

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixtures  
Product name : Tartaric Acid, 10% w/v  
Product code : LC25970

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : For laboratory and manufacturing use only.  
Recommended use : Laboratory chemicals  
Restrictions on use : Not for food, drug or household use

#### 1.3. Supplier

LabChem Inc  
Jackson's Pointe Commerce Park Building 1000, 1010 Jackson's Pointe Court  
Zelienople, PA 16063 - USA  
T 412-826-5230 - F 724-473-0647  
[info@labchem.com](mailto:info@labchem.com) - [www.labchem.com](http://www.labchem.com)

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300 or +1-703-741-5970

### SECTION 2: Hazard(s) identification

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

##### GHS-US classification

Serious eye damage/eye irritation Category 1 H318 Causes serious eye damage

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



GHS05

Signal word (GHS-US) : Danger  
Hazard statements (GHS-US) : H318 - Causes serious eye damage  
Precautionary statements (GHS-US) : P280 - Wear eye protection.  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P310 - Immediately call a poison center or doctor/physician.

#### 2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : None under normal conditions.

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name          | Product identifier  | %    | GHS-US classification                     |
|---------------|---------------------|------|-------------------------------------------|
| Water         | (CAS-No.) 7732-18-5 | 90.4 | Not classified                            |
| Tartaric Acid | (CAS-No.) 87-69-4   | 9.6  | Eye Dam. 1, H318<br>Aquatic Acute 3, H402 |

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Full text of hazard classes and H-statements : see section 16

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

- |                                       |                                                                                                                                                                              |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).                                            |
| First-aid measures after inhalation   | : Allow victim to breathe fresh air. Allow the victim to rest.                                                                                                               |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.                                                            |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician. |
| First-aid measures after ingestion    | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.                                                                                                   |

#### 4.2. Most important symptoms and effects (acute and delayed)

- |                                    |                              |
|------------------------------------|------------------------------|
| Symptoms/effects after eye contact | : Causes serious eye damage. |
|------------------------------------|------------------------------|

#### 4.3. Immediate medical attention and special treatment, if necessary

No additional information available

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

- |                                |                                                        |
|--------------------------------|--------------------------------------------------------|
| Suitable extinguishing media   | : Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                     |

#### 5.2. Specific hazards arising from the chemical

No additional information available

#### 5.3. Special protective equipment and precautions for fire-fighters

- |                                |                                                                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection.                                                                   |

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

- |                      |                                   |
|----------------------|-----------------------------------|
| Protective equipment | : Safety glasses.                 |
| Emergency procedures | : Evacuate unnecessary personnel. |

##### 6.1.2. For emergency responders

- |                      |                                              |
|----------------------|----------------------------------------------|
| Protective equipment | : Equip cleanup crew with proper protection. |
| Emergency procedures | : Ventilate area.                            |

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

- |                         |                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Methods for cleaning up | : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- |                               |                                                                                                                                                                                                 |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling | : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. |
| Hygiene measures              | : Wash exposed skin thoroughly after handling.                                                                                                                                                  |

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

- |                       |                                                       |
|-----------------------|-------------------------------------------------------|
| Storage conditions    | : Refrigerate. Keep container closed when not in use. |
| Incompatible products | : Strong oxidizers. Strong acids.                     |

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Incompatible materials : Sources of ignition. Direct sunlight.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Tartaric Acid (87-69-4)

Not applicable

##### Water (7732-18-5)

Not applicable

#### 8.2. Appropriate engineering controls

Appropriate engineering controls : Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

#### 8.3. Individual protection measures/Personal protective equipment

##### Personal protective equipment:

Gloves. Safety glasses.



##### Hand protection:

Wear protective gloves.

##### Eye protection:

Chemical goggles or safety glasses

##### Respiratory protection:

Respiratory protection not required in normal conditions

##### Other information:

Do not eat, drink or smoke during use.

### SECTION 9: Physical and chemical properties

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

|                                             |                     |
|---------------------------------------------|---------------------|
| Physical state                              | : Liquid            |
| Color                                       | : Colorless         |
| Odor                                        | : characteristic    |
| Odor threshold                              | : No data available |
| pH                                          | : No data available |
| Melting point                               | : No data available |
| Freezing point                              | : No data available |
| Boiling point                               | : No data available |
| Flash point                                 | : No data available |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Flammability (solid, gas)                   | : Non flammable.    |
| Vapor pressure                              | : No data available |
| Relative vapor density at 20 °C             | : No data available |
| Relative density                            | : No data available |
| Specific gravity / density                  | : 1.04 g/ml         |
| Solubility                                  | : No data available |
| Log Pow                                     | : No data available |

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|                           |                     |
|---------------------------|---------------------|
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity, kinematic      | : 1.21 cSt          |
| Viscosity, dynamic        | : No data available |
| Explosion limits          | : No data available |
| Explosive properties      | : No data available |
| Oxidizing properties      | : No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Refrigeration enhances stability.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong oxidizers. Strong bases.

### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                           |                        |
|---------------------------|------------------------|
| Likely routes of exposure | : Skin and eye contact |
| Acute toxicity            | : Not classified       |

| Tartaric Acid (87-69-4) |                                                         |
|-------------------------|---------------------------------------------------------|
| LD50 oral rat           | > 2000 mg/kg                                            |
| LD50 dermal rat         | > 2000 mg/kg                                            |
| Additional information  | Lowest Published Lethal DoseLDLo, oral, rat: 7500 mg/kg |
| Water (7732-18-5)       |                                                         |
| LD50 oral rat           | ≥ 90000 mg/kg                                           |
| ATE US (oral)           | 90000 mg/kg body weight                                 |

|                                                     |                                                                     |
|-----------------------------------------------------|---------------------------------------------------------------------|
| Skin corrosion/irritation                           | : Not classified                                                    |
| Serious eye damage/irritation                       | : Causes serious eye damage.                                        |
| Respiratory or skin sensitization                   | : Not classified                                                    |
| Germ cell mutagenicity                              | : Not classified                                                    |
| Carcinogenicity                                     | : Not classified                                                    |
| Reproductive toxicity                               | : Not classified                                                    |
| Specific target organ toxicity – single exposure    | : Not classified                                                    |
| Specific target organ toxicity – repeated exposure  | : Not classified                                                    |
| Aspiration hazard                                   | : Not classified                                                    |
| Potential Adverse human health effects and symptoms | : Based on available data, the classification criteria are not met. |
| Symptoms/effects after eye contact                  | : Causes serious eye damage.                                        |

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### SECTION 12: Ecological information

#### 12.1. Toxicity

| Tartaric Acid (87-69-4)        |                   |
|--------------------------------|-------------------|
| EC50 Daphnia 1                 | 93.31 mg/l 48 hr. |
| EC50 other aquatic organisms 1 | 51.4 mg/l 72 hr.  |

#### 12.2. Persistence and degradability

| Tartaric Acid, 10% w/v        |                                 |
|-------------------------------|---------------------------------|
| Persistence and degradability | Not established.                |
| Tartaric Acid (87-69-4)       |                                 |
| Persistence and degradability | Readily biodegradable in water. |
| Water (7732-18-5)             |                                 |
| Persistence and degradability | Not established.                |

#### 12.3. Bioaccumulative potential

| Tartaric Acid, 10% w/v    |                                                  |
|---------------------------|--------------------------------------------------|
| Bioaccumulative potential | Not established.                                 |
| Tartaric Acid (87-69-4)   |                                                  |
| Log Pow                   | -1.909                                           |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |
| Water (7732-18-5)         |                                                  |
| Bioaccumulative potential | Not established.                                 |

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Other information : Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT  
Not regulated

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

| Tartaric Acid, 10% w/v              |                                 |
|-------------------------------------|---------------------------------|
| SARA Section 311/312 Hazard Classes | Immediate (acute) health hazard |

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

| Tartaric Acid (87-69-4)             |                                 |
|-------------------------------------|---------------------------------|
| SARA Section 311/312 Hazard Classes | Immediate (acute) health hazard |

#### 15.2. International regulations

##### CANADA

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### Tartaric Acid (87-69-4)

Listed on the Canadian DSL (Domestic Substances List)

### EU-Regulations

No additional information available

### National regulations

### Tartaric Acid (87-69-4)

Not listed on the Canadian IDL (Ingredient Disclosure List)

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

## SECTION 16: Other information

Revision date : 04/19/2018

Other information : None.

Full text of H-phrases: see section 16:

|      |                           |
|------|---------------------------|
| H318 | Causes serious eye damage |
| H402 | Harmful to aquatic life   |

NFPA health hazard

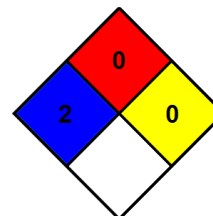
: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard

: 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity

: 0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur  
Flammability : 0 Minimal Hazard - Materials that will not burn  
Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.  
Personal protection : A  
A - Safety glasses

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