

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING**

**Product code** LX200CALK25  
**Product name** LUMINEX 200 CALIBRATION KIT

**Company/Undertaking Identification**

INVITROGEN CORPORATON  
5791 VAN ALLEN WAY  
PO BOX 6482  
CARLSBAD, CA 92008  
760-603-7200

INVITROGEN CORPORATION  
5250 MAINWAY DRIVE  
BURLINGTON, ONT  
CANADA L7L 6A4  
800-263-6236

GIBCO PRODUCTS  
INVITROGEN CORPORATION  
3175 STALEY ROAD P.O. BOX 68  
GRAND ISLAND, NY 14072  
716-774-6700

**24 hour Emergency Response  
(Transport):** 866-536-0631  
301-431-8585  
Outside of the U.S. ++1-301-431-8585

For research use only

**2. COMPOSITION/INFORMATION ON INGREDIENTS****Hazardous/Non-hazardous Components**

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

**3. HAZARDS IDENTIFICATION****Emergency Overview**

The product contains no substances which at their given concentration, are considered to be hazardous to health

### 3. HAZARDS IDENTIFICATION

Form  
Liquid

#### Principle Routes of Exposure/ Potential Health effects

**Eyes** No information available  
**Skin** No information available  
**Inhalation** No information available  
**Ingestion** May be harmful if swallowed.

#### Specific effects

**Carcinogenic effects** No information available  
**Mutagenic effects** No information available  
**Reproductive toxicity** No information available  
**Sensitization** No information available

**Target Organ Effects** No information available

#### HMIS

Health	0
Flammability	0
Reactivity	0

### 4. FIRST AID MEASURES

**Skin contact** Wash off immediately with plenty of water. If symptoms persist, call a physician.  
**Eye contact** Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.  
**Ingestion** Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.  
**Inhalation** Move to fresh air. If symptoms persist, call a physician.  
**Notes to physician** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media** Dry chemical  
**Special protective equipment for firefighters** Wear self-contained breathing apparatus and protective suit

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions** Use personal protective equipment  
**Methods for cleaning up** Soak up with inert absorbent material.

### 7. HANDLING AND STORAGE

**Handling** No special handling advice required  
**Storage** Keep in properly labelled containers

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational exposure controls

#### Exposure limits

**Engineering measures** Ensure adequate ventilation, especially in confined areas

#### Personal protective equipment

**Respiratory Protection** In case of insufficient ventilation wear suitable respiratory equipment

**Hand protection**

Protective gloves

**Eye protection**

Safety glasses with side-shields

**Skin and body protection**

Lightweight protective clothing.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice

**Environmental exposure controls**

Prevent product from entering drains.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General Information

**Form**

Liquid

### Important Health Safety and Environmental Information

**Boiling point/range**

°C No data available

°F No data available

**Melting point/range**

°C No data available

°F No data available

**Flash point**

°C No data available

°F No data available

**Autoignition temperature**

°C No data available

°F No data available

**Oxidizing properties**

No information available

**Water solubility**

No data available

## 10. STABILITY AND REACTIVITY

**Stability**

Stable.

**Materials to avoid**

No information available

**Hazardous decomposition products**

No information available

**Polymerization**

Hazardous polymerisation does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

#### Principle Routes of Exposure/

#### Potential Health effects

**Eyes**

No information available

**Skin**

No information available

**Inhalation**

No information available

Ingestion

May be harmful if swallowed.

**Specific effects**

**Carcinogenic effects**  
**Mutagenic effects**  
**Reproductive toxicity**  
**Sensitization**

**(Long Term Effects)**

No information available  
No information available  
No information available  
No information available

**Target Organ Effects**

No information available

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity effects**

No information available.

**Mobility**

No information available.

**Biodegradation**

Inherently biodegradable.

**Bioaccumulation**

Does not bioaccumulate.

**13. DISPOSAL CONSIDERATIONS**

Dispose of in accordance with local regulations

**14. TRANSPORT INFORMATION**

**IATA**

**Proper shipping name**

Not classified as dangerous in the meaning of transport regulations

**Hazard Class**

No information available

**Subsidiary Class**

No information available

**Packing group**

No information available

**UN-No**

No information available

**15. REGULATORY INFORMATION**

**International Inventories**

**U.S. Federal Regulations**

**SARA 313**

This product is not regulated by SARA.

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain HAPs.

**U.S. State Regulations**

**California Proposition 65**

This product does not contain chemicals listed under Proposition 65

**WHMIS hazard class:**

Non-controlled

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

## **16. OTHER INFORMATION**

For research use only

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS MSDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

**End of Safety Data Sheet**