

## SAFETY DATA SHEET

### LIQUID GLUCOSE (FOOD GRADE)

CAS No.: 8029-43-4

This Safety Data Sheet is compiled from well-established published chemical, GHS classification and regulatory reference sources for this substance. It is supplied by Suraj Chemicals as the distributor/supplier of record and is not a manufacturer-issued document. Users should also consult the specific manufacturer's SDS where available.

#### 1. IDENTIFICATION

|                     |                                                                                           |
|---------------------|-------------------------------------------------------------------------------------------|
| Product Name        | Liquid Glucose (Food Grade)                                                               |
| CAS Number          | 8029-43-4                                                                                 |
| Recommended Use     | Industrial / commercial chemical trading and distribution                                 |
| Supplier            | Suraj Chemicals, No 92, Govindappa Naicken Street, Shiva Complex, Chennai - 600001, India |
| Emergency Telephone | +91 - 9840284032, 9176135357 / +91 - 44 - 25393652                                        |

#### 2. HAZARD(S) IDENTIFICATION

|                 |                |
|-----------------|----------------|
| GHS Signal Word | Not classified |
|-----------------|----------------|

**HAZARD CLASSIFICATION**

None assigned

**HAZARD STATEMENTS**

None assigned

**PRECAUTIONARY STATEMENTS**

None assigned

#### 3. COMPOSITION / INFORMATION ON INGREDIENTS

|                    |                                                                                           |
|--------------------|-------------------------------------------------------------------------------------------|
| Chemical Name      | Liquid Glucose (Food Grade)                                                               |
| CAS Number         | 8029-43-4                                                                                 |
| Physical State     | Viscous liquid                                                                            |
| Appearance / Odour | Clear to pale yellow/amber, viscous syrup; odorless to a faint characteristic sweet odor. |

#### 4. FIRST-AID MEASURES

|              |                                                                                                                                                                    |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye Contact  | Rinse cautiously with water for several minutes; remove contact lenses if present and easy to do; continue rinsing; seek medical attention if irritation persists. |
| Skin Contact | Wash with soap and water; product is sticky and may require repeated washing to remove; no adverse effects expected.                                               |
| Inhalation   | Not an expected exposure route; if mist/vapor is inhaled and discomfort occurs, move to fresh air.                                                                 |
| Ingestion    | No hazard expected from normal use; rinse mouth with water; seek medical advice if large quantities are ingested or discomfort occurs.                             |

#### 5. FIRE-FIGHTING MEASURES

|                                |                                                                                                       |
|--------------------------------|-------------------------------------------------------------------------------------------------------|
| Suitable Extinguishing Media   | Water spray, carbon dioxide, dry chemical, or foam suitable for the surrounding fire.                 |
| Unsuitable Extinguishing Media | None specifically identified; avoid high-pressure water jets that may cause splattering of hot syrup. |
| Special Hazards                | Not combustible in this form; heating produces steam and, on charring, carbon monoxide/dioxide.       |

#### 6. ACCIDENTAL RELEASE MEASURES

|          |                                                                                                                                                                                                          |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Measures | Contain the spill; absorb with inert material (sand, earth); sweep/scoop into containers; spilled material is very slippery; flush residue with water; avoid large discharges to drains due to high BOD. |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### 7. HANDLING AND STORAGE

|                      |                                                                                                                                                 |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Handling Precautions | Handle using good food-hygiene practice; avoid contamination; ensure ventilation if heated; avoid prolonged skin contact due to stickiness.     |
| Storage Conditions   | Store in tightly closed containers in a cool, dry, well-ventilated area away from direct sunlight, strong oxidizers, and contamination sources. |

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

|                       |                                                                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Exposure Limits / PPE | No specific occupational exposure limit established; standard food-handling PPE (gloves, eye protection) recommended for bulk handling. |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                            |                                                                                           |
|----------------------------|-------------------------------------------------------------------------------------------|
| Physical State             | Viscous liquid                                                                            |
| Appearance / Odour         | Clear to pale yellow/amber, viscous syrup; odorless to a faint characteristic sweet odor. |
| Boiling Point              | Not determined (decomposes/caramelizes on strong heating rather than boiling)             |
| Melting Point              | Not applicable (liquid at room temperature)                                               |
| Flash Point                | Not applicable (aqueous, non-flammable)                                                   |
| Density / Specific Gravity | Approximately 1.40-1.45                                                                   |
| Water Solubility           | Fully miscible/soluble in water                                                           |
| pH Value                   | Approximately 4.5-6.0 (as supplied)                                                       |

## 10. STABILITY AND REACTIVITY

|                         |                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------|
| Stability               | Stable under normal storage and handling; may darken/caramelize with prolonged heat exposure. |
| Incompatible Materials  | Strong oxidizing agents; strong acids/alkalis at elevated temperature.                        |
| Hazardous Decomposition | Thermal decomposition can produce carbon monoxide and carbon dioxide.                         |

## 11. TOXICOLOGICAL INFORMATION

|         |                                                                                                                                                                                                                 |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Summary | Low acute toxicity; a normal dietary carbohydrate (glucose syrup) metabolized by the body; not classified as an irritant, sensitizer, mutagen, or carcinogen; oral LD50 in rats reported well above 2000 mg/kg. |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 12. ECOLOGICAL INFORMATION

|         |                                                                                                                                                       |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Summary | Readily biodegradable; low aquatic toxicity at typical exposure levels, though concentrated discharges exert high biochemical/chemical oxygen demand. |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------|

## 13. DISPOSAL CONSIDERATIONS

|                 |                                                                                                                                                                  |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Disposal Method | Dispose of per local/national regulations; small quantities may be diluted and discharged to sewer per local wastewater permits; recover/recycle where feasible. |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 14. TRANSPORT INFORMATION

|                        |                             |
|------------------------|-----------------------------|
| UN Number              | Not regulated for transport |
| Transport Hazard Class | Not regulated               |
| Packing Group          | Not applicable              |

## 15. REGULATORY INFORMATION

|       |                                                                                                                                                                 |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Notes | Generally recognized as safe (GRAS) food ingredient permitted under Codex Alimentarius, US FDA, and EU food regulations; not classified as hazardous under GHS. |
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## 16. OTHER INFORMATION

|               |                                                                                                                                                                                                                                                                                                                                                                       |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Prepared By   | Suraj Chemicals, Technical / QA Desk                                                                                                                                                                                                                                                                                                                                  |
| Date of Issue | 29 Sep 2026                                                                                                                                                                                                                                                                                                                                                           |
| Note          | This SDS is compiled from well-established published GHS hazard classification data and general chemical reference sources for this substance, in the standard 16-section format. Values are believed accurate but Suraj Chemicals makes no warranty, express or implied, regarding their completeness. Users should evaluate suitability for their own specific use. |

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