



MATERIAL SAFETY DATA SHEET

Revision Number **A96037A**
2/5/09

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

Product name YSI 7167 Xylose Calibration Standard, 20 g/L
Synonyms None
Chemical characterization Dilute aqueous solution of the listed ingredients.
Manufacturer, importer, supplier YSI, Inc.
1700/1725 Brannum Lane
Yellow Springs, OH 45387
USA

EMERGENCY TELEPHONE NUMBER (937) 767-7241

2. COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Chemical Name	% Weight	ACGIH TWA	OSHA*	NTP*	IARC*
7732-18-5	Water	>96	None	N/A	N/A	N/A
65-85-0	Benzoic Acid	<1	N/A	N/A	N/A	N/A
25102-12-9	Dipotassium EDTA Dihydrate	<1	N/A	N/A	N/A	N/A
609-06-3	L(-)Xylose	2	N/A	N/A	N/A	N/A

* IARC - Group 1 (Carcinogenic to humans)

* NTP - Report on Carcinogens - Known Carcinogens

* OSHA - Regulated Carcinogens

3. HAZARDS IDENTIFICATION

Emergency Overview

This product contains no substances which at their given concentration, are considered to be hazardous to health

Eye Contact	Contact with eyes may cause irritation
Skin Contact	Exposure can cause skin irritation
Inhalation	Depending on the length of exposure and temperature of liquid, may cause mild irritation from vapors if inhaled
Ingestion	No effects expected from normal use and minor amounts ingested. Ingestion of large amounts, a cup full or more, may cause digestive system upset.
General Advice	If exposure effects persist seek medical attention
Principle Routes of Exposure	Eyes, absorption, ingestion

4. FIRST AID MEASURES

Skin Contact	<ul style="list-style-type: none">Wash exposed areas with soap and water for 15 minutes.If skin irritation persists, seek medical attention.
Eye Contact	<ul style="list-style-type: none">Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.If eye irritation persists, seek medical attention
Inhalation	<ul style="list-style-type: none">Move to fresh air in case of accidental inhalationIf exposure symptoms persist, seek medical attention
Ingestion	<ul style="list-style-type: none">For ingestion of large amounts induce vomiting if person is conscious.
Notes to Physician	<ul style="list-style-type: none">Treat symptomatically
Protection of First-Aiders	<ul style="list-style-type: none">Use necessary personal protective equipment
Aggravated Medical Conditions	<ul style="list-style-type: none">Users with skin conditions (eczema, psoriasis, etc) respiratory conditions (asthma, bronchitis, emphysema, etc) or with chemical sensitivities should

	take protective precautions.
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5. FIRE-FIGHTING MEASURES

Flash Point	None
Suitable Extinguishing Media	Not applicable to this product
Extinguishing media which must not be used for safety reasons	None

Specific Hazards

Special exposure hazards rising from the substance or preparation itself, its combustion products, or released gases	none			
Special protective equipment for firefighters	none			
NFPA (National Fire Protection Association)	Health=1 (slight)	Reactivity=0	Fire=0	Special=0 (none)
HMIS (Hazardous Material Information System)	Health=1 (slight)	Reactivity=0	Fire=0	Special=0 (none)

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	<ul style="list-style-type: none">• Ensure adequate ventilation• Use necessary personal protective equipment
Environmental precautions	<ul style="list-style-type: none">• No information available
Methods for cleaning up	<ul style="list-style-type: none">• Soak up with inert absorbent material• After cleaning, flush away traces with water

7. HANDLING AND STORAGE

Technical Measures / Precautions	<ul style="list-style-type: none">• Ensure adequate ventilation
Safe Handling Advice	<ul style="list-style-type: none">• Avoid contact with eyes. Wash hands immediately after contact to avoid hand-eye transfer

Storage

Technical Measures / Precautions	<ul style="list-style-type: none">• Keep in properly labeled containers• Keep containers tightly closed; discard any material that may be contaminated or, which may have changed composition.
Incompatible Products	
Specific use(s)	<ul style="list-style-type: none">• No information

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures	<ul style="list-style-type: none">• Ensure adequate ventilation, especially in confined areas• Ensure eyewash station is readily available
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Personal protective equipment

Hand Protection	<ul style="list-style-type: none">• Wear appropriate protective gloves
Eye protection	<ul style="list-style-type: none">• Wear tightly fitting safety goggles or safety glasses with side-shields
Respiratory Protection	<ul style="list-style-type: none">• Ensure adequate ventilation is available before handling any chemical.• In case of insufficient ventilation, wear suitable respiratory equipment
Skin and Body Protection	<ul style="list-style-type: none">• Wear lightweight protective clothing• Boots• Apron
Hygiene measures	<ul style="list-style-type: none">• Handle in accordance with good industrial hygiene and safety practice• Keep away from food, drink, and animal feeding stuffs
Environmental exposure controls	<ul style="list-style-type: none">• No information available

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form	Liquid
Appearance	Clear colorless liquid
Odor	None

Important Health Safety and Environmental Information

pH	6.5 to 7.5
Boiling Point / Range	100° C
Flash Point	None
Vapor Pressure	Equivalent to water
Vapor Density	Equal to water vapor
Water Solubility	Infinitely soluble
Specific Gravity	1.00

10. STABILITY AND REACTIVITY

Stability	Stable
Materials to Avoid	None
Hazardous Decomposition Products	None
Polymerization	Polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Local Effects

Skin Irritation	May cause skin irritation in susceptible persons
Eye Irritation	May cause eye irritation
Ingestion	Ingestion of large amounts (over 1 tablespoon) may cause digestive system upset
Chronic Toxicity	No information available

Specific Effects

Carcinogenic Effects	No information available
Mutagenic Effects	No information available
Reproductive Toxicity	No information available
Target Organ Effects	No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity Effects

Component information

CAS	Chemical Name	% Weight	ACGIH*
7732-18-5	Water	>96	None
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609-06-3	L(-)Xylose	2	N/A

* ACGIH - Occupational Exposure Limits - TWA's

Product Information

Aquatic Toxicity	No information available.
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Other Information

Ozone Depletion Potential; ODP; (R-11=1)	No information available.
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Global Warming Potential (GWP)	No information available.
Additional Ecological Information	No information available
Mobility	No information available.
Bioaccumulative Potential	No information available.
Ecotoxicity Effects	No information available
Aquatic Toxicity	No information available.

13. DISPOSAL CONSIDERATIONS

Waste From Residues / Unused Products	In accordance with local and national regulations
Contaminated Packaging	Empty containers should be rinsed and disposed of as appropriate for glass and plastic containers

14. TRANSPORT INFORMATION

DOT Not regulated
 UN-No
 Proper shipping name
 Packing group
 Subsidiary Risk
 Description

15. REGULATORY INFORMATION

U.S. Inventories

CAS	Chemical Name	% Weight	ACGIH
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* ACGIH - Occupational Exposure Limits - TWA's

International Inventories

CAS	Chemical Name	% Weight	EUOED*
7732-18-5	Water	>96	N/A
65-85-0	Benzoic Acid	<1	N/A
25102-12-9	Dipotassium EDTA Dihydrate	<1	N/A
609-06-3	L(-)Xylose	2	N/A

* EUOED - EU Occupational Exposure Directive (98/24/EC) Indicative Occupational Exposure Limit Values (IOELV)

16. OTHER INFORMATION

Literary Reference None.
 Prepared By YSI, Inc.
 End of Safety Data Sheet.