

# Safety Data Sheet

| Section 1 - Product Information                                                                                                                                                   |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                           |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                         |
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| Product Name: MANITOWOC ICE MACHINE SANITIZER Item #s 9405813, 9405653                                                                                                            |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Supplier: Magnus Procurement and Logistic Solutions, Inc. |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                         |
| Product Code Number: 0234                                                                                                                                                         |            | Information Phone: 855-962-4687                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                           | Address: 3680 W. ROYAL LANE SUITE 155A<br>IRVING, TX 75063                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                         |
| Product use:                                                                                                                                                                      | sanitizer  | Emergency Contact: CHEMTREC 800 424 9300                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                           |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                         |
| EPA Registration Number: 6836-70-90566                                                                                                                                            |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                           |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                         |
| Section 2 - Hazard Identification                                                                                                                                                 |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                           |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                         |
| GHS Classification in accordance with OSHA 29 CFR 1910: Eye Corrosive, Category 1 Skin Irritant, Category 2                                                                       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                           |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                         |
| Section 2.1 - Label Elements                                                                                                                                                      |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                           |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                         |
| Hazard Pictograms<br>                                                                            |            | Precautionary Statements:<br>Wash skin thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection.<br>IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.<br>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 or doctor/physician. |                                                           |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                         |
| Signal Word: Danger                                                                                                                                                               |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                           |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                         |
| Hazard Statements:<br>Causes serious eye damage. Causes skin irritation                                                                                                           |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                           |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                         |
| Section 3 - Composition                                                                                                                                                           |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                           |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                         |
| Quaternary ammonium compounds, di-C8-C10-alkyldimethyl, chlorides                                                                                                                 |            | 68424-95-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                           | 4.5                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                         |
| Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides                                                                                                             |            | 68424-85-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                           | 3                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                         |
| ethanol                                                                                                                                                                           |            | 64-17-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                           | 1.5                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                         |
| Section 4 - First Aid Measures                                                                                                                                                    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                           |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                         |
| Inhalation: Move to fresh air.If breathing is irregular or stopped, administer artificial respiration.                                                                            |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                           |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                         |
| IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothes and wash before reusing. If skin irritation occurs get medical attention.                           |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                           |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                         |
| IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists get medical attention. |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                           |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                         |
| Ingestion: Give milk or water to dilute material; DO NOT induce vomiting. Contact a POISON center or physician if you feel unwell.                                                |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                           |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                         |
| Section 5 - Fire and Explosion Hazard Data                                                                                                                                        |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                           |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                         |
| Flash Point:                                                                                                                                                                      | Limits     | Extinguishing Media:                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                           | <b>Special Fire Fighting Procedures:</b> Avoid exposure to fumes or vapors. Wear self-contained positive pressurized breathing apparatus MSHA/NIOSH Approved or equivalent to maintain TLV. <b>UNUSUAL FIRE &amp; EXPLOSION HAZARD:</b> Use water spray to cool adjacent fire exposed containers. Product will not burn but may splatter if temperature exceeds boiling point. |                                                                                                                                                                                                                                         |
| > 200°F                                                                                                                                                                           | LEL: NE    | Water spray or fog, foam, dry chemical, carbon dioxide, alcohol foam, if product is involved.                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                         |
|                                                                                                                                                                                   | UEL: NE    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                           |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                         |
| Section 6 - Accidental Release Measures                                                                                                                                           |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                           |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                         |
| Dike large spills and pump to suitable containers. Mop up small spills and flush to sewer with plenty of water. Floors may be slippery. Use care to avoid falls.                  |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                           |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                         |
| Section 7 - Handling and Storage                                                                                                                                                  |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                           |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                         |
| Do not contaminate water, food or feed. Avoid all contact. Store upright in original closed container. Store locked up.                                                           |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                           |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                         |
| Other Precautions: Do not get in eyes, on skin or on clothing. Remove & wash contaminated clothing before reuse.                                                                  |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                           |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                         |
| Section 8 - Exposure Controls/PPE                                                                                                                                                 |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                           |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                         |
| Ingredient                                                                                                                                                                        | OSHA PEL:  | ACGIH TLV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PPE                                                       |                                                                                                                                                                                                                                                                                                                                                                                | <b>General Hygiene Considerations:</b><br>Handle in accordance with good industrial hygiene and safety practices. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard. |
| Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides                                                                                                                  | not listed | not listed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Respiratory:                                              | Not normally required                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                         |
|                                                                                                                                                                                   |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Eye:                                                      | Chemical resistant glasses                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                         |
|                                                                                                                                                                                   |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Skin:                                                     | Chemical resistant gloves                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                         |
| ethanol                                                                                                                                                                           | 1ppm       | 1ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Ventilation                                               | Normal Room Ventilation                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                         |

| Section 9 - Physical and Chemical Properties                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                    |                                        |                                                              |                          |                                                                                                                                                                   |                        |                        |                               |          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|----------------------------------------|--------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------|-------------------------------|----------|
| Appearance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | odor                               | odor threshold                         | pH                                                           | Melting Point            | Boiling point                                                                                                                                                     | rate                   | Flammability           | flammability limits           | pressure |
| colorless liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | mild                               | NE                                     | 8.0                                                          | NE                       | 212°F                                                                                                                                                             | < 1<br>(water = 1)     | not flammable          | NA                            | NE       |
| Vapor Density                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Density<br>(lbs/gal)               | Specific Gravity                       | pH(use dil)                                                  | Solubility<br>(in water) | Partition<br>coefficient                                                                                                                                          | Auto Ignition<br>temp  | Viscosity              | Decomposition Temp            |          |
| > 1(air = 1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 8.23                               | 0.988                                  | 7.0                                                          | complete                 | NE                                                                                                                                                                | NA                     | thin                   | NE                            |          |
| Section 10 - Stability and Reactivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                    |                                        |                                                              |                          |                                                                                                                                                                   |                        |                        |                               |          |
| Stability: Stable.<br>Hazardous Polymerization: Will not occur.<br>Incompatibility (Materials to Avoid): Strong oxidizing agents, reducing agent Anionics.<br>Hazardous Decomposition Products: If burned, normal combustion products: Carbon Dioxide, Carbon Monoxide; Nitrous Oxides.                                                                                                                                                                                                                                                  |                                    |                                        |                                                              |                          |                                                                                                                                                                   |                        |                        |                               |          |
| Section 11- Toxicological Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                    |                                        |                                                              |                          |                                                                                                                                                                   |                        |                        |                               |          |
| Ingredient                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Acute toxicity(oral<br>LD50) rat   | Acute<br>toxicity(derm.<br>LD50)rabbit | Skin and Eye                                                 | Carcinogen               | Mutagen                                                                                                                                                           | Reproduct.<br>Toxicity | STOST -single Exposure | STOST<br>Repeated<br>exposure |          |
| Quaternary ammonium<br>compounds, di-C8-10-<br>alkyldimethyl, chlorides                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 344 mg/kg                          | 3,340 mg/kg                            | corrosive                                                    | no data                  | no data                                                                                                                                                           | no data                | no data                | no data                       |          |
| Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                    |                                        |                                                              |                          |                                                                                                                                                                   |                        |                        |                               |          |
| Section 12 - Ecological Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                    |                                        |                                                              |                          | Section 13 - Disposal Considerations                                                                                                                              |                        |                        |                               |          |
| No information available for this product.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                    |                                        |                                                              |                          | Dispose of in accordance with local, state and federal regulations. Use method outlined in local EPA and Governmental Regulations. Contact your local EPA office. |                        |                        |                               |          |
| Section 14 - Transport Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                    |                                        |                                                              |                          |                                                                                                                                                                   |                        |                        |                               |          |
| UN number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Basic Description(DOT)             |                                        |                                                              |                          |                                                                                                                                                                   | Class                  | Packing Group          | LTD QTY                       |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Disinfectant Liquid, Not Regulated |                                        |                                                              |                          |                                                                                                                                                                   |                        |                        |                               |          |
| Section 15 - Regulatory Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                    |                                        |                                                              |                          |                                                                                                                                                                   |                        |                        |                               |          |
| SARA TITLE III (EPCRA) NOTIFICATION: Does not contain chemicals subject to the reporting requirements of Section 302, 304, or 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986.<br>COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA) NOTIFICATION: This does not contain chemicals subject to reporting under CERCLA<br>For more information, consult 40 CFR parts 302, 355, 370, 372, and 40 CFR part 68.                                                                      |                                    |                                        |                                                              |                          |                                                                                                                                                                   |                        |                        |                               |          |
| Section 16 - Other Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                    |                                        |                                                              |                          |                                                                                                                                                                   |                        |                        |                               |          |
| WHMIS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                    |                                        | HMIS: Health - 2                                             | Flam. - 0                | R - 0                                                                                                                                                             | PPE- C                 |                        |                               |          |
| Date Prepared:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 26-Sep-19                          |                                        | Prepared by: Environmental, Health and Safety Administrator. |                          |                                                                                                                                                                   |                        |                        |                               |          |
| The information provided in this Safety Data Sheet is correct to the best of our knowledge and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with materials or in any process, unless specified in the text. |                                    |                                        |                                                              |                          |                                                                                                                                                                   |                        |                        |                               |          |
| Legend for Abbreviations: NA - not applicable NE - Not Established                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                    |                                        |                                                              |                          |                                                                                                                                                                   |                        |                        |                               |          |