



New England Biolabs  
240 County Road  
Ipswich, MA 01938

## MATERIAL SAFETY DATA SHEET

Telephone: (978)927-5054  
Toll free: (800)632-5227  
Fax: (978)921-1350  
Email: info@neb.com  
Revision Date: 09/21/2011

**NEB# B7022**

### SECTION 1—CHEMICAL INFORMATION

Product Name: Gel Loading Dye, Orange (6X)

Cas.# None

Cas.# None

### SECTION 2—COMPOSITION/INFORMATION ON INGREDIENT

- |               |      |                  |
|---------------|------|------------------|
| 1. Ficoll-400 | 15%  | Cas.# 26873-85-8 |
| 2. EDTA       | 2.5% | Cas.# 60-00-4    |

The ingredients listed in this section include only those items that have more than 1% of a component classified as hazardous and 0.1% of a component classified as carcinogenic. If you have any questions, please contact info@neb.com.

### SECTION 3—HAZARDOUS IDENTIFICATION

**Emergency Overview:** May cause irritation to eyes.

**HMIS and NFPA Ratings:** 0 – Minimal or None, 1 – Slight, 2 – Moderate, 3 – Serious, and 4 – Severe

Health: 0  
Flammability: 0  
Reactivity: 0

### SECTION 4—FIRST AID MEASURES

**Eyes:** Flush eyes with water as a precaution.

**Skin:** Wash skin with soap and copious amount of water.

**Ingestion:** If the person is conscious, wash out mouth with water. Call a physician.

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

### SECTION 5—FIRE FIGHTING MEASURES

**Extinguishing Media:** Water spray. Alcohol-resistant foam, dry chemical or carbon dioxide.

**Special Fire Fighting Procedures:** Wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Fire and Explosion Hazards:** Wear self contained breather apparatus for fire fighting if necessary.

### SECTION 6—ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Avoid dust mixed with mist or liquid formation.

**Environmental Precautions:** Do not let product enter drains.

**Methods For Cleaning Up:** Sweep up solid material and shovel. Absorb and soak liquid with inert material. Keep in suitable, closed containers for disposal covered.

## SECTION 7—HANDLING AND STORAGE

**Handling:** Provide appropriate exhaust ventilation at place where dust formed. Normal measure for preventive fire protection.

**Storage:** Keep tightly closed in a dry and well ventilated place.

## SECTION 8—EXPOSURE CONTROLS/PPE

**Engineering Controls:** Safety shower and eye wash. Mechanical exhaust.

**Personal Protective Equipment:**

**Eye Protection:** Safety glasses.

**Hand Protection:** For prolonged or repeated contact use compatible resistant gloves.

**Respiratory Protection:** None required.

**Hygiene Measure:** General industrial hygiene practice

## SECTION 9—PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid      Color: Clear

<b>Property</b>	<b>Value</b>	<b>Temperature or Pressure</b>
Boiling point:	No data available	
Melting point :	No data available	
Flash point:	No data available	
Ignition temperature:	No data available	
Lower explosion limit:	No data available	
Upper explosion limit:	No data available	
Solubility in Water:	Soluble	

## SECTION 10—STABILITY AND REACTIVITY

**Stability:** Stable under recommended storage conditions.

**Materials to Avoid:** Strong oxidizing agents.

**Hazardous Decomposition Product formed under fire conditions.** Carbon oxides

## SECTION 11—TOXICOLOGICAL INFORMATION

**Acute toxicity**  
no data available

**Irritation and corrosion**  
no data available

**Sensation**  
no data available

**Chronic Exposure**  
No data available.

### Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Eye Contact:** May cause irritation.

**Skin Contact:** May be harmful if absorbed through skin. May cause skin irritation.

**Ingestion:** May be harmful if swallowed.

**Inhalation:** May be harmful if inhaled. May cause of respiratory tract irritation.

## SECTION 12—ECOLOGICAL INFORMATION

No data available.

## SECTION 13—DISPOSAL CONSIDERATIONS

Dispose of container, unused contents and contaminated packaging in accordance with federal, state and local requirement. Contract with a licensed Chemical Waste Disposal Service.

## SECTION 14—TRANSPORT INFORMATION

This product is not dangerous and no special precautions are needed according to DOT (US), IMDG, IATA.

## SECTION 15—REGULATORY INFORMATION

**OSHA Hazards:** None known.

**US Classification and Label Test**

**US Statements:** Caution. Avoid contact and inhalation.

**United States Regulatory Information:**

Sara Listed: No

TSCA Inventory Item: Yes

**Canada Regulatory Information**

**WHMIS Classification:** This product contains components listed on the Canadian NDSL list. All other components are on the Canadian DSL list. Sucrose, epichlorohydrin copolymer.

**DSL:** Yes

**NDSL:** No

**EU Additional Classification**

S: 23 24/25

## SECTION 16—OTHER INFORMATION

### DISCLAIMER

The information provided on the MSDS is furnished in good faith and based on our present knowledge. However, this MSDS shall not constitute a guarantee of any kind. Personnel handling this material must make independent determinations of the suitability and completeness of information from all sources to assure proper use and disposal of this material and the safety and health of employees and customers. NEB assumes no additional liability or responsibility resulting from the use of, or reliance on this information. This product is for R&D use only. Not for drug, household or other uses.

Questions about the information found on this MSDS should be directed to info@neb.com.