

# SAFETY DATA SHEET (SDS/MSDS) — GHS 16

## Sections

Green Vision Technical Services  
Nashik, Maharashtra 422206, India  
CIB Registered | +91-9890550271

pH Calibration Buffer pH 4.01

### SECTION 1: Identification

|              |                                                                             |
|--------------|-----------------------------------------------------------------------------|
| Product      | pH Calibration Buffer pH 4.01                                               |
| Manufacturer | Green Vision Technical Services                                             |
| Address      | Plot 6, Survey 599/2, Airport Road, Janori, Dindori, Nashik 422206 MH India |
| Emergency    | +91-9890550271 (24h)                                                        |
| Intended Use | Agricultural input                                                          |
| CAS Number   | Various                                                                     |

### SECTION 2: Hazard Identification

|                          |                                                                 |
|--------------------------|-----------------------------------------------------------------|
| GHS Classification       | GHS07 / GHS09                                                   |
| Signal Word              | Warning                                                         |
| Hazard Statements        | May cause skin/eye irritation   Harmful to aquatic life         |
| Precautionary Statements | Keep out of reach of children. Read label before use. Wear PPE. |

### SECTION 3: Composition / Ingredients

|               |                                                                                                           |
|---------------|-----------------------------------------------------------------------------------------------------------|
| Chemical Name | pH                                                                                                        |
| CAS No.       | Various                                                                                                   |
| Formula       | pH buffer                                                                                                 |
| Composition   | pH Calibration Buffer pH 4.01 — precision nutrient for hydroponic and controlled environment agriculture. |

### SECTION 4: First Aid Measures

|              |                                                           |
|--------------|-----------------------------------------------------------|
| Eye Contact  | Rinse with water 15+ min. Seek medical attention.         |
| Skin Contact | Wash soap+water. Remove clothes. Seek help if irritation. |
| Inhalation   | Move to fresh air. O2 if needed. Seek medical help.       |
| Ingestion    | Do NOT induce vomiting. Rinse mouth. Seek emergency.      |

### SECTION 5: Fire Fighting

|                      |                                        |
|----------------------|----------------------------------------|
| Extinguishing Media  | Water spray, foam, dry chemical, CO2   |
| Special Hazards      | May produce NOx, CO, CO2 when heated   |
| Protective Equipment | SCBA and full protective gear required |

### SECTION 6: Accidental Release

|                           |                                                       |
|---------------------------|-------------------------------------------------------|
| Personal Precautions      | Full PPE. Avoid contact.                              |
| Environmental Precautions | Prevent waterway/sewer entry.                         |
| Cleanup                   | Absorb with sand/earth. Collect in sealed containers. |

### SECTION 7: Handling & Storage

|               |                                                                                 |
|---------------|---------------------------------------------------------------------------------|
| Handling      | Avoid eye/skin/clothing contact. Ventilated area. No eating/drinking.           |
| Storage       | Cool, dry, ventilated. Original container. Away from food/feed/water. Max 35°C. |
| Incompatibles | Strong oxidizers, alkaline substances. See label.                               |

## SECTION 8: Exposure Controls / PPE

|                 |                                                                   |
|-----------------|-------------------------------------------------------------------|
| Respiratory     | Dust mask / respirator during handling                            |
| Eye/Face        | Safety goggles                                                    |
| Skin            | Nitrile gloves, long sleeves, closed shoes                        |
| General Hygiene | Do not eat/drink/smoke while handling. Wash thoroughly after use. |

## SECTIONS 9–16: Additional Information

**9. Physical/Chemical Properties:** See Technical Data Sheet (TDS) for full specifications

**10. Stability & Reactivity:** Stable under normal storage. Avoid heat, moisture and incompatible materials.

**11. Toxicological Information:** Low acute toxicity. May cause eye/skin irritation. No known carcinogenicity.

**12. Ecological Information:** Avoid release to environment. May be harmful to aquatic organisms at high concentrations.

**13. Disposal Considerations:** Dispose per local/national regulations. Do not pour into drains or water bodies.

**14. Transport Information:** Classify per IATA/IMDG/ADR. Provide UN number as per hazard classification.

**15. Regulatory Information:** CIB registered product. Comply with Insecticides Act 1968 and applicable local regulations.

**16. Other Information:** Prepared by: QC Department, Green Vision Technical Services. Issue: 2024.

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This SDS is prepared per GHS standards. Information believed accurate. Users must verify suitability. Not a substitute for professional advice.