



Gelpke & Bate  
Limited

## SAFETY DATA SHEET

### Tartaric Acid

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product name Tartaric Acid  
CAS number 87-69-4  
EC number 201-766-0  
Reach Preregistration Number 17-2119384585-26-XXXX

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Used as an acidulent of beverages and other foods. Can be used for gypsum production.

##### 1.3. Details of the supplier of the safety data sheet

Supplier Gelpke & Bate Limited  
Camomile House  
Kings Cross Lane  
South Nutfield  
Redhill  
Surrey, RH1 5NG  
T: 01737 822244  
F: 01737 822081  
sales@gelpkeandbate.co.uk

##### 1.4. Emergency telephone number

Emergency telephone National Chemical Emergency Centre (24 hours) 01865 407333

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification

Physical hazards Not Classified  
Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335  
Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) According to 67/548 EEC and Regulation (EC) 1272/2008

Human health Irritating to eyes. Irritating to skin.

##### 2.2. Label elements

EC number 201-766-0

###### Pictogram



# Tartaric Acid

<b>Signal word</b>	Warning
<b>Hazard statements</b>	H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation.
<b>Precautionary statements</b>	P261 Avoid breathing vapour/spray. P264 Wash contaminated skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 IF ON SKIN: Wash with plenty of water. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 Call a POISON CENTER/doctor if you feel unwell. P321 Specific treatment (see medical advice on this label). P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container in accordance with national regulations.

## 2.3. Other hazards

No Information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

<b>Product name</b>	Tartaric Acid
<b>CAS number</b>	87-69-4
<b>EC number</b>	201-766-0

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General information</b>	In all cases of doubt, or when symptoms persist, seek medical attention.
<b>Inhalation</b>	Remove to fresh air. Get medical attention for any breathing difficulty.
<b>Ingestion</b>	Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. If large amounts were swallowed of symptoms occur, get medical advice.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Immediately flush with water for 15 minutes. Get medical attention if irritation persists after washing.

### 4.2. Most important symptoms and effects, both acute and delayed

### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Specific treatments</b>	If skin irritation or rash occurs, seek medical advice/attention.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Water. Dry chemicals. Foam.
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**Unsuitable extinguishing media** Not available.

## **5.2. Special hazards arising from the substance or mixture**

**Specific hazards** Development of hazardous combustion gases or vapors in the event of fire due to product packages.

## **5.3. Advice for firefighters**

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel** Avoid inhalation of vapour dust. Avoid skin and eye contact. Provide adequate ventilation. Remove ignition sources. Wear protective gloves / protective clothing / eye protection / face protection.

**For emergency responders** Wear and appropriate NIOSH / MSHA approved respirator if mist, vapor or dust is generated.

### **6.2. Environmental precautions**

**Environmental precautions** Do not allow material to be released into the environment without proper governmental precautions.

### **6.3. Methods and material for containment and cleaning up**

**Methods for cleaning up** Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust.

### **6.4. Reference to other sections**

**Reference to other sections** See section 7 for information on safe handling For personal protection, see Section 8. For waste disposal, see Section 13.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

**Usage precautions** Wash skin thoroughly after handling. Provide adequate ventilation. Avoid contact with skin, eyes and clothing. Keep container tightly sealed when not in use. Protect from light.

**Advice on general occupational hygiene** Do not eat, drink or smoke in work areas. Wash hands thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas.

### **7.2. Conditions for safe storage, including any incompatibilities**

**Storage precautions** Keep in a cool, well ventilated place. Store in a dry place. Protect against any physical damage. Eliminate all sources of ignition. Keep away from heat.

### **7.3. Specific end use(s)**

**Specific end use(s)** Not applicable.

## **SECTION 8: Exposure Controls/personal protection**

### **8.1. Control parameters**

#### **Occupational exposure limits**

Not available.

### **8.2. Exposure controls**

**Appropriate engineering controls** Provide eyewash station and safety shower. Use adequate ventilation to keep airborne concentrations low.

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<b>Eye/face protection</b>	Wear protective glasses.
<b>Hand protection</b>	Wear appropriate gloves.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of skin contact.
<b>Respiratory protection</b>	In case of dust, wear suitable respiratory equipment.
<b>Thermal hazards</b>	Wear suitable protective clothing to prevent heat.
<b>Environmental exposure controls</b>	Avoid discharge into the environment. According to local registrations, federal and official regulations.

### SECTION 9: Physical and Chemical Properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Solid.
<b>Colour</b>	White.
<b>Odour</b>	Odourless.
<b>Odour threshold</b>	Not available.
<b>pH</b>	2.2
<b>Melting point</b>	168-170°C
<b>Initial boiling point and range</b>	Not available.
<b>Flash point</b>	209 degrees C
<b>Evaporation rate</b>	Not available.
<b>Evaporation factor</b>	Not available.
<b>Flammability (solid, gas)</b>	Not flammable.
<b>Upper/lower flammability or explosive limits</b>	Not available.
<b>Vapour pressure</b>	< 5 Pa @ 20 degrees C
<b>Vapour density</b>	5.18
<b>Relative density</b>	1.7598 g/cm <sup>3</sup> @ 20°C
<b>Bulk density</b>	Not available.
<b>Solubility(ies)</b>	Water @ 20 degrees C - log Pow = -1.43
<b>Auto-ignition temperature</b>	425°C
<b>Decomposition Temperature</b>	>170°C
<b>Viscosity</b>	Not available.
<b>Explosive properties</b>	Not available.
<b>Oxidising properties</b>	Not available.

#### 9.2. Other information

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	The substance is stable under normal storage and handling conditions.
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## 10.2. Chemical stability

**Stability** Stable at room temperature in closed containers under normal storage and handling conditions.

## 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** No dangerous reactions known

## 10.4. Conditions to avoid

**Conditions to avoid** Incompatible materials. Dust. Excessive heat.

## 10.5. Incompatible materials

**Materials to avoid** Not available.

## 10.6. Hazardous decomposition products

**Hazardous decomposition products** When ignited it gradually decomposes emitting an odour resembling that of burning sugar.

## **SECTION 11: Toxicological information**

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** 4360 mg/kg

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Not available.

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Not available.

#### Respiratory sensitisation

**Respiratory sensitisation** Not Classified

#### Skin sensitisation

**Skin sensitisation** Not Classified

#### Germ cell mutagenicity

**Genotoxicity - in vitro** Not Classified

**Genotoxicity - in vivo** Not Classified

#### Carcinogenicity

**Carcinogenicity** Not Classified

#### Reproductive toxicity

**Reproductive toxicity - fertility** Not Classified

**Reproductive toxicity - development** Not Classified

#### Specific target organ toxicity - single exposure

**STOT - single exposure** Not classified.

#### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Not classified.

#### Aspiration hazard

**Aspiration hazard** Not Classified

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## SECTION 12: Ecological Information

### 12.1. Toxicity

EC 50 Daphnia 24Hrs            EC50 - 230mg/l - 48H - OECD 202

Acute toxicity - fish            LC50 150mg/l - 96h OECD 203

Acute toxicity - microorganisms            EC50 - Algae - 72H - OECD 201

### 12.2. Persistence and degradability

### 12.3. Bioaccumulative potential

Bioaccumulative potential            Not applicable.

### 12.4. Mobility in soil

Mobility            Not applicable.

### 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment            Not applicable.

### 12.6. Other adverse effects

Other adverse effects            Do not empty into drains.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information**            Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**Disposal methods**            If empty container retains product residues, all label precautions must be observed. Return for reuse or dispose according to national or local regulations.

## SECTION 14: Transport information

**General**            Not regulated.

**Road transport notes**            Not regulated.

**Rail transport notes**            Not regulated.

**Sea transport notes**            Not regulated.

**Air transport notes**            Not regulated.

### 14.1. UN number

Not regulated.

### 14.2. UN proper shipping name

Not regulated.

### 14.3. Transport hazard class(es)

Not regulated.

### 14.4. Packing group

Not regulated.

### 14.5. Environmental hazards

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## 14.6. Special precautions for user

See section 2.2.

## 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Not regulated.

Annex II of MARPOL 73/78  
and the IBC Code

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**National regulations** Not applicable.

**EU legislation** Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.

**Authorisations (Title VII Regulation 1907/2006)** Not applicable.

**Restrictions (Title VIII Regulation 1907/2006)** Not applicable.

### 15.2. Chemical safety assessment

No data available.

## SECTION 16: Other information

**General information** This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

**Training advice** Not applicable.

**SDS number** 20296

**Hazard statements in full** H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

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