# SAFETY DATA SHEET
## Tartaric Acid

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

### 1.1. Product identifier

<table>
<thead>
<tr>
<th>Product name</th>
<th>Tartaric Acid</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number</td>
<td>87-69-4</td>
</tr>
<tr>
<td>EC number</td>
<td>201-766-0</td>
</tr>
<tr>
<td>Reach Preregistration Number</td>
<td>17-2119384585-26-XXXX</td>
</tr>
</tbody>
</table>

### 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

<table>
<thead>
<tr>
<th>EC number</th>
<th>201-766-0</th>
</tr>
</thead>
</table>

**Pictogram**

![Pictogram](image-url)
Tartaric Acid

Signal word

Warning

Hazard statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary statements

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

Product name Tartaric Acid
CAS number 87-69-4
EC number 201-766-0

SECTION 4: First aid measures

4.1. Description of first aid measures

General information In all cases of doubt, or when symptoms persist, seek medical attention.
Inhalation Remove to fresh air. Get medical attention for any breathing difficulty.
Ingestion 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.
Skin contact Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
Eye contact 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

Specific treatments If skin irritation or rash occurs, seek medical advice/attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Water. Dry chemicals. Foam.
Tartaric Acid

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.
Tartaric Acid

**Eye/face protection**
Wear protective glasses.

**Hand protection**
Wear appropriate gloves.

**Other skin and body protection**
Wear appropriate clothing to prevent any possibility of skin contact.

**Respiratory protection**
In case of dust, wear suitable respiratory equipment.

**Thermal hazards**
Wear suitable protective clothing to prevent heat.

**Environmental exposure controls**
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

**Appearance**
Solid.

**Colour**
White.

**Odour**
Odourless.

**Odour threshold**
Not available.

**pH**
2.2

**Melting point**
168-170°C

**Initial boiling point and range**
Not available.

**Flash point**
209 degrees C

**Evaporation rate**
Not available.

**Evaporation factor**
Not available.

**Flammability (solid, gas)**
Not flammable.

**Upper/lower flammability or explosive limits**
Not available.

**Vapour pressure**
< 5 Pa @ 20 degrees C

**Vapour density**
5.18

**Relative density**
1.7598 g/cm3 @ 20°C

**Bulk density**
Not available.

**Solubility(ies)**
Water @ 20 degrees C - log Pow = -1.43

**Auto-ignition temperature**
425°C

**Decomposition Temperature**
>170°C

**Viscosity**
Not available.

**Explosive properties**
Not available.

**Oxidising properties**
Not available.

#### 9.2. Other information

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity**
The substance is stable under normal storage and handling conditions.
Tartaric Acid

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

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 LD₅₀) 4360 mg/kg

Acute toxicity - dermal
Notes (dermal LD₅₀) Not available.

Acute toxicity - inhalation
Notes (inhalation LC₅₀) Not available.

Respiratory sensitisation
Not Classified

Skin sensitisation
Not Classified

Germ cell mutagenicity
Genotoxicity - in vitro Not Classified
Genotoxicity - in vivo Not Classified

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
Tartaric Acid

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
Tartaric Acid

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 Annex II of MARPOL 73/78 and the IBC Code

Not regulated.

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.