



# Bee Beautiful

## Citric Acid

### Material Safety Data Sheet

**Product Name**

Citric Acid

**Supplier**

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**Composition/Ingredients Information**

**CAS number:** 77-92-9.

**EINECS number:** 201-069-1.

**Use/description of product:** low hazard in normal conditions of handling and use.

**Hazard Identification**

**Main Hazard:** Irritating to eyes.

**Other Hazards:** This product has a relatively low toxicity rating and no handling problems are likely to be encountered providing normal safe practices of hygiene are applied.

**First Aid Measures**

**Inhalation:** Exposure may cause coughing or wheezing. Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. Consult a doctor.

**Eye exposure:** There may be irritation and redness. Bathe the eye with running water for 15 minutes. If eye irritation persists, consult a specialist.

**Skin exposure:** There may be mild irritation at the site of contact. Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected area with running water for 10 minutes or longer if substance is still on skin.

**Ingestion:** Low oral toxicity. Do not induce vomiting. If conscious, give 1 pint of water to drink immediately.



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### Fire-Fighting Measures

**Extinguishing media:** Water spray, carbon dioxide, alcohol or polymer foam, dry chemical powder.

**Exposure Hazards:** Material is not flammable.

**Protection of fire fighters:** Wear self contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

### Accidental Release Measures

**Personal precautions:** Do not create dust.

**Environmental precautions:** Do not discharge into drains or rivers.

**Clean-up procedure:** Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### Handling and Storage

Ensure there is sufficient ventilation of the area. Avoid the formation or spread of dust in the air. Store in cool, well ventilated area. Keep away from direct sunlight.

### Exposure Control/Personal Protection

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Respiratory protective device with particle filter.

**Hand protection:** Protective gloves.

**Eye protection:** Safety goggles.

**Skin protection:** Always wash thoroughly after handling chemicals.



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### Physical and Chemical Properties

**State:** Crystals.

**Colour:** White.

**Odour:** Odourless.

**Solubility in water:** Soluble

**Melting point /range:** 153 deg. C.

**Vapour pressure:** N/a.

**Relative density:** 1.542

**pH:** 2.2-2.5(5%)

### Stability/Reactivity

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

**Conditions to avoid:** Direct sunlight, heat.

**Materials to avoid:** Strong bases. Solutions are mildly corrosive to steel.

### Toxicological Information

Effects of exposure: watering of the eyes.

### Ecological Information

**Mobility:** Soluble in water.

**Persistence and degradability:** Biodegradable.

**Other adverse effects:** Highly toxic for fish, not considered to be toxic for bacteria.

### Disposal Consideration

Dispose of waste only in accordance with local or national regulations.

**Waste disposal:** Neutralising agents soda ash or sodium bicarbonate.



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### **Transport Information**

Not hazardous according to transport regulations.

### **Regulatory Information According to Directive 88/379/EEC**

No significant hazard.

**Risk phrases:** R36,irritating to eyes.

**Safety phrases:** S26, in case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

### **Q.C. Requirements**

In line with general product specification. Always satisfy suitability for specific application.

This information relates only to the specific product designated and may not be valid for such product used in combination with any other materials or processes. Such information is, to the best of our knowledge and belief, accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for their own particular use.