

# CRISTAL

| 1. IDENTIFICATION  |  |
|--|--|
| Product name   | : <b>CRISTAL</b>   |
| Product code   | : <b>11-10000</b>  |
| Supplier   | : Sani-Marc Inc.<br>42 rue de l'Artisan<br>Victoriaville, Qc<br>G6P 7E3<br>1-819-758-1541                        |
| Manufacturer   | : Sani-Marc Inc.<br>42 rue de l'Artisan<br>Victoriaville, Qc<br>G6P 7E3<br>1-819-758-1541                        |
| Identified uses  | : Industrial applications: Liquid detergent for hand dishwashing.<br>Approved for use in Food & Beverage plants. |
| Uses advised against   | : Only use this product as directed. Read label before using.  |
| Other means of identification  | : Not available.   |
| Date of issue (YYYY-MM-DD)   | : 2023-06-06   |
| <b>In case of emergency : Emergency phone: CANUTEC (613) 996-6666 (Collect calls accepted)</b> |  |

| 2. HAZARDS IDENTIFICATION   |   |
|---|---|
| Information in this section only concerns the product as supplied. Contact your account manager to get more information on diluted form hazards identification. |   |
| Product Classification  | : Not classified.                                   |
| Signal word   | : No signal word.                                   |
| Hazard statements   | : No known significant effects or critical hazards. |
| <u>Precautionary statements</u>   |   |
| Prevention  | : Not applicable.                                   |
| Response  | : Not applicable.                                   |
| Storage   | : Not applicable.                                   |
| Disposal  | : Not applicable.                                   |
| Supplemental label elements   | : No additional information.                        |
| Other hazards which do not result in classification   | : None known.                                       |

| 3. COMPOSITION/INFORMATION ON INGREDIENTS                            |                   |                |
|--|-------------------|----------------|
| Substance/mixture  | : Mixture         |                |
| <u>Name</u>  | <u>CAS number</u> | <u>% (w/w)</u> |
| Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts        | 68081-81-2        | 10 - 30        |
| Alcohol ethoxylate, sulfated, sodium salt                            | 68585-34-2        | 1 - 5          |
| Occupational exposure limits, if available, are listed in Section 8. |                   |                |

#### 4. FIRST AID MEASURES

##### Description of required first aid measures

|                     |   |
|---------------------|---|
| <b>Eye contact</b>  | In case of contact with eyes, flush with fresh water. Check for and remove any contact lenses. Continue rinsing. If irritation persists, get medical attention. |
| <b>Skin contact</b> | In case of irritation, rinse with water. Get medical attention if irritation persists.  |
| <b>Ingestion</b>    | Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.                          |
| <b>Inhalation</b>   | Move victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.                                     |

##### Most important symptoms/effects, acute and delayed

|                     |   |
|---------------------|---|
| <b>Eye contact</b>  | No specific symptoms under normal use conditions. |
| <b>Skin contact</b> | No specific symptoms under normal use conditions. |
| <b>Ingestion</b>    | No specific symptoms under normal use conditions. |
| <b>Inhalation</b>   | No specific symptoms under normal use conditions. |

**Notes to physician** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

See toxicological information (Section 11)

#### 5. FIRE-FIGHTING MEASURES

##### Extinguishing media

|   |  |
|---|--|
| <b>Suitable extinguishing media</b>                   | Use an extinguishing agent suitable for the surrounding fire.  |
| <b>Unsuitable extinguishing media</b>                 | None known.  |
| <b>Specific hazards arising from the chemical</b>     | In a fire or if heated, a pressure increase will occur and the container may burst.  |
| <b>Hazardous thermal decomposition products</b>       | No specific data.  |
| <b>Special fire-fighting procedures</b>               | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action should be taken involving any personal risk or without suitable training. |
| <b>Special protective equipment for fire-fighters</b> | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.                          |

#### 6. ACCIDENTAL RELEASE MEASURES

|                             |   |
|-----------------------------|---|
| <b>Personal precautions</b> | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Initiate spill response procedures if required. |
| <b>Personal protection</b>  | Put on appropriate personal protective equipment (see Section 8).   |
| <b>Cleaning method</b>      | Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Use a water rinse for final clean-up.                    |

#### 7. HANDLING AND STORAGE

|                                    |   |
|------------------------------------|---|
| <b>Handling</b>                    | Use in a way to prevent contamination of food.  |
| <b>Storage and Incompatibility</b> | Store in accordance with local regulations. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Keep out of reach of children. Store away from incompatible materials; |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational exposure limits

None.

### **Appropriate engineering controls**

Good general ventilation should be sufficient to control worker exposure to airborne contaminants that could arise from the use of this product.

### Individual protection measures

#### **Eye/face protection**

It is minimally suggested to wear safety glasses while using or handling this product.

#### **Hands and Body protection**

No specific protective equipment required under normal use conditions.  
No special protective clothing is required.

#### **Respiratory protection**

No specific protective equipment required under normal use conditions.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |                               |                                  |                             |                         |  |
|---|-------------------------------|----------------------------------|-----------------------------|-------------------------|--|
| <b>Physical state</b>                               | Liquid. [Transparent liquid.] | <b>pH</b>                        | 7.3                         | <b>Flash point</b>      | [Product does not sustain combustion.] |
| <b>Color</b>  | Pink                          | <b>Relative density</b>          | 1.03                        | <b>Melting point</b>    | Not available.                         |
| <b>Odor</b>   | Wildberry. [Slight]           | <b>Viscosity</b>                 | Dynamic: 500 mPa·s (500 cP) | <b>Boiling point</b>    | Not available.                         |
| <b>Odor threshold</b>                               | Not available.                | <b>Vapor pressure</b>            | Not available.              | <b>Fire point</b>       | : Not available.                       |
| <b>Solubility in water</b>                          | : Not available.              | <b>Vapor density</b>             | : Not available.            | <b>Evaporation rate</b> | : Not available.                       |
| <b>Decomposition temperature</b>                    | : Not available.              | <b>Auto-ignition temperature</b> | : Not available.            |                         |  |
| <b>Partition coefficient: n-octanol/ water</b>      | : Not applicable.             | <b>Flammability (solid, gas)</b> | : Not available.            |                         |  |
| <b>Lower and upper explosive (flammable) limits</b> | : Not available.              |                                  |                             |                         |  |

## 10. STABILITY AND REACTIVITY

|   |  |
|---|--|
| <b>Reactivity</b>                         | No specific test data related to reactivity available for this product or its ingredients.           |
| <b>Chemical stability</b>                 | The product is stable.   |
| <b>Incompatible materials</b>             | No specific data.  |
| <b>Conditions to avoid</b>                | No specific data.  |
| <b>Possibility of hazardous reactions</b> | Under normal conditions of storage and use, hazardous reactions will not occur.                      |
| <b>Hazardous decomposition products</b>   | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

## 11. TOXICOLOGICAL INFORMATION

|                          |  |   |
|--------------------------|--|---|
| <b>Route of exposure</b> | Routes of entry not anticipated: Oral, Dermal, Inhalation. |   |
|                          | <b><u>Potential acute health effects</u></b>               | <b><u>Symptoms</u></b>                            |
| <b>Eye contact</b>       | No known significant effects or critical hazards.          | No specific symptoms under normal use conditions. |
| <b>Skin contact</b>      | No known significant effects or critical hazards.          | No specific symptoms under normal use conditions. |
| <b>Ingestion</b>         | No known significant effects or critical hazards.          | No specific symptoms under normal use conditions. |
| <b>Inhalation</b>        | No known significant effects or critical hazards.          | No specific symptoms under normal use conditions. |

### Toxicity data

| Product/ingredient name                                       | Result    | Species | Dose       | Exposure |
|---|-----------|---------|------------|----------|
| Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts | LD50 Oral | Rat     | 438 mg/kg  | -        |
| Alcohol ethoxylate, sulfated, sodium salt                     | LD50 Oral | Rat     | 1600 mg/kg | -        |

### Information on toxicological effects

|                     |   |
|---------------------|---|
| <b>Mutagenicity</b> | No known significant effects or critical hazards. |
|---------------------|---|

|                       |   |
|-----------------------|---|
| Teratogenicity        | No known significant effects or critical hazards. |
| Developmental effects | No known significant effects or critical hazards. |
| Fertility effects     | No known significant effects or critical hazards. |
| Sensitization         | Not available.                                    |
| Carcinogenicity       | No known significant effects or critical hazards. |

| 12. ECOLOGICAL INFORMATION  |  |
|---|--|
| <u>Ecotoxicity data</u><br>No ecotoxicological data listed for any component of this product. |  |
| Persistence and degradability   | : Unknown Bioaccumulative potential : Unknown Mobility in soil : Unknown Other adverse effects : Unknown |

| 13. DISPOSAL CONSIDERATIONS |  |
|-----------------------------|--|
| Disposal methods            | Dispose content and container in accordance with local, regional and national regulation in force. |

| 14. TRANSPORT INFORMATION     |  |                         |                             |               |             |
|-------------------------------|--|-------------------------|-----------------------------|---------------|-------------|
|                               | UN number  | UN proper shipping name | Transport hazard class (es) | Packing group | TDG Placard |
| TDG Classification            | Not regulated.   | -                       | -                           | -             |             |
| <u>Additional information</u> | See shipping documents for specific information on DOT, IMDG or IATA |                         |                             |               |             |

| 15. REGULATORY INFORMATION |                                       |
|----------------------------|---------------------------------------|
| <u>Canadian lists</u>      |                                       |
| Canadian NPRI              | None of the components are listed.    |
| CEPA Toxic substances      | None of the components are listed.    |
| Canada inventory           | At least one component is not listed. |
| <u>International lists</u> |                                       |
| United States              | Not determined.                       |

| 16. OTHER INFORMATION                          |   |               |   |             |   |            |   |                     |  |
|--|---|---------------|---|-------------|---|------------|---|---------------------|--|
| Hazardous Material Information System (U.S.A.) | <table border="1"> <tr> <td>Health Hazard</td> <td>0</td> </tr> <tr> <td>Fire Hazard</td> <td>0</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> <tr> <td>Personal Protection</td> <td></td> </tr> </table> | Health Hazard | 0 | Fire Hazard | 0 | Reactivity | 0 | Personal Protection |  |
| Health Hazard                                  | 0   |               |   |             |   |            |   |                     |  |
| Fire Hazard                                    | 0   |               |   |             |   |            |   |                     |  |
| Reactivity                                     | 0   |               |   |             |   |            |   |                     |  |
| Personal Protection                            |   |               |   |             |   |            |   |                     |  |
| Date of issue/Date of revision (YYYY-MM-DD)    | : 2023-06-06  |               |   |             |   |            |   |                     |  |
| Prepared by                                    | : Regulatory Affairs Department<br>Sani-Marc Inc.<br>42 rue de l'Artisan<br>Victoriaville, Qc<br>G6P 7E3<br>1-819-758-1541  |               |   |             |   |            |   |                     |  |

Notice to reader

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.