

## SAFETY DATA SHEET

### L(+)-TARTARIC ACID AR

Version: 1.0  
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#### SECTION 1: Identification of the substance/mixture and of the company/ undertaking

##### 1.1 Product identifier

Catalogue no. : KA537  
Product name : L(+)-Tartaric acid AR  
CAS No. : 87-69-4  
EC No. : 201-766-0

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

###### Relevant identified uses

For laboratory utilisation, analysis, research and fine chemistry.

###### Uses advised against

No additional information available

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

Elago Enterprises Pty Ltd  
5 The Cloisters, Cherrybrook, N.S.W. 2126, Australia  
Tel no. (61) 2 98998169 Fax no. (61) 2 98997976  
[info@kemauschemical.com](mailto:info@kemauschemical.com)

##### 1.4 Emergency telephone:

(61) 2 98998169 (9:00am - 5:00 pm) [ Office hours ]

#### SECTION 2: Hazards identification

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

###### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Eye Dam. 1 ; H318 - Serious eye damage/eye irritation : Category 1 ; Causes serious eye damage.

##### 2.2 Label elements

###### Labelling according to Regulation (EC) No. 1272/2008 [CLP]



###### Signal word

Danger

###### Hazard statements

H318 Causes serious eye damage.

###### Precautionary statements

P280 Wear protective eye protection/face 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.

##### 2.3 Other hazards

None known.

#### SECTION 3: Composition/information on ingredients

##### 3.1 Substances

Name: L(+)-Tartaric acid

Formular: (CHOHCOOH)<sub>2</sub>

CAS No : 87-69-4

Molecular weight : 150.09

Contains no other components or impurities which will influence the classification of the product.

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### If inhaled

After inhalation: Take the person out into the fresh air.

#### In case of skin contact

In case of skin contact: Wash with plenty of water. Remove contaminated clothing.

#### In case of eye contact

After eye contact: Wash with plenty of water, keeping eyelids open. Immediately call in ophthalmologist.

#### If swallowed

After swallowing: Never induce vomiting. If feeling unwell seek medical assistance.

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

Not expected to present a significant hazard under anticipated conditions of normal use.

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

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Foam, Dry powder, Carbon dioxide, Water spray, Sand.

#### Unsuitable extinguishing media

Do not use a direct stream of water to extinguish.

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

Under fire conditions, hazardous fumes may present.

### 5.3 Advice for firefighters

Do not enter fire area without proper protective equipment, including respiratory protection.

Fire protection equipment: According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and gloves.

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## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

Do not breathe vapors or dusts. Evacuate the danger area.

#### For emergency responders

For exposure control and individual protection measures, see section 8.

### 6.2 Environmental precautions

Do not allow it to enter the drainage system. Avoid pollution of the soil, water supplies and drains.

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

The contaminated area should be immediately cleaned with an appropriate de-contaminator. Store away from other materials. Collect spillage.

### 6.4 Reference to other sections

For later elimination of waste, follow the recommendations under section 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

The product does not require special handling measures. Ensure good ventilation and renewal of the air in the premises.

Do not eat, drink or smoke when using this product.

## 7.2 Conditions for safe storage, including any incompatibilities

The product does not require special storage measures. Well sealed containers. Away from sources of ignition and heat.

## 7.3 Specific end use(s)

None.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

The product does NOT contain substances with Professional Exposure Environmental Limit Values.

The product does NOT contain substances with Biological Limit Values.

### 8.2 Exposure controls

#### Personal protection equipment

##### Eye/face protection

Wear suitable eye equipment protection, Recommended DIN EN 166.

##### Skin protection

Wear suitable protective clothing, Recommended EN 374.

Wear appropriate clothing.

##### Respiratory protection

Wear approved mask.

##### Control of environmental exposure

Do not let product enter drains.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b>	Solid.
<b>Colour:</b>	Colourless crystals.
<b>Odour:</b>	Odourless.
<b>Odour threshold:</b>	No data available.
<b>pH value:</b>	1.6 (10%, 25°C)
<b>Melting Point:</b>	168-170 °C
<b>Boiling Point:</b>	No data available.
<b>Flash point:</b>	210 °C
<b>Flammability (solid, gas) :</b>	No data available.
<b>Evaporation rate :</b>	No data available.
<b>Vapour pressure:</b>	No data available.
<b>Vapour density :</b>	No data available.
<b>Lower Explosive Limit:</b>	No data available.
<b>Upper Explosive Limit:</b>	No data available.
<b>Solubility:</b>	1390 g/l (20°C)
<b>Density:</b>	1.76 g/cm <sup>3</sup>
<b>Relative density:</b>	No data available.
<b>Log Pow octanol / water at 20°C</b>	-1.91 (log Pow)
<b>Auto-ignition temperature:</b>	425 °C
<b>Decomposition temperature:</b>	>170 °C
<b>Viscosity:</b>	No data available.
<b>Explosive properties:</b>	No data available.
<b>Oxidizing properties:</b>	No data available.

### 9.2 Other information

None.

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

The product does not present hazards by their reactivity.

### 10.2 Chemical stability

Stable under the recommended handling and storage conditions.

### 10.3 Possibility of hazardous reactions

The product does not present possibility of hazardous reactions.

### 10.4 Conditions to avoid

Avoid any improper handling.

### 10.5 Incompatible materials

Keep away from strong oxidizing agents, strong acids and strong alkalis.

### 10.6 Hazardous decomposition products

No decomposition if used for the intended uses.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

LD50 oral rat : 7500mg/kg

#### Skin corrosion/irritation

No information available.

#### Serious eye damage/eye irritation

Causes serious eye damage.

#### Respiratory or skin sensitisation

No information available.

#### Germ cell mutagenicity

No information available.

#### Carcinogenicity

No information available.

#### Reproductive toxicity

No information available.

#### STOT-single exposure

No information available.

#### STOT-repeated exposure

No information available.

#### Aspiration hazard

No information available.

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Toxicity to fish

LC50 Danio rerio : >100 mg/l ; 96 h

#### Toxicity to daphnia and other aquatic invertebrates

EC50 Daphnia magna : 93.3 mg/l; 48 h

#### Toxicity to algae

EC50 Pseudokirchneriella subcapitata : 51.4 mg/l; 72 h

### 12.2 Persistence and degradability

Biodegradable.

### 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water log Pow: -1.91

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

No information available.

### 12.6 Other adverse effects

No information available.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product/Packaging disposal

Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

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## SECTION 14: Transport information

### 14.1 UN number

No information available.

### 14.2 UN proper shipping name

ADR: No information available.

IMDG: No information available.

ICAO: No information available.

### 14.3 Transport hazard class(es)

No information available.

### 14.4 Packing group.

No information available.

### 14.5 Environmental hazards

No information available.

### 14.6 Special precautions for user

None

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No information available.

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## SECTION 15: Regulatory information

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

Ensure all national/local regulations are observed.

Safety Data Sheet according to Regulation (EC) No. 1907/2006

Australian Inventory of Chemical Substances (AICS)

### 15.2 Chemical safety assessment

No information available.

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## SECTION 16: Other information

### 16.1 Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

EC50: Effective concentration, 50%

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

IC50: Inhibitory Concentration, 50%

LC50: Lethal concentration, 50%.

LD50: Lethal dose, 50%.

Log Pow: Logarithm of the partition octanol-water

PBT: persistent, bioaccumulative and toxic.

vPvB: very Persistent and very Bioaccumulative

STEL: Short term exposure limit

TWA: Time Weighted Average

### 16.2 Further information.

None.

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