
1. Product and Company Identification

| | |
|--------------------------------------|--|
| Product identifier | Tersano lotus® PRO SAO Dispenser & iClean™ mini |
| Other means of identification | Ozonated Water |
| Recommended use | Not available. |
| Recommended restrictions | None known. |
| Manufacturer information | Tersano Inc. 3440 North Talbot Road Oldcastle, ON N0R 1A0 CA Phone 1-800-808-1723 (Toll-Free) Website: www.tersano.com Email: wecare@tersano.com Emergency phone: 1-800-808-1723 (Toll-Free) |
| Supplier | See above. |

2. Hazards Identification

| | |
|--|--|
| Physical hazards | Not classified. |
| Health hazards | Not classified. |
| Environmental hazards | Not classified. |
| WHMIS 2015 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. |
| WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC) | None known |
| WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC) | None known |
| Hazard(s) not otherwise classified (HNOC) | None known. |
| Supplemental information | Not applicable. |

3. Composition/Information on Ingredients

| Mixture | | | |
|----------------------|---------------------------------|-------------------|----------|
| Chemical name | Common name and synonyms | CAS number | % |
| Water | | 7732-18-5 | >99.99 |
| Ozone | | 10028-15-6 | <0.01 |

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

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. |
| General information | 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. |
| Hazardous combustion products | No hazardous decomposition products are known. |

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

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

| Components | Type | Value |
|------------------------|------|-----------------------|
| Ozone (CAS 10028-15-6) | STEL | 0.6 mg/m ³ |
| | | 0.3 ppm |
| | TWA | 0.2 mg/m ³ |
| | | 0.1 ppm |

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

| Components | Type | Value |
|------------------------|------|----------|
| Ozone (CAS 10028-15-6) | TWA | 0.05 ppm |

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

| Components | Type | Value |
|------------------------|------|----------|
| Ozone (CAS 10028-15-6) | TWA | 0.05 ppm |

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

| Components | Type | Value |
|------------------------|------|-----------------------|
| Ozone (CAS 10028-15-6) | STEL | 0.6 mg/m ³ |
| | | 0.3 ppm |
| | TWA | 0.2 mg/m ³ |
| | | 0.1 ppm |

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

| Components | Type | Value |
|------------------------|---------|----------------------------------|
| Ozone (CAS 10028-15-6) | Ceiling | 0.2 mg/m ³ 0.1 ppm |

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

| Components | Type | Value |
|------------------------|------|----------------------------------|
| Ozone (CAS 10028-15-6) | PEL | 0.2 mg/m ³ 0.1 ppm |

US. ACGIH Threshold Limit Values

| Components | Type | Value |
|------------------------|------|----------|
| Ozone (CAS 10028-15-6) | TWA | 0.05 ppm |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value |
|------------------------|---------|----------------------------------|
| Ozone (CAS 10028-15-6) | Ceiling | 0.2 mg/m ³ 0.1 ppm |

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

| | |
|---|--|
| Appearance | Clear |
| Physical state | Liquid. |
| Form | Liquid. |
| Color | Colorless |
| Odor | Odorless. No fragrance added. |
| Odor threshold | Not available. |
| pH | SAO-24 & iClean mini: 3.0 to 6.0; SAO-4: 5.0 to 6.0; No cartridge: 7* (lifetime average)(1% Solution) |
| Melting point/freezing point | 32 °F (0 °C) |
| Initial boiling point and boiling range | 212 °F (100 °C) |
| Pour point | Not available. |
| Specific gravity | 1 |
| Partition coefficient (n-octanol/water) | Not available. |
| Flash point | None |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not applicable. |
| Upper/lower flammability or explosive limits | |
| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
| Explosive limit - lower (%) | Not available. |
| Explosive limit - lower (%) temperature | Not applicable |
| Explosive limit - upper (%) | Not available. |

| | |
|--|-----------------------------------|
| Explosive limit - upper (%) temperature | Not applicable |
| Vapor pressure | 2.3 kPa (@ 20°C) |
| Vapor density | 0.62 (Air = 1) |
| Relative density | Not available. |
| Solubility(ies) | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not applicable |
| Viscosity | Not available. |
| Other information | |
| Density | 1.00 g/cm ³ |
| Molecular formula | H ₂ O + O ₃ |
| Molecular weight | 18.02 g/mol |

10. Stability and Reactivity

| | |
|---|---|
| Reactivity | None known. |
| Possibility of hazardous reactions | No dangerous reaction known under conditions of normal use. |
| Chemical stability | Material is stable under normal conditions. |
| Conditions to avoid | None known. |
| Incompatible materials | None known. |
| Hazardous decomposition products | No hazardous decomposition products are known. |

11. Toxicological Information

Information on likely routes of exposure

| | |
|---------------------|---|
| Ingestion | Expected to be a low ingestion hazard. |
| Inhalation | No adverse effects due to inhalation are expected. |
| 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

| Components | Species | Test Results |
|------------------------|---------------|--------------|
| Ozone (CAS 10028-15-6) | | |
| Acute | | |
| <i>Inhalation</i> | | |
| LC50 | Not available | |
| <i>Oral</i> | | |
| LD50 | Not available | |
| Water (CAS 7732-18-5) | | |
| LC50 | | |
| <i>Inhalation</i> | | |
| LC50 | Not available | |
| LD50 | | |
| <i>Oral</i> | Rat | 14500 mg/kg |

| | |
|--|---|
| 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. |
| 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. |
| US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) | |
| | Not listed. |
| Reproductive toxicity | This product is not expected to cause reproductive or developmental effects. |
| Teratogenicity | Not available. |
| Specific target organ toxicity - single exposure | Not classified. |
| Specific target organ toxicity - repeated exposure | Not classified. |
| Aspiration hazard | Not available. |

12. Ecological Information

| | | | |
|--------------------------------------|---|---|------------------------------|
| Ecotoxicity | See below | | |
| Ecotoxicological data | | | |
| Components | | Species | Test Results |
| Ozone (CAS 10028-15-6) | | | |
| 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

| | |
|---|---|
| Transport of Dangerous Goods (TDG) Proof of Classification | 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) | |
| | Not regulated as dangerous goods. |
| Transportation of Dangerous Goods (TDG - Canada) | |
| | Not regulated as dangerous goods. |

15. Regulatory Information

| | |
|-------------------------------------|--|
| 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. |
|-------------------------------------|--|

Canada CEPA Schedule I: Listed substance

Ozone (CAS 10028-15-6) Listed.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

WHMIS 2015 Exemptions Not applicable

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

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

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.

US state regulations

US - California Hazardous Substances (Director's): Listed substance

Ozone (CAS 10028-15-6) Listed.

US - Illinois Chemical Safety Act: Listed substance

Ozone (CAS 10028-15-6)

US - Minnesota Haz Subs: Listed substance

Ozone (CAS 10028-15-6) Listed.

US - New Jersey RTK - Substances: Listed substance

Ozone (CAS 10028-15-6)

US - New York Release Reporting: Acutely Hazardous Substances: Listed substance

Ozone (CAS 10028-15-6) Listed.

US. Massachusetts RTK - Substance List

Ozone (CAS 10028-15-6)

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

Ozone (CAS 10028-15-6)

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

Ozone (CAS 10028-15-6)

US. Rhode Island RTK

Ozone (CAS 10028-15-6)

US. California Proposition 65

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.

Inventory status

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|----------------------|--------------------------------|------------------------|
| Canada | Domestic Substances List (DSL) | No |

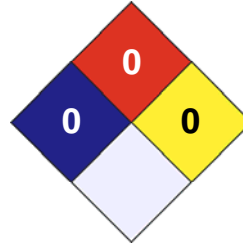
| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Canada | Non-Domestic Substances List (NDSL) | Yes |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*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 | / 0 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |
| PERSONAL PROTECTION | X |



Disclaimer

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.

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Other information

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