


SAFETY DATA SHEET (SDS)

Section 1. Identification

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| Product identifier | LORIS (Disinfectant Wipes) |
| Other means of identification | Category of product 401-00 |
| Recommended use and restrictions on use | Hard Surface Disinfectant (containing 94 % of water) |
| Initial supplier identifier | Lernapharm (Loris) Inc., 2323 Halpern, St-Laurent (Montreal) Québec, Canada H4S 1S3 Telephone: 514-331-4634 |
| Emergency telephone number/restriction on use | Canada – CANUTEC 24 hour number 613-996-6666 |

Section 2. Hazard identification

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| Classification of hazardous product (name of the category or subcategory of the hazard class) | |
| EYE IRRITATION - Category 2B SKIN IRRITATION – Category 3 | |
| Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory) | |
| Causes eye irritation Causes mild skin irritation | |
|  | |
| Keep out of reach of children | |
| Other hazards known | None |

Section 3. Composition/information on ingredients

| Chemical name (common name/synonyms) | CAS number or other | Concentration (%)* |
|---|----------------------------|---------------------------|
| Alkyl dimethyl benzyl ammonium chloride (C12-18) | 8001-54-5 | <1 % |
| Propane-1,2-diol | 57-55-6 | 1% |
| Alcohols, C13-15-branched and linear, ethoxylated | 157627-86-6 | <1 % |
| Tetrasodium EDTA | 64-02-8 | <0.5% |
| N,N-Dimethyldodecan-1-amine oxide | 1643-20-5 | <1 % |
| 2-propanol | 67-63-0 | <4% |
| Water | 7732-18-5 | >93% |

* Statement - This safety data sheet provides concentration range(s) instead of the actual concentration(s) considered trade secret(s).

Section 4. First-aid measures

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| Inhalation | Move to fresh air. If symptoms occur, get medical attention. |
| Skin contact | If on skin, rinse well with water. Wash hands thoroughly after handling with soap and water. If skin irritation persists, call a physician. |
| Eye contact | IF IN EYES: Rinse eyes with water for 5-10 minutes. Remove contact lenses, if present, then continue rinsing. |
| Ingestion | Call a physician or Poison Control Center immediately. Take product container or label with you when seeking medical help. |
| Most important symptoms and effects (acute or delayed) | None under normal condition of use. If occur, symptoms may include redness, oedema, drying and cracking of the skin. |
| Indication of immediate medical attention/special treatment | In all cases, call a doctor. Do not forget this document. |

Section 5. Fire-fighting measures

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| Specific hazards of the hazardous product (hazardous combustion products) | Carbon oxides and other irritant/toxic gases and fumes. |
| Suitable and unsuitable extinguishing media | In case of fire: Use carbon dioxide, chemical powder agent and appropriate foam to extinguish surrounding products. |
| Special protective equipment and precautions for fire-fighters | During a fire, irritating/toxic smoke and fumes may be generated. Do not enter fire area without proper protection. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece. Shield personnel to protect from venting, rupturing or bursting cans. Move containers from fire area if it can be done without risk. Water spray may be useful in cooling equipment and cans exposed to heat and flame. |

Section 6. Accidental release measures

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| Personal precautions, protective equipment and emergency procedures | Restrict access to area until completion of clean-up. Do not touch or walk through spilled material. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing (See Section 8). Ensure clean-up is conducted by trained personnel only. |
| Methods and materials for containment and cleaning up | Ventilate area of release. Stop the leak if it can be done safely. Contain and absorb any spilled liquid concentrate with inert absorbent material, then place material into a container for later disposal (See Section 13). Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required. Never return spills in original containers for re-use. |

Section 7. Handling and storage

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| Precautions for safe handling | | | |
| For external use only. Use according to package label instructions. Discard wipe after single use. Avoid contact with eyes. Use good industrial hygiene practices in handling this material. When using do not eat or drink. Food contact surfaces must be rinsed with potable water. Not intended for personal hygiene. Refer also to Section 8. | | | |
| Conditions for safe storage, including any incompatibilities | | | |
| Store in original container out of reach of children. Keep securely closed in a cool, well ventilated area. Do not reuse empty container. Rinse and discard or recycle. | | | |
| Section 8. Exposure controls/Personal protection | | | |
| Control parameters (biological limit values or exposure limit values and source of those values) | | | |
| Exposure limits: None | | | |
| Appropriate engineering controls | | | |
| General ventilation normally adequate. | | | |
| Individual protection measures/personal protective equipment | | | |
| Eye/Face: Avoid contact with eyes. Eye protection is recommended when handling the product. | | | |
| Hand protection: Wash hands thoroughly with soap and water after use. Protective gloves are recommended when handling the product. | | | |
| Skin and body protection: Do not get on skin or clothing. As required by employer code. | | | |
| Respiratory protection: Not normally required under the normal use conditions. | | | |
| Section 9. Physical and chemical properties | | | |
| Appearance, physical state/colour | Clear liquid | Vapour pressure | Not available |
| Odour | Characteristic | Vapour density | Heavier than air |
| Odour threshold | Not available | Relative density | 1.0 |
| pH | Not available | Solubility | Soluble |
| Melting/freezing point | Not available | Partition coefficient - n-octanol/water | Not available |
| Initial boiling point/range | Not available | Auto-ignition temperature | Not available |
| Flash point | Not available | Decomposition temperature | Not available |
| Evaporation rate | Not available | Viscosity | Not available |
| Flammability (solids and gases) | Not available | VOC | Not available |
| Upper and lower flammability/explosive limits | Not available | Other | None known |
| Section 10. Stability and reactivity | | | |
| Reactivity | | | |
| Does not react under the recommended storage and handling conditions prescribed. | | | |
| Chemical stability | | | |
| Stable under the recommended storage and handling conditions prescribed. | | | |
| Possibility of hazardous reactions | | | |
| None | | | |
| Conditions to avoid (static discharge, shock or vibration) | | | |
| Heat, open flames, static discharge, sparks and other sources of ignition. | | | |
| Incompatible materials | | | |
| Oxidizing materials; etc. | | | |
| Hazardous decomposition products | | | |
| None known | | | |
| Section 11. Toxicological information | | | |
| Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact) | | | |
| EYE: May cause eye irritation. | | | |
| SKIN: May cause mild skin irritation | | | |
| INHALATION: None under the normal conditions of use | | | |
| Symptoms related to the physical, chemical and toxicological characteristics | | | |
| If occur, symptoms may include redness, oedema, drying and cracking of the skin. | | | |
| Delayed and immediate effects (chronic effects from short-term and long-term exposure) | | | |
| The product is not expected to have chronic health effects. | | | |
| Numerical measures of toxicity (ATE; LD₅₀ & LC₅₀) | | | |
| No data available | | | |
| ATE not available in this document. | | | |
| Section 12. Ecological information | | | |
| Ecotoxicity (aquatic and terrestrial information) | No data available | | |
| Persistence and degradability | No data available | | |
| Bioaccumulative potential | No data available | | |
| Mobility in soil | No data available | | |
| Other adverse effects | No data available | | |
| Section 13. Disposal considerations | | | |



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| Information on safe handling for disposal/methods of disposal/contaminated packaging | |
| Dispose of contents/container into safe container in accordance with local, regional or national regulations. | |
| Section 14. Transport information | |
| UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations | |
| Not regulated | |
| UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime) | |
| Not regulated | |
| UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air) | |
| Not regulated | |
| Special precautions (transport/conveyance) | None |
| Environmental hazards (IMDG or other) | None |
| Bulk transport (usually more than 450 L in capacity) | Possible |
| Section 15. Regulatory information | |
| Safety/health Canadian regulations specifics | Refer to Section 2 for the appropriate classification. This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR). |
| Environmental Canadian regulations specifics | Refer to Section 3 for ingredient(s) of the DSL |
| Safety/health/environmental outside regulations specifics | None |
| Section 16. Other information | |
| Date of the latest revision of the safety data sheet | October 22, 2020 version 1 |
| Corrections | Section 1; 3; 4; 7; 8; 11; 12; |
| References | Safety Data Sheets from manufacturer/supplier & from Canadian Centre for Occupational Health and Safety, CCOHS. |
| Abbreviations | |
| ACGIH | American Conference of Governmental Industrial Hygienists |
| ATE | Acute toxicity estimate |
| CAS | Chemical Abstract Service |
| DSL | Domestic Substance List |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods Code |
| LC | Lethal concentration |
| LD | Lethal Dosage |
| NIOSH | National Institute for Occupational Safety and Health |
| NTP | National Toxicology Program (U.S.A.) |
| OSHA | Occupational Safety and Health Administration (U.S.A.) |
| PEL | Permissible Exposure Limit |
| STEL | Short-term Exposure Limit |
| TDG | Transport of dangerous goods in Canada |
| TLV | Threshold Limit Value |
| TSCA | Toxic Substances Control Act |
| TWA | Time Weighted Average |
| WHMIS | Workplace Hazardous Materials Information System |
| To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. | |