
<tr>
<td>Molecular formula</td>
<td>H2O + O3</td>
</tr>
<tr>
<td>Molecular weight</td>
<td>18.02 g/mol</td>
</tr>
</tbody>
</table>

### 10. Stability and Reactivity

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactivity</td>
<td>None known.</td>
</tr>
<tr>
<td>Possibility of hazardous reactions</td>
<td>No dangerous reaction known under conditions of normal use.</td>
</tr>
<tr>
<td>Chemical stability</td>
<td>Material is stable under normal conditions.</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>None known.</td>
</tr>
<tr>
<td>Incompatible materials</td>
<td>None known.</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>No hazardous decomposition products are known.</td>
</tr>
</tbody>
</table>

### 11. Toxicological Information

<table>
<thead>
<tr>
<th>Route of Exposure</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingestion</td>
<td>Expected to be a low ingestion hazard.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No adverse effects due to inhalation are expected.</td>
</tr>
</tbody>
</table>
Skin contact: No adverse effects due to skin contact are expected.

Eye contact: Health injuries are not known or expected under normal use.

Symptoms related to the physical, chemical and toxicological characteristics:
There are no hazards associated with this product in normal use.

Information on toxicological effects

Acute toxicity

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ozone (CAS 10028-15-6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Not available</td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Not available</td>
<td></td>
</tr>
<tr>
<td>Water (CAS 7732-18-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Inhalation</td>
<td>Not available</td>
</tr>
<tr>
<td>LC50</td>
<td>Not available</td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Oral</td>
<td>14500 mg/kg</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Not expected to be a primary skin irritant.

Exposure minutes: Not available.

Erythema value: Not available.

Oedema value: Not available.

Serious eye damage/eye irritation: No adverse effects due to eye contact are expected.

Corneal opacity value: Not available.

Iris lesion value: Not available.

Conjunctival reddening value: Not available.

Conjunctival oedema value: Not available.

Recover days: Not available.

Respiratory or skin sensitization:

Respiratory sensitization: Not available.

Skin sensitization: This product is not expected to cause skin sensitization.

Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity: This product is not considered to be a carcinogen by IARC, NTP, or OSHA.


Reproductive toxicity: This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure: Not classified.

Specific target organ toxicity - repeated exposure: Not classified.

Aspiration hazard: Not available.

Chronic effects: Not available.

Further information: This product has no known adverse effect on human health.

12. Ecological Information

Ecotoxicity: See below
### Components

<table>
<thead>
<tr>
<th>Ozone (CAS 10028-15-6)</th>
</tr>
</thead>
</table>

### Aquatic

| Fish | LC50 | Rainbow trout, donaldson trout (Oncorhynchus mykiss) | 0.008 - 0.011 mg/l, 96 hours |

#### Persistence and degradability
- Not applicable.

#### Bioaccumulative potential
- Not applicable.

#### Mobility in soil
- Not applicable.

#### Mobility in general
- Not available.

#### Other adverse effects
- No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal Considerations

#### Disposal instructions
- Same as water.

#### Local disposal regulations
- See above

#### Hazardous waste code
- Not regulated.

#### Waste from residues / unused products
- Not regulated.

#### Contaminated packaging
- Cleaned containers may be recycled.

### 14. Transport Information

#### U.S. Department of Transportation (DOT)
- Not regulated as dangerous goods.

### 15. Regulatory Information

#### US federal regulations

- **TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**
  - Not regulated.

- **CERCLA Hazardous Substance List (40 CFR 302.4)**
  - Not listed.

- **US EPCRA Section 304 Extremely Haz. Subs. & CERCLA Haz. Subs.: Section 304 EHS reportable quantity**
  - Ozone (CAS 10028-15-6): 100 LBS

  - Not listed.

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

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

  - **SARA 302 Extremely hazardous substance**
    - No

  - **SARA 311/312 Hazardous chemical**
    - No

  - **SARA 313 (TRI reporting)**
    - Not regulated.

#### 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)**
  - Not regulated.

- **Safe Drinking Water Act (SDWA)**
  - Not regulated.

- **Food and Drug Administration (FDA)**
  - Not regulated.

#### US state regulations

- **California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):** This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

- **US - California Hazardous Substances (Director's): Listed substance**
US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance
Not listed.

Ozone (CAS 10028-15-6) Listed.

US - Minnesota Haz Subs: Listed substance
Ozone (CAS 10028-15-6) Listed.

US - New Jersey RTK - Substances: Listed substance
Ozone (CAS 10028-15-6) Listed.

Ozone (CAS 10028-15-6) Listed.

Ozone (CAS 10028-15-6) Listed.

US. Massachusetts RTK - Substance List
Ozone (CAS 10028-15-6) Listed.

US. Pennsylvania RTK - Hazardous Substances
Ozone (CAS 10028-15-6) Listed.

US. Rhode Island RTK
Ozone (CAS 10028-15-6) Listed.

Country(s) or region Inventory name On inventory (yes/no)*
United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

16. Other Information

LEGEND

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

The information in the sheet was written based on the best knowledge and experience currently available. 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
17-December-2014

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

Other information
This Safety Data Sheet was prepared to comply with the current OSHA Hazard Communication Standard (HCS) adoption of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

Prepared by
Dell Tech Laboratories Ltd. Phone: (519) 858-5021