



SAFETY DATA SHEET

TARTARIC ACID

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY:

PRODUCT NAME: TARTARIC ACID
PART No.: RM273
SYNONYMS, TRADE NAMES: L(+)-Tartaric acid; L-dihydroxysuccinic acid
SUPPLIER: J M Loveridge plc
Southbrook Road, Southampton
Hampshire
SO15 1BH
Tel: 023 8022 2008
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2. COMPOSITION/INFORMATION ON INGREDIENTS:

EEC (EINECS) No. 201-766-0
CAS No.: 87-69-4

3. HAZARDS IDENTIFICATION:

Not regarded as a health or environmental hazard under current legislation.
Inhalation of dust may cause transient irritation to the respiratory system.

4. FIRST AID MEASURES:

GENERAL: IN ALL CASES OF DOUBT OR WHEN SYMPTOMS PERSIST, ALWAYS SEEK MEDICAL ATTENTION
INHALATION: Remove affected person from exposure, rest and keep warm.
INGESTION: Only when conscious rinse mouth out. Obtain medical attention if adverse symptoms occur.
SKIN: Wash affected area with plenty of soap and water.
EYES: Rinse immediately with plenty of water for at least 5 minutes while lifting the eye lids. Seek medical attention. Continue to rinse.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA:	Water spray, fog or mist, carbon dioxide (CO ₂), alcohol resistant foam, dry chemicals, sand, dolomite etc.
SPECIAL FIRE FIGHTING PROCEDURES:	Do not release contaminated water used for extinguishing into drains, soil or surface water.
UNUSUAL FIRE & EXPLOSION HAZARDS:	Finely divided material can cause dust explosion.
HAZARDOUS COMBUSTION PRODUCTS:	Burning may release oxides of carbon and other hazardous gases or vapours.
PROTECTIVE MEASURES IN FIRE:	Fire fighters should wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES:

PERSONAL PRECAUTION IN SPILL:	Avoid breathing dust.
PRECAUTIONS TO PROTECT ENVIRONMENT:	Prevent contamination of soil, drains and surface water.
SPILL CLEANUP METHODS:	Avoid dry sweeping or other methods which raise dust. Vacuum or wet-sweep and place into a suitable closable, labelled container for disposal. Wash the area clean with water and detergent, observing environmental requirements.

7. HANDLING AND STORAGE:

USAGE PRECAUTIONS:	The product should be used in accordance with good industrial safety practice and hygiene principles for handling and storing of chemicals. Avoid breathing dust.
STORAGE PRECAUTIONS:	Store in a cool, dry, well ventilated place, in securely closed original container.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT COMMENTS:	No specific OES assigned, however for dusts of any kind, ensure LTEL (8-hour TWA ref. period) level does not exceed 10 mg.m ³ for total inhalable dust or 4 mg.m ³ for respirable dust (or) as recommended in current edition of EH40.
RESPIRATORS:	If unable to control dust emissions below OES limits, an approved dust protection to P2 level of protection is recommended.
PROTECTIVE GLOVES:	Use protective gloves.
EYE PROTECTION:	Use eye protection.
HYGIENIC WORK PRACTICES:	SKIN PROTECTION - apply barrier cream to hands and exposed skin. Regularly vacuum dust to minimise the potential of air-borne exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:	Colourless crystals or white crystalline powder.
SOLUBILITY DESCRIPTION:	Soluble in water.

SOLUBILITY VALUE (g/100g H₂O 20°C): 147

FLASH POINT (°C): ~ 210°C **Method:**

AUTO IGNITION TEMP. (°C): 425°C

10. STABILITY AND REACTIVITY:

STABILITY: Stable under normal conditions of use.

CONDITIONS TO AVOID: Avoid excessive dust build up in air. Risk of dust ignition in air.

MATERIALS TO AVOID: Aqueous solutions are acidic, avoid contact with metals.

HAZARDOUS DECOMP. PRODUCTS: Thermal decomposition or burning may release oxides of carbon or other hazardous gases, acrid smoke and irritating fumes.

11. TOXICOLOGICAL INFORMATION:

TOXIC DOSE - LD 50: 5000 mg/kg (oral rat)

HEALTH HAZARDS, GENERAL: Aqueous solutions are acidic.

INHALATION: High concentration of dust may cause transient irritation to the upper respiratory tract.

INGESTION: Ingestion may cause gastric upset.

EYES: May cause irritation to eyes.

HEALTH WARNINGS: No specific short or long term health effects anticipated.

12. ECOLOGICAL INFORMATION:

ECOLOGICAL INFORMATION: No specific data or information available regarding environmental impact. Avoid release to the environment. Harmful effect due to pH shift.

13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHODS: Disposal should be in accordance with the principles of Duty of Care observing local and national regulations.

14. TRANSPORT INFORMATION:

GENERAL: Not classified as hazardous for transport.

15. REGULATORY INFORMATION:

UK REGULATORY REFERENCES: This product is not classed as dangerous substance under the classification, packaging and labelling of dangerous substances regulations.

16. OTHER INFORMATION:

INFORMATION SOURCES: This product has been classified in accordance with CHIP3 regulations.

REVISION COMMENTS: Edition 01; Revised item(s):

ISSUED BY: MK

SDS No.: 501

DATE: 12/07/02

DISCLAIMER: The foregoing data has been compiled for safety information only and does not form part of any selling specification. Information contained in this Data Sheet is to the best of JMLs knowledge correct at the time of publication. Customers should always satisfy themselves, that the product which they have selected is entirely suitable for their purpose under their conditions of use and in compliance with current regulations. For any further information, please contact the supplier.