



MATERIAL SAFETY DATA SHEET

1. Identification of the substance(s)

Product Name: Lactic Acid (10%), 5ml, 100 Pack **Product Code:** R50-12
Alternative Name: **Revision:** 1 **Date:** 30.04.2012
Supplier: Technical Service Consultants Ltd Microbiology House, Fir St, Heywood,
Lancashire OL10 1NW, UK

2. Constitutions

A solution of a chemical compound, supplied in rubber stopper glass vials. 5ml volume.

3. Hazard identification

Lactic Acid is classified as Xi, Irritant.
Classification of preparation: Irritating to skin and eyes
Symbol: Xi
Risk Phrases: R36, R37, R38, R41.
Safety Phrases: S26, S28, S36/37/39.
CAS number: 50-21-5.
EC-No.: 201-196-2.
Chemical characterisation: Chemical liquid.
Percentage contained in product: 10%.

4. First aid measures

Eye contact: Irrigate thoroughly with sterile water or isotonic saline for at least 10 minutes. SEEK MEDICAL ATTENTION.
Inhalation: Remove from exposure, rest and keep warm. In severe cases obtain medical attention.
Skin contact: Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use. In severe cases, OBTAIN MEDICAL ATTENTION.
Ingestion: Wash out mouth thoroughly with water and give plenty of water to drink. Do not induce vomiting. OBTAIN MEDICAL ATTENTION.

5. Fire-fighting measures

Special risks: Non-combustible. However, under fire conditions, will emit toxic fumes.
Extinguishing media: Use extinguishing media appropriate to surrounding fire conditions.



6. Accidental release measures

Wear appropriate protective clothing (see section 8). Inform others to keep at a safe distance. Do not inhale vapours and ventilate the area thoroughly. Collect the spillage and store in a suitable sealed container for disposal. Wash site of spillage thoroughly, with water to dilute.

7. Handling and storage

Handling: Wear appropriate protective clothing. Avoid contact with skin and eyes. Normal laboratory safety procedures should be observed. Handle with care.

Storage: Store in a cool (2-8°C), dry and ventilated area away from heat and ignition sources. Protect from light and moisture in tightly closed original containers. Avoid storing in plastic and uncoated metal containers.

8. Exposure controls/personal protection

Respiratory protection: Avoid excessive inhalation of concentrated vapours.
Eye protection : Wear safety glasses.
Skin protection : Avoid skin contact. Use chemically resistant gloves as required.

9. Physical and chemical properties

Appearance:	Chemical liquid.	Vapour pressure:	Not applicable
Colour:	Colourless	Water Solubility:	Soluble
Odour:	No odour	Explosive Properties:	Not applicable
pH:	Not applicable	Oxidising Properties:	Not applicable
Melting temperature:	Not applicable	Flash point:	Not applicable
Boiling temperature:	Not applicable	Relative Density:	No data
Density(g/ml):	No data		

10. Stability and reactivity

Reactivity: Supplied in a stable form. Do not heat, or allow to be near any heat sources. Incompatible with oxidising agents, nitric acid or strong bases.

Decomposition: The nature of decomposition products non-known.

11. Toxicological information

Based on the ingredients in this composition and their concentrations, this product is according to the conventional method of EEC directive 88/379/EEC classified as:

After Inhalation: Irritation of the mucous membranes, coughing and dyspnoea

After eye contact: Severe irritation

After Skin contact: Irritation

After ingestion: Irritation of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract. Burns in oesophagus and stomach.

Absorption of large quantities may result in damage to the kidneys.

12. Ecological information

Data not yet available.

13. Disposal considerations

Chemical residues are generally classified as special waste, and as such are covered by national regulations that vary according to locality. For advice on disposal, contact your local waste disposal authority, or pass to a chemical disposal company.

14. Transport information

	Class	Packaging group	Substance Risk	UN no.
Road: (GGVS, GGVE, ADR, RID)	: N/A	Non-hazardous	N/A	N/A
Air: (IATA, ICAO)	: N/A	Non-hazardous	N/A	N/A
Sea: (IMDG, GGVS)	: N/A	Non-hazardous	N/A	N/A

15. Regulatory information

Classification packaging/labelling (Directive 88/379/EEC):-

Hazard Symbol	: Not applicable.
Risk phrases	: Not applicable.
Safety phrases	: S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. : S36/37/39- Wear suitable protective clothing, gloves & eye/face protection.

16. Other information

Revision. 1	Supersedes issue of 12.06.2009
Changes in Section :	New logo and change of address
Date of issue:	30.04.2012

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information given in the data sheet does not constitute the user's own assessment of risk as required by Health & Safety legislation currently in force. All chemicals should be handled only by competent personnel within a suitably controlled environment. Technical Service Consultants Limited shall not be held liable for any damage from handling or from contact with the product(s).