

# M3 Marker

## MSDS

## Material Safety Data Sheet

**Product:** M3 Marker

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** M1 Marker

**Product Number:** 3203

**Application of the substance:** Laboratory chemicals intended for research use only

**Manufacturer / Supplier :**

abc biopply  
anfass LT AG (Dept.)  
Gewerbstrasse  
6330 Cham  
Switzerland  
Tel.: 0041 41 747 25 50  
Fax: 0041 41 743 25 36  
www.biopply.com

### 2. COMPOSITION / DATA ON COMPONENTS

**Chemical Characterisation**

**Reagent CAS#**

- Tris (Trishydroxymethylaminomethane) CAS: 77-86-1
- Acetic acid CAS: 64-19-7 (EINECS: 200-580-7)
- EDTA (Ethylenediamine tetraacetic acid) CAS: 60-00-4 (EINECS: 200-449-4)
- Sucrose CAS: 57-50-1 (EINECS: 200-33-49)
- Glycerol CAS: 56-81-5 (EINECS: 200-289-5)
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**Other Components:**

Components not listed here are not dangerous or their concentrations do not exceed the limits specified in the EU directive 1999/45/EC.

### 3. HAZARD IDENTIFICATION

**Primary routes of entry**

Skin or eye contact from splashes.  
Inhalation of the vapour at room temperature is unlikely.

**Ingestion**

May cause irritation of the digestive tract.

**Skin contact**

May cause skin irritation.

**Eye contact**

May cause irritation.

**Evidence for reproductive toxicity, carcinogenicity and mutagenicity**

No data available.

### 4. FIRST AID MEASURES

**After skin contact**

Wash skin with water and soap and rinse thoroughly. Remove contaminated clothing.

**After eye contact**

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Rinse opened eyes for at least 15 minutes under running water. Get medical attention if eyes become irritating.

### **After swallowing (ingestion)**

Rinse mouth. Drink plenty of water. Get medical attention if irritating or symptoms occur.

## 5. FIRE FIGHTING MEASURES

### **Fire and explosion hazards**

Gives off irritating or toxic fumes in a fire.

### **Suitable extinguishing media**

Water spray, carbon dioxide, Dry Chemical powder or appropriate foam.

### **Protective equipment**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions**

Use proper personal protective equipment as indicated in Section 8.

### **Measures for cleaning / collecting**

Sweep up or absorb material, then place it into container for disposal. Dispose of in accordance with federal, state and local environmental regulations. Wash spill site after material pickup is complete.

## 7. HANDLING AND STORAGE

### **Handling**

No special measures necessary. Good laboratory technique should be used when handling.

### **Storage**

Store at -20°C.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### **Exposure limits**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

### **Eye protection**

Safety goggles (glasses).

### **Skin protection**

Protective gloves, a lab coat.

### **Hygiene measures**

Keep away from foodstuffs and beverages. Avoid contact with the eyes and skin. Do not eat, drink or smoke while working with products.

### **Breathing equipment**

Not required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### **Appearance Flash point**

Liquid. No data available.

### **Colour Explosive properties**

Colourless. No data available.

### **Odour Vapour pressure**

Odourless. No data available.

### **Malting point/Melting range:**

Not applicable

### **Boiling point/ Boiling range**

100 %.

### **Density:**

Not determined

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### **Solubility in / Miscibility with Water:**

Fully miscible

### **10. STABILITY AND REACTIVITY**

#### **Stability**

Stable, under normal handling and storage conditions.

#### **Thermal Decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

#### **Conditions to avoid:**

Contact with strong oxidants, fire.

### **11. TOXICOLOGICAL INFORMATION**

The toxicological properties of those materials have not been fully investigated.

Irritating to eyes.

Irritating to skin.

Harmful if swallowed.

Preparations may cause allergic reactions in certain sensitive individuals.

### **12. ECOLOGICAL INFORMATION**

No data available.

### **13. DISPOSAL CONSIDERATIONS**

Dispose of in accordance with federal, state and local environmental regulations.

### **14. TRANSPORT INFORMATION**

Not regulated.

### **15. REGULATORY INFORMATION**

#### **R22**

Harmful if swallowed.

#### **R36**

Irritating to eyes.

#### **R38**

Irritating to skin.

#### **S36/37/39**

Wear suitable protective clothing, gloves and eye/face protection.

### **16. OTHER INFORMATION**

This information is based on our present knowledge and shall be used only as a guide. However, this shall not constitute a guarantee for any specific product features. abc biopply is not held liable for any damage resulting from handling or from contact with the above products. MSDS has been prepared in accordance with EU Directive 67/548/EEC, 91/155/EEC and other EU Community legislations in force.

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