

## Safety Data Sheet

### E-Block

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#### 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name:</b>	<b>E-Block</b>
<b>Product Number:</b>	BME101-001003-01
<b>Brand:</b>	RONAWK
<b>General use:</b>	For use to grow cells, produce cells, deliver cells, tissue engineering and regenerative medicine, drug delivery, and basic science research. Not for diagnostic or human use, for research only.
<b>Company Address:</b>	500 N. Rogers Rd., Suite 500-B20, Olathe, KS 66062
<b>Telephone:</b>	913 477-3055
<b>Email:</b>	<a href="mailto:info@ronawk.com">info@ronawk.com</a>
<b>Ver.</b>	1.0
<b>Date:</b>	01/21/2022

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#### 2. HAZARDS IDENTIFICATION

**Pictogram:**



**Single Word:** Danger

**Hazard Statements:**

<b>H315</b>	Skin irritation (Category 2)
<b>H317</b>	Skin sensitization (Category 1)
<b>H318</b>	Serious eye damage (Category 1)
<b>H361</b>	Reproductive toxicity (Category 2)

**Precautionary Statements:**

<b>P201</b>	Obtain special instructions before use.
<b>P202</b>	Do not handle until all safety precautions have been read and understood.

**P261** Avoid breathing dust/ fume/ gas / mist/ vapors/ spray.  
**P264** Wash skin thoroughly after handling.  
**P272** Contaminated work clothing should not be allowed out of the workplace.  
**P280** Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**P302 + P352** IF ON SKIN: Wash with plenty of soap and water.  
**P305 + P351 + P338 + P310** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.  
**P308 + P313** IF exposed or concerned: Get medical advice/ attention.  
**P333 + P313** If skin irritation or rash occurs: Get medical advice/ attention.  
**P362** Take off contaminated clothing and wash before reuse.  
**P405** Store locked up.  
**P501** Dispose of contents/ container to an approved waste disposal plant.

**HMIS Rating**  
**Health hazard** 2 (Acute effects)  
**Chronic Health hazard** \*  
**Flammability** 0  
**Physical hazard** 0  
**NFP Rating**  
**Health hazard** 2  
**Fire hazard** 0  
**Reactivity hazard** 0

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS#	EC No.	EC Class
Poly(ethylene glycol) diacrylate	26570-48-9	607-960-5	Hazardous
Gelatin Methacrylate (GelMa)	Substance	None	Not classified as hazardous

### 4. FIRST AID MEASURES

**General Advice** Consultant a physician. Show this safety data sheet to the doctor in attendance. Move out of a dangerous area.

**If inhaled** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact** Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Most important symptoms and effects, both acute and delayed**

- Causes skin irritation.
- Causes serious eye damage.
- May cause respiratory irritation.
- May cause an allergic skin reaction.

**Indication of any immediate medical attention and special treatment needed**

No further information available.

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## 5. FIREFIGHTING MEASURES

**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

**Special hazards arising from the substance or mixture**

Danger of containers bursting upon heating. If this product is involved in a fire, carbon monoxide and carbon dioxide can be released.

**Advice for firefighters**

Wear self-contained respirator. Wear fully protective impervious suit.

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## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

### **Environmental precautions**

#### **Methods and materials for containment and cleaning up**

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

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## **7. HANDLING AND STORAGE**

### **Precautions for safe handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed.

### **Conditions for safe storage**

Recommended storage temperature: 4 °C. Handle and store under sterile saline. Light sensitive. Moisture sensitive.

Keep container tightly sealed in a humidified place. Store away from free radical initiators. Store away from air. Store in the dark. Protect from heat. Store away from oxidizing agents. Store away from amines.

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## **8. EXPOSURE CONTROL/PERSONAL PROTECTION**

### **Control parameters**

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

### **General protective and hygienic measures**

The usual precautionary measures for handling chemicals should be followed. Wash hands before breaks and the end of work. Avoid contact with the eyes and skin.

**Breathing equipment** N/A.

**Gloves** Nitrile rubber, at least 0.11 mm thickness.

**Eye Protection**                      Tightly sealed goggles.

**Body Protection**    Protective work clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance Form</b>	Solid
<b>Color</b>	Yellow to Translucent
<b>Odor</b>	No data available
<b>pH</b>	No data available
<b>Melting point</b>	59 – 63 °C (138 – 145 °F)
<b>Initial boiling point</b>	No data available
<b>Flash point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flammability (solid/gas)</b>	No data available
<b>Upper/lower</b>	No data available
<b>Flammability or explosive limits</b>	No data available
<b>Vapor pressure</b>	No data available
<b>Vapor density</b>	No data available
<b>Relative density</b>	No data available
<b>Water solubility</b>	No data available
<b>Partition coefficient: n-octane/water</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive properties</b>	No data available
<b>Oxidizing properties</b>	No data available

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	No data available
<b>Chemical stability</b> S	table under recommended storage conditions
<b>Possibility of hazardous reactions</b>	No data available
<b>Conditions to avoid</b>	Elevated temperatures. Direct heating, dirt, chemical contamination, sunlight, UV or ionizing radiation. May polymerize on exposure to light.
<b>Incompatible materials</b>	Strong oxidizing agents, Amines, Free radical initiators, Chemically active metals
<b>Hazardous decomposition products</b>	

Hazardous decomposition products formed under fire conditions – Carbon oxides

**Other decomposition products** No data available

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity</b>	No data available
<b>Inhalation</b>	No data available
<b>Dermal</b>	No data available
<b>Skin corrosion/irritation</b>	No data available
<b>Serious eye damage/eye irritation</b>	No data available
<b>Respiratory or skin sensation</b>	No data available
<b>Germ cell mutagenicity</b>	No data available
<b>Carcinogenicity</b>	No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA, or ACGIH
<b>Reproductive toxicity</b>	No data available
<b>Specific target organ toxicity – single exposure</b>	No data available
<b>Specific target organ toxicity – repeated exposure</b>	No data available
<b>Aspiration hazard</b>	No data available
<b>Additional Information</b>	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## 12. ECOLOGICAL INFORMATION

<b>Toxicity</b>	No data available
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulative potential</b>	No data available
<b>Mobility in soil</b>	No data available
<b>Results of PBT and vPvB assessment</b>	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
<b>Other adverse effects</b>	No data available

## 13. DISPOSAL CONSIDERATIONS

<b>Product</b>	Consult state local, or national regulations to ensure proper disposal. Contact a licensed professional waste disposal service to dispose of this material.
<b>Contaminated packaging</b>	Disposal must be made according to official regulations.

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#### **14. TRANSPORT INFORMATION**

<b>DOT (US)</b>	Not dangerous goods
<b>IMDG/IMO</b>	Not dangerous goods
<b>IATA</b>	Not dangerous goods
<b>TDG</b>	Not dangerous goods

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#### **15. REGULATORY INFORMATION**

**SARA 302 Components** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components** This material does not contain any chemical components with known CAS numbers that exceed the threshold (DeMinimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards** Acute Health Hazard

**Massachusetts Right To Know Components** No components are subject to the Massachusetts Right To Know Act.

**Pennsylvania Right To Know Components** Poly(ethylene glycol) diacrylate solid. CAS# 26570-48-9, Gelatin Methacrylate

**New Jersey Right To Know Components** Poly(ethylene glycol) diacrylate solid. CAS# 26570-48-9, Gelatin Methacrylate

**California Prop. 65 Components** This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

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## **16.OTHER INFORMATION**

This information is correct to the best of our knowledge. We cannot accept liability for any loss, injury or damage which may result from its use.