



a xylem brand

SAFETY DATA SHEET

1. Product and company identification

Material name YSI 1530, 2327, 2328 Lactate Standards
Version No. 01
Issue date 05-December-2013
Revision date -
Supersedes date -
CAS No. Mixture
Manufacturer information YSI, Inc
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 (Collect calls accepted)

2. Hazards Identification

Emergency overview No special precautionary health measures should be needed under anticipated conditions of use.
Potential health effects
Eyes Health injuries are not known or expected under normal use.
Skin Health injuries are not known or expected under normal use.
Inhalation Health injuries are not known or expected under normal use.
Ingestion Health injuries are not known or expected under normal use.

3. Composition/Information on Ingredients

Components	CAS No.	Percent
Glycine, N,N'-1,2-ethanediylbis(N-carboxymethyl) dipotassium salt, dihydrate	25102-12-9	< 1
Lithium (S)-lactate	27848-80-2	< 1
Sodium Benzoate	532-32-1	< 1
Water	7732-18-5	> 97

4. First aid measures

First aid procedures
Eye contact Rinse with water. Get medical attention if irritation develops and persists.
Skin contact Rinse skin with water/shower. Get medical attention if irritation develops and persists.
Inhalation If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
Ingestion Rinse mouth. If ingestion of a large amount does occur, call a poison control centre immediately.

5. Fire Fighting Measures

Extinguishing media
Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).
Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.
Protection of firefighters
Protective equipment for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions Not available.

Explosion data

Sensitivity to static discharge Not established.

Sensitivity to mechanical impact Not established.

6. Accidental release measures

Personal precautions Keep unnecessary personnel away. For personal protection, see section 8.

Methods for cleaning up Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use. For waste disposal, see section 13.

7. Handling and storage

Handling Observe good industrial hygiene practices.

Storage Store in tightly closed original container in a well-ventilated place. Store away from incompatible materials (See Section 10).

8. Exposure controls / personal protection

Occupational exposure limits

No exposure limits noted for ingredient(s).

Personal protective equipment

Eye / face protection Not normally needed.

Skin protection Wear suitable protective clothing.

Respiratory protection No personal respiratory protective equipment normally required.

9. Physical & Chemical Properties

Appearance Not available.

Physical state Liquid.

Form Liquid.

Colour Clear and colorless.

Odour Odourless.

Odour threshold Not available.

pH 6.5 - 7.5

Vapour pressure Equivalent to water

Vapour density Equivalent to water vapor

Boiling point 100 °C (212 °F)

Melting point/freezing point Not available.

Solubility (water) Infinitely soluble

Specific gravity Not available.

Flash point Not available.

Flammability limits in air, upper, % by volume Not available.

Flammability limits in air, lower, % by volume Not available.

Auto-ignition temperature Not available.

10. Chemical Stability & Reactivity Information

Chemical stability Material is stable under normal conditions.

Conditions to avoid	Contact with incompatible materials.
Incompatible materials	None known.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Acute effects	Not expected to be a hazard under normal conditions of intended use.
Chronic effects	Not expected to be hazardous by WHMIS criteria.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Reproductive effects	Based on available data, the classification criteria are not met.
Symptoms and target organs	None known.

12. Ecological information

Ecotoxicological data

Components	Species	Test results
Sodium Benzoate (CAS 532-32-1)		
Aquatic		
Fish	LC50 Fathead minnow (<i>Pimephales promelas</i>)	> 100 mg/l, 96 hours
Ecotoxicity	Not expected to be harmful to aquatic organisms.	
Environmental effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.	
Persistence and degradability	No data is available on the degradability of this product.	

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Dispose in accordance with all applicable regulations.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

TDG

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. Regulatory information

Canadian regulations	This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.
WHMIS status	Non-Controlled

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No

Country(s) or region	Inventory name	On inventory (yes/no)*
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. OTHER INFORMATION

HMIS® ratings

Health: 0
 Flammability: 0
 Physical Hazard: 0

NFPA ratings

Health: 0
 Flammability: 0
 Instability: 0

Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available.