



Safety Data Sheet

SDS Revision Date : 12-May-2025

SGS Reference No.: TWN 2025051201

1 Identification

- Product identifier
- Trade name: CA700 DETECTION BUFFER
- Recommended use of the chemical and restrictions on use:
- Application of the substance / the preparation: Electrolyte detection buffer
- Details of the supplier of the safety data sheet
- Manufacturer/Supplier: LIGHTTELLS CORPORATION LIMITED.
- Full address: 5F., NO.27, XIANZHENG 3RD ST. ZHUBEI CITY, HSINCHU COUNTY 30268, TAIWAN
- Phone number: +886 3 555 1389
- Email: yuhandai@vidabio.com.tw
- Emergency telephone number: +886 3 555 1389 (Poison Center)

2 Hazard(s) identification

- Classification of the substance or mixture:

This mixture is not classified as hazardous according to Regulation (EC) No 1272/2008 (CLP).

- Label elements

Hazard pictograms: None

Signal word: None

Hazard statements: None

Precautionary statements: Use personal protective equipment as required.

3 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description: Aqueous solution of the substances listed below.

| Substance Name | CAS No. | Concentration (mol/L) | GHS Classification |
|--------------------|-----------|-----------------------|--------------------------|
| Sodium hydroxide | 1310-73-2 | 0.023 | Not classified (diluted) |
| Sodium bicarbonate | 144-55-8 | 0.011 | Not classified |
| Sodium chloride | 7647-14-5 | 0.011 | Not classified |
| Potassium chloride | 7447-40-7 | 0.37 | Not classified |
| Water | 7732-18-5 | q.s. to 100% | Not classified |

4 First-aid measures

- General description: No special measures required.
- After inhalation: Move person to fresh air.
- After skin contact: Rinse with water.
- After eye contact: Rinse cautiously with water for several minutes.
- After swallowing: Rinse mouth with water.

5 Fire-fighting measures

- Suitable extinguishing agents: Water spray, foam, CO₂, dry chemical.
- Protective equipment: Use self-contained breathing apparatus for fire fighting.
- Special hazards: Non-flammable aqueous solution.

6 Accidental release measures

- Personal precautions: Use personal protective equipment.
- Environmental precautions: Do not allow to enter drains.
- Cleaning up: Absorb with inert material and dispose of according to local regulations.

7 Handling and storage

- Handling: Avoid contact with eyes.
- Storage: Keep container tightly closed in a dry, well-ventilated place.

8 Exposure controls/personal protection

- Components with limit values that require monitoring: None for this diluted mixture.
- General protective measures: Wash hands before breaks and after handling the product.
- Respiratory protection: Not required.
- Hand protection: Protective gloves.
- Eye protection: Safety glasses.

9 Physical and chemical properties

- Appearance: Clear, colorless solution

· Odor: Odorless

· pH: ~9.2

· Boiling point: ~100 °C

· Solubility in water: Complete



10 Stability and reactivity

- Reactivity: Stable under normal conditions.
- Chemical stability: Stable at room temperature.
- Possibility of hazardous reactions: None known.
- Conditions to avoid: Avoid mixing with strong acids.
- Incompatible materials: Strong acids.
- Hazardous decomposition products: None known.

11 Toxicological information

- Acute toxicity: Not classified as toxic under GHS.
- Skin corrosion/irritation: May cause mild irritation.

- Serious eye damage/irritation: May cause mild eye irritation.
- Respiratory or skin sensitization: No sensitizing effects known.
- Additional toxicological information: Non-hazardous under normal use conditions.

12 Ecological information

- Ecotoxicity: Not expected to be harmful.
- Persistence and degradability: Readily soluble in water.
- Bioaccumulative potential: Not expected to bioaccumulate.
- Mobility in soil: High mobility in aqueous systems.
- Other adverse effects: None known.

13 Disposal considerations

- Waste treatment methods:
- Recommendation: Dispose of contents/container in accordance with local regulations.
- Uncleaned packaging: Rinse with water before disposal.

14 Transport information

- UN Number: Not applicable.
- UN proper shipping name: Not regulated as dangerous goods.
- Transport hazard class(es): Not applicable.
- Packing group: Not applicable.
- Environmental hazards: Not classified as a marine pollutant.
- Special precautions for user: None.
- Transport in bulk: Not applicable.

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture:
- TSCA (USA): All components listed.

- REACH (EU): All components are compliant or exempt.
- California Proposition 65: This product does not contain any substances known to the State of California to cause cancer or reproductive harm.

16 Other information

- SDS Prepared By: LIGHTTELLS CORPORATION LIMITED
- Date of Preparation: 12-May-2025
- Disclaimer: The information provided in this SDS is accurate to the best of our knowledge and is provided in good faith. Users are responsible for ensuring suitability for their intended use.

