

MATERIAL SAFETY DATA SHEET

DL-TARTARIC ACID

(Pure)

MSDS CAS: 133-37-9

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: DL-TARTARIC ACID (Pure)

CAS#: 133-37-9

Synonym: Not available.

Chemical Name: Not available.

Chemical Formula: Not available.

Brand : OXFORD

Details Of The Supplier Of The Safety Data Sheet :

Company identification:

OXFORD LAB FINE CHEM LLP

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Section 2: Composition and Information on Ingredients

Substance / Preparation:

Synonyms:

DL-TARTARIC ACID

CAS No: 133-37-9

Substance.

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

Section 3: Hazards Identification

Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45:

Classification: Xi; R36/37/38

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP):

Health hazards: Specific Target Organ Toxicity - Single exposure - Respiratory tract irritation - Category 3
- Warning (CLP: STOT SE 3) H335 Skin irritation - Category 2 - Warning (CLP: Skin Corr. 2) H315 Eye
irritation - Category 2A - Warning (CLP: Eye Irrit. 2) H319

Label elements

Labelling EC 67/548 or EC 1999/45:

Symbol(s): Xi: Irritant

R Phrase(s): R36/37/38: Irritating to eyes, respiratory system and skin.

S Phrase(s): S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Labelling Regulation EC 1272/2008 (CLP):

Signal words: Warning

Hazard statements:

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

Precautionary statements:

Prevention:

P280: Wear protective gloves, protective clothing, eye protection, face protection. P271: Use only outdoors or in a well-ventilated area. P261: Avoid breathing dust, fume, gas, mist, vapours, spray. P264: Wash thoroughly after handling.

Response:

P302+P352: IF ON SKIN : Wash with plenty of soap and water. P332+P313: If skin irritation occurs : Get medical advice. P305+P351+P338: IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P340: IF INHALED : Remove to fresh air and keep at rest in a position comfortable for breathing. P363: Wash contaminated clothing before reuse.

Storage :

P403+P233: Store in well-ventilated place. Keep container tightly closed. P405: Store locked up.

Section 3: Hazards Identification (Continued)

Disposal considerations:

P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Other hazards:

The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

Section 4: First Aid Measures

Description of first aid measures:

Inhalation:

Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

Skin contact:

Specific treatment (see on this label). Get medical advice. If skin irritation occurs: Wash with plenty of soap and water. Wash contaminated clothing before reuse.

Eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.

Ingestion:

Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth.

Most important symptoms and effects, both acute and delayed:

Symptoms relating to use:

Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation.

Indication of any immediate medical attention and special treatment needed:

General information:

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Section 5: Fire and Explosion Data

Extinguishing media:

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media: Do not use a heavy water stream.

Surrounding fires: Use water spray or fog for cooling exposed containers.

Special hazards arising from the substance or mixture:

Hazardous combustion products: Under fire conditions, hazardous fumes will be present.

Advice for firefighters:

Protection against fire: Do not enter fire area without proper protective equipment, including respiratory Protection.

Special procedures: Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to Enter environment.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

For emergency responders: Equip cleanup crew with proper protection. Ventilate area.

For non-emergency personnel: Evacuate unnecessary personnel.

Environmental precautions:

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

Methods and material for containment and cleaning up

Clean up methods: On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

Reference to other sections

See section 8. Exposure controls/personal protection

Section 7: Handling and Storage

Precautions for safe handling:

Handling: Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Wash thoroughly after handling.

Section 7: Handling and Storage (Continued)

Technical protective measures: Provide good ventilation in process area to prevent formation of vapour.
Special precautions: Avoid breathing dust, fume, gas, mist, vapours, spray.

Conditions for safe storage, including any incompatibilities:

Storage: Keep only in the original container in a cool, well ventilated place. Keep container tightly closed.

Storage - away from: Strong bases. Strong acids. Sources of ignition. Direct sunlight.

Specific end use(s): None.

Section 8: Exposure Controls/Personal Protection

Exposure controls:

Personal protection: Avoid all unnecessary exposure.

Respiratory protection: Wear approved mask.

Hand protection: Wear protective gloves.

Skin protection: Wear suitable protective clothing.

Eye protection: Chemical goggles or safety glasses.

Others: When using, do not eat, drink or smoke.

Control parameters:

Occupational Exposure Limits: No data available.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state at 20 °C:	Solid.
Colour:	White crystalline
Odour:	Odorless
Odour threshold:	No data available.
pH value:	Not applicable.
Melting point [°C]:	170 - 172 °C
Decomposition point [°C]:	N/A
Critical temperature [°C]:	N/A
Auto-ignition temperature [°C]:	425°C

Section 9: Physical and Chemical Properties (Continued)

Flammability (solid, gas):	N/A
Flash point [°C]:	150 °C
Boiling point [°C]:	N/A
Initial boiling point [°C]:	N/A
Final boiling point [°C]:	N/A
Evaporation rate:	N/A
Vapour pressure [20°C]:	N/A
Vapour pressure mm/Hg:	N/A
Vapour density:	5,18
Density [g/cm ³]:	1,76
Relative density, gas (air=1):	N/A
Relative density, liquid (water=1):	N/A
Solubility in water [% weight]:	150 g/l at 20 °C – c
Solubility in water:	N/A
Log Pow octanol / water at 20°C:	No data available.
Solubility:	1 - 2 at 150 g/l at
Viscosity at 40°C [mm ² /s]:	N/A

Other information

Explosive properties:	N/A
Explosion limits - upper [%]:	N/A
Explosion limits - lower [%]:	N/A
Oxidising properties:	No data available.

Section 10: Stability and Reactivity Data

Reactivity: Not established.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: Not established

Conditions to avoid: Direct sunlight. Extremely high or low temperatures.

Incompatible materials: Strong acids. Strong bases.

Hazardous decomposition products:

Other decomposition products: Fumes. Carbon monoxide. Carbon dioxide

Section 11: Toxicological Information

Information on toxicological effects:

Acute toxicity:

Inhalation:

Based on available data, the classification criteria are not met.

Dermal:

Based on available data, the classification criteria are not met.

Ingestion:

Based on available data, the classification criteria are not met.

Corrosion:

Based on available data, the classification criteria are not met.

Irritation:

Causes serious eye irritation.

Causes skin irritation.

May cause respiratory irritation.

Sensitization:

Based on available data, the classification criteria are not met.

Mutagenicity:

Based on available data, the classification criteria are not met.

Carcinogenicity:

Based on available data, the classification criteria are not met.

Toxic for reproduction:

Based on available data, the classification criteria are not met.

STOT-single exposure:

Based on available data, the classification criteria are not met.

STOT-repeated exposure:

Based on available data, the classification criteria are not met.

Aspiration hazard:

Based on available data, the classification criteria are not met.

Section 12: Ecological Information

Toxicity: Not established.

Persistence and degradability: Biodegradable.

Bioaccumulative potential: Not established.

Mobility in soil: Not established.

Results of PBT and vPvB assessment: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

Other adverse effects: Avoid release to the environment.

Section 13: Disposal Considerations

Waste treatment methods:

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

Section 14: Transport Information

Land transport (ADR-RID)

General information: Not regulated.

Sea transport (IMDG) [English only]

General information: Not regulated.

Air transport (ICAO-IATA) [English only]

General information: Not regulated.

Section 15: Other Regulatory Information

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

Ensure all national/local regulations are observed.

REACH Restrictions - Annex XVII: The components of this product are not subject to restrictions.

REACH Authorisation - Annex XIV: The components of this product are not subject to authorization.

Chemical Safety Assessment: It has not been carried out.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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