

SECTION 1 - IDENTIFICATION

Product identifier/Trade name: SANITOL

Other means of identification: SANI

Recommended use: Disinfectant, Deodorizer, Sanitizer

Restriction on use: For industrial, institutional and food plants use only.

Initial supplier identifier: Chemotec (PM) Inc.
8820 Place Ray-Lawson
Anjou, Quebec, Canada H1J 1Z2
Phone: (514) 729-6321; 1-800-729-6321

Emergency phone number: (613) 996-6666 (CANUTEC)

SECTION 2 - HAZARDS IDENTIFICATION

2a WHMIS 2015 - GHS (Globally Harmonized System) classification

This product is regulated under the Food and Drug Regulations and is not regulated by WHMIS.

2b Label elements

Pictogram : No pictogram

PRECAUTION :

KEEP OUT OF REACH OF CHILDREN. WARNING: Skin and eye irritant. Harmful if swallowed. Do not mix with any other chemical. Avoid contact with undiluted product. Avoid contamination of food. Do not store in food processing and food storage areas.

FIRST AID : If in contact with eyes or skin, flush thoroughly with water for 15 minutes. For eye contact, get medical attention. If swallowed, drink two or three glasses of milk or water. Call a physician or poison control centre immediately. Take container, label or product name and Registration Number with you when seeking medical attention.

NOTICE TO PHYSICIAN : Potential mucosal damage may contraindicate use of gastric lavage.

Warning statement

See under precautionary statement

Hazard statement

See under precautionary statement

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredients | CAS # | % (weight) | GHS CLASSIFICATION |
|---|------------|------------|---|
| Alkyl dimethyl benzyl ammonium chloride (C12-C16) | 68424-85-1 | 1-5 | Skin irritation, category 1B Oral toxicity, acute, category 4 Serious eye damage - category 1 |
| Alkyl dimethyl ethylbenzyl ammonium chloride | 68956-79-6 | 1-5 | Skin irritation, category 1B Oral toxicity, acute, category 4 Serious eye damage - category 1 |

The actual concentrations are withheld as a trade secret.

SECTION 4 - FIRST AID MEASURES

4a Description of first aid measures:

Eye contact:

Rinse cautiously with water for minimum 15-20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice.

Skin contact:

Wash with plenty water for minimum 15-20 minutes. If skin irritation occurs: get medical advice. Take off contaminated clothing and wash it before reuse.

Inhalation:

Bring the person to fresh air. If the person is not breathing, call 911 or an ambulance and give artificial respiration, preferably mouth-to-mouth, if possible.

Ingestion:

If conscious, give plenty of water. Never give anything by mouth if the person is unconscious. Do not induce vomiting. Seek immediate medical attention.

4b Most important symptoms and effects

- Eye:** May cause irritation which may be serious if not rinsed promptly
- Skin:** Short-term direct contact may cause irritation that may be serious if not rinsed promptly.
- Inhalation:** Irritation of the respiratory tract
- Ingestion:** May cause irritation and burns of the digestive tract.

4c Immediate medical attention and special treatment needed

No special treatment. See the doctor's notice in section 2.

SECTION 5 - FIRE FIGHTING MEASURES

5a Extinguishing media

Suitable extinguishing media:
Water (if possible avoid powerful jets), foam, dry chemicals, carbon dioxide. Product itself is not flammable.
Unsuitable extinguishing media:
None known.

Specific hazards for product

Hazardous combustion products:
Oxides of carbon, nitrogen and other irritating gases.

Special protective equipment and precautions for firefighters

Special fire-fighting procedures/equipment:
During a fire, irritating smoke and fumes may be generated. A self-contained breathing apparatus is required for fire-fighting personnel to protect themselves from irritating products produced during the combustion. Move containers from fire area if it can be done without risk. A stream of water directed into the product generates a lot of foam.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6a Personal precautions, protective equipment and emergency procedures

Personal protection:

Avoid contact with eyes and skin. Avoid breathing mist from the product. Do not ingest. Provide aeration and sufficient ventilation. Use adequate aeration and ventilation. Floor will be slippery in case of a spill. Use appropriate personal protection equipment (see section 8)

6b Methods and materials for containment and cleaning:

Stop the leak. For large spills, pump the product into drums or clean up spills using absorbent material and place in waste container for destruction. Resume cleaning by rinsing with water. Caution: floors will be slippery.

6c Environmental precautions:

Product is biodegradable. Do not let large quantities go to the sewers.

SECTION 7 - HANDLING AND STORAGE

7a Precautions for safe handling:

Avoid contact with eyes. See section 2 for details.

7b Condition for safe storage:

Store in a sealed container in a well-ventilated place. Do not store with food products. Keep from freezing.

7c Special packaging materials: none.

Keep away from peroxide and bleach. No incompatibility with most materials found in most workplaces.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

8a Control parameters

| | Ontario Time-weighted Average Limit (TWA) | Ontario Short-Term Exposure Limit (STEL) | Notations |
|--------------------------|---|--|-----------|
| No ingredients regulated | None established | None established | |

8b Engineering controls:

Not required under normal applications.

8c Individual protection measures

Respiratory Protection:

Not required under normal applications.

Skin protection and other protective equipment:

Waterproof boots for large spills. Rubber gloves.

Eye / face protection:

See section 2.

General hygiene considerations:

KEEP OUT OF REACH OF CHILDREN. Avoid contact with eyes. Never eat, drink, or smoke in work areas.

Good hygiene is recommended after use of this product.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|--|
| Appearance and odor: | Clear liquid with no added fragrance.. |
| Odor threshold: | N/Av |
| pH : | 6-8 |
| Melting point and freezing point: | Approximately 0 °C |
| Boiling point: | Approximately 100 °C |
| Flash point: | Greater than 61°C |
| Evaporation rate (n-BuAc =1): | 0.4 (water) |
| Lower flammable limit (% by volume): | N/Av |
| Upper flammable limit (% by volume): | N/Av. |
| Explosion data - Sensitivity to mechanical impact: | Not sensitive |
| Explosion data - Sensitivity to static discharge: | Probably not very sensitive |
| Vapor pressure (mm Hg) | 20 mm Hg (water) |
| Vapor density: | 0.6 (water) |
| Specific gravity or density (water = 1 at 4 °C): | 1.0 g/cm ³ @ 20 °C |
| Solubility in water: | Miscible |
| Partition coefficient – n-octanol/water: | Not available |
| Auto-ignition temperature: | Not available |
| Decomposition temperature | Not available |
| Viscosity: | <100 cps @ 25 °C |

SECTION 10 - STABILITY AND REACTIVITY

10a Reactivity:

Not applicable when used as directed.

10b Chemical stability :

Stable at room temperature, in normal handling and storage conditions.

10c Possibility of hazardous reactions:

May react with strong acids and strong oxidizing agents.

10d Conditions to avoid:

Avoid contact with strong acids and strong oxidizing agents.

10e Incompatible materials

Strong acids and strong oxidizing agents.

10f Hazardous decomposition products:

Carbon oxides, nitrogen oxides, ammonia and other irritant gases.

SECTION 11 - TOXICOLOGICAL INFORMATION

Primary entry route(s): Eye, skin and ingestion.

Eye: May cause irritation which can be serious if not rinsed quickly.

Skin: Short-term direct contact may cause irritation that may be serious if not rinsed promptly.

Inhalation: Irritation of the respiratory tract

Ingestion: May cause irritation and burns of the digestive tract.

| | |
|--|--|
| Carcinogenicity: | No ingredient listed by IARC as a possible carcinogen. |
| Teratogenicity, mutagenicity, other reproductive effects: | Not available |
| Skin sensitization: | Not available |
| Respiratory tract sensitization: | Not available |
| Synergistic materials: | Not available |
| Other important hazards: | Not available |

Toxicological data: The calculated LD₅₀ for this product is greater than 800 mg/Kg, (oral, rat); our products are not tested on animals.

For more details, refer to Section 3.

SECTION 12 - ECOLOGICAL INFORMATION

| | |
|---|--|
| 12b Persistence and degradability: | Not available |
| 12c Bioaccumulation potential: | Not available |
| 12d Mobility in soil: | There is no test data on this product. |
| 12e Other adverse effect | No applicable information found |

SECTION 13 - DISPOSAL CONSIDERATIONS

Eliminate according to federal, provincial and local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

Transportation of Dangerous Goods (TDG) in Canada :
Not regulated
UN number Not applicable
Proper shipping name: Not applicable
Class: Not applicable
Identification number: Not applicable
Packing group: Not applicable
Special case: Not applicable

SECTION 15 - REGULATORY INFORMATION

In Canada

WHMIS information:

Product is regulated as a disinfectant. Not regulated under WHMIS.

WHMIS Classification: See section 2a

CEPA information: Ingredients are listed on the DSL inventory.

SECTION 16 - OTHER INFORMATION

Date of latest revision 2019-01-21

References:

1. Manufacturer'/suppliers' MSDS.
2. Occupational Exposure Limits for Ontario Workplaces required under Regulation 833
3. International Agency for Research on Cancer Monographs
4. The European Chemicals Agency (ECHA) website.

Abbreviations:

| | |
|-------|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| CAS | Chemical Abstract Service |
| CEPA | Canadian Environmental Protection Act |
| cps | Centipoises |
| DSL | Domestic Substance List |
| HMIS | Hazardous Material Information System |
| IARC | International Agency for Research on Cancer |
| LC | Lethal concentration |
| LD | Lethal Dosage |
| N/Av | Not available |
| N/Ap | Not Applicable |
| NFPA | National Fire Protection Association |
| 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 |
| TLV | Threshold Limit Value |
| WHMIS | Workplace Hazardous Materials Information System |

End of the SDS