



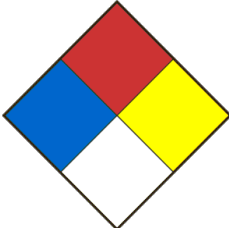
Centre Anti-Poison pour le Québec: (800) 463-5060  
Tél. (Qc): (418) 660-8666 / 800-890-8666  
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## SAFETY DATA SHEET

### SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

|                                                                                                            |                                    |                                             |                        |
|------------------------------------------------------------------------------------------------------------|------------------------------------|---------------------------------------------|------------------------|
| Product Identifier<br>GLUCOSE (ANHYDROUS)                                                                  |                                    | Product Use<br>Laboratory use               |                        |
| Chemical formula<br>C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>                                          |                                    | Product code<br>GR-0901                     | Molar weight<br>180,16 |
| Chemical name / Commercial name / Synonymous<br>D-GLUCOSE, DEXTROSE, D-GLUCOSE ANHYDRE, DEXTROSE ANHYDROUS |                                    |                                             |                        |
| Supplier's name<br>Laboratoire MAT                                                                         |                                    | Address-Street<br>610, Adanac Street        |                        |
| City<br>Québec                                                                                             |                                    | Province<br>Québec                          |                        |
| Postal code<br>G1C 7B7                                                                                     | Internet<br>www.labmat.com         | Phone number<br>418-660-8666 / 800-890-8666 |                        |
| Emergency phone                                                                                            | CANUTEC: 613-996-6666              | CENTRE ANTI-POISON DU QUÉBEC 800-463-5060   |                        |
| Date SDS<br>2/4/2022                                                                                       | SDS Prepared by<br>Laboratoire MAT | E-Mail<br>labmat@labmat.com                 |                        |

### SECTION 02 - HAZARDS IDENTIFICATION

|                                                                                     |                                                                                  |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Classification WHIMS / GHS                                                          | Not a hazardous substance according to WHMIS 2015                                |
| Other dangers                                                                       | NFPA (Risk: 0=No risk; 1=Slight; 2=Moderate; 3=Signifiant; 4=Extreme)            |
|  | <b>Health</b> 0<br><b>Fire</b> 1<br><b>Reactivity</b> 0<br><b>Special danger</b> |

### SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

| Ingrédients (Dénomination chimique / synonymes) | Numéro CAS et tout identificateur unique | Concentration (%) |
|-------------------------------------------------|------------------------------------------|-------------------|
| Glucose                                         | 50-99-7                                  | <=100             |

### SECTION 04 - FIRST AID MEASURES

|                                                                 |                                                                                                                                                          |
|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye contact                                                     | Wash eyes with large amounts of water for at least 15 minutes while holding eyelids apart to rinse eyes. If irritation persists, seek medical attention. |
| Skin contact                                                    | Wash skin with plenty of water for at least 15 minutes. Remove soiled clothing. If irritation persists, seek medical attention.                          |
| Inhalation                                                      | Move the unwell person to the fresh air. If breathing is difficult, give oxygen. Consult a physician.                                                    |
| Ingestion                                                       | If the person is conscious, give water to drink. Never give anything by mouth to an unconscious person. Consult a physician.                             |
| Most important symptoms and effects (acute and delayed)         | Main symptoms of high exposure: Dusts can irritate the eyes and the respiratory tract. Ref. section 11.                                                  |
| Immediate medical attention and special treatment, if necessary | In case of medical consultation, keep this sheet available.                                                                                              |
| General advice                                                  | Show this safety data sheet to the doctor in attendance.                                                                                                 |

## SECTION 05 - FIREFIGHTING MEASURES

|                                                                      |                                                                                                                                                                                                                                                           |
|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Flammability</b>                                                  | No                                                                                                                                                                                                                                                        |
| <b>Ignition conditions</b>                                           | Fine dust in sufficient concentration may be combustible, or explode if confined to a small space and subject to a source of ignition.                                                                                                                    |
| <b>Suitable extinguishing media</b>                                  | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.                                                                                                                                                                                  |
| <b>Unsuitable extinguishing media</b>                                | Data not available.                                                                                                                                                                                                                                       |
| <b>Hazardous combustion products</b>                                 | Hazardous combustion products formed under fire conditions: Carbon oxides.                                                                                                                                                                                |
| <b>Special fire and explosion hazards</b>                            | Risk of explosion if mixed and heated in an airtight container with potassium nitrate and hydrogen peroxide. May form concentrations combustible dust in the air. May react violently with incompatible products (Ref Section 10).                        |
| <b>Special protective equipment and precautions for firefighters</b> | Discard incompatible substances if this can be done without risk. Firefighters should be equipped with standard protective equipment, fireproof clothing, face mask, gloves, protective boots and, where appropriate, self-contained breathing apparatus. |

## SECTION 06 - ACCIDENTAL RELEASE MEASURES

|                                                                                                           |                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Methods and materials for containment and cleaning up / Personal precautions, protective equipment</b> | Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Pick up with a shovel or broom, taking care not to scatter dust. Dilute residues with water, clean and rinse. Dispose of residues in the same way as household waste. |
|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## SECTION 07 - HANDLING AND STORAGE

|                                    |                                                                                                                                     |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>Conditions for safe storage</b> | Hygroscopic. Keep container tightly closed and store away from moisture and incompatible products. Store in a well-ventilated area. |
| <b>Methods of handling</b>         | Provide appropriate exhaust ventilation at places where dust or vapor is formed.                                                    |

## SECTION 08 - EXPOSURE CONTROLS/PERSONAL PROTECTION

### Workplace control parameters

| Components | CAS-No. | Control        | Value             | Basis                                                                                                                                   |
|------------|---------|----------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| GLUCOSE    | 50-99-7 | TLV, TWA, STEL | No data available | Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)                                                                     |
|            |         | TLV, TWA, STEL | No data available | Canada. British Columbia OEL                                                                                                            |
|            |         | TLV, TWA, STEL | No data available | Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants |

|                            |                                                                                                                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ventilation</b>         | Use fan.                                                                                                                                                                                       |
| <b>Respiratory</b>         | If the permissible levels are exceeded, use a mechanical filter / cartridge against NIOSH vapors or a respirator with air supply.                                                              |
| <b>Gloves</b>              | Handle with gloves.                                                                                                                                                                            |
| <b>Eyes</b>                | Safety goggles with safety shutters.                                                                                                                                                           |
| <b>Shoes</b>               | Safety shoes.                                                                                                                                                                                  |
| <b>Clothing</b>            | Labcoat. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.                                     |
| <b>Engineering control</b> | Have safety showers and eyewash stations in the workplace in case of an emergency and a ventilation system to maintain the level of concentrations in the air below the exposure limit values. |

## SECTION 09 - PHYSICAL AND CHEMICAL PROPERTIES

|                                       |                                        |
|---------------------------------------|----------------------------------------|
| Physical state                        | Solid.                                 |
| Appearance                            | Poudre cristalline blanche.            |
| Odour                                 | inodore.                               |
| Odour threshold                       | Data not available                     |
| pH                                    | 5.9 (0.5M).                            |
| Melting point / Freezing point        | 146°C                                  |
| Initial boiling point                 | Data not available                     |
| Boiling range                         | Data not available                     |
| Flash point                           | Data not available                     |
| Evaporation rate                      | Data not available                     |
| Flammability                          | No                                     |
| Lower flammable / Explosive limit     | Data not available                     |
| Upper flammable / Explosive limit     | Data not available                     |
| Vapour pressure                       | Data not available                     |
| Vapour density                        | Data not available                     |
| Relative density                      | 1.54g/cm <sup>3</sup>                  |
| Solubility                            | Soluble dans l'eau, pyridine, aniline. |
| Partition coefficient water/n-octanol | Data not available                     |
| Auto-ignition temperature             | Data not available                     |
| Decomposition temperature             | Data not available                     |
| Viscosity                             | Data not available                     |

## SECTION 10 - STABILITY AND REACTIVITY

|                                                                                           |                                                                                                                                        |
|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                                                                | May react violently with incompatible substances. Reducing product, may react violently with oxidizing agents.                         |
| Chemical stability                                                                        | Stable under recommended storage conditions. Hygroscopic.                                                                              |
| Possibility of hazardous reactions                                                        | Stable under normal conditions. May react violently with incompatible substances. May form combustible dust concentrations in the air. |
| Conditions of instability (Including sensitivity to shock / static discharge / vibration) | Avoid excessive heat and humidity. Avoid contact with incompatible materials.                                                          |
| Incompatible material                                                                     | Strong oxidizing agents. Bases.                                                                                                        |
| Hazardous decomposition products                                                          | Hazardous decomposition products formed under fire conditions. Carbon oxides.                                                          |

## SECTION 11 - TOXICOLOGICAL INFORMATION

### GLUCOSE (ANHYDROUS)

|                                           |                                                                      |
|-------------------------------------------|----------------------------------------------------------------------|
| Routes of exposure                        | Ingestion, inhalation, skin and eyes.                                |
| Acute exposition effects / symptoms:      | By exposure route below.                                             |
| - Eyes                                    | Irritation.                                                          |
| - Skin                                    | To our knowledge, the product has not been fully studied.            |
| - Inhalation                              | Irritation if the concentration is very high in the airways.         |
| Acute toxicity (Ingestion)                | If the concentration absorbed is very high, there is a low toxicity. |
| Chronic exposure effects / symptoms       | Low toxicity if the absorbed concentration is high.                  |
| DL50 (specify species and route of entry) | LD50 Oral - Rat - 25800 mg/kg LD50 Dermal - Data not available.      |
| CL50 (specify species and route of entry) | LC50 - Inhalation - Data not available.                              |

## SECTION 12 - ECOLOGICAL INFORMATION

|                                  |    |
|----------------------------------|----|
| Available ecological information | No |
|----------------------------------|----|

## SECTION 13 - DISPOSAL CONSIDERATIONS

|                        |                                                                                                    |
|------------------------|----------------------------------------------------------------------------------------------------|
| Waste Disposal Method  | Eliminate as a household waste. For large quantities, contact a specialist waste disposal company. |
| Contaminated Packaging | Dispose of as unused product.                                                                      |

## SECTION 14 - TRANSPORT INFORMATION

|                            |     |
|----------------------------|-----|
| UN Number                  | N/R |
| UN Proper shipping name    |     |
| Transport hazard class(es) |     |
| Packing group              |     |
| Limited quantity index     |     |
| ERAP Index                 |     |
| Special precautions        |     |

## SECTION 15 - REGULATORY INFORMATION

|              |                                                   |
|--------------|---------------------------------------------------|
| WHIMS CANADA | Not a hazardous substance according to WHMIS 2015 |
|--------------|---------------------------------------------------|

## SECTION 16 - OTHER INFORMATION

### Further information

The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. It does not represent any guarantee of the properties of the product. Laboratoire MAT Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

Last Update: 2/4/2022