



MATERIAL SAFETY DATA SHEET

MASTER NON HAZARDOUS

Revision Number A96005D,
3/30/06

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

Product name YSI 3167 Conductivity Calibrator 1,000 micromho/cm
Synonyms None
Chemical characterization Liquid.
Manufacturer, importer, supplier YSI, Inc.
1700/1725 Brannum Lane
Yellow Springs, OH 45387
USA
EMERGENCY TELEPHONE NUMBER CHEMTREC: 1-800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS	Chemical Name	% Weight	ACGIH TWA	Acute toxicity	IARC*	NTP*	OSHA*
7447-40-7	Potassium chloride	0-1	None	NA	N/A	N/A	N/A
7732-18-5	Water	99-100	None	NA	N/A	N/A	N/A

* IARC - Group 1 (Carcinogenic to humans)

* NTP - Report on Carcinogens - Reasonably Anticipated to be Human Carcinogens

* OSHA - Regulated Carcinogens

3. HAZARDS IDENTIFICATION

Emergency Overview:

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

Eye contact	Can cause severe irritation.
Skin contact	Exposure can cause skin irritation.
Inhalation:	Inhalation of dust may cause irritation of respiratory tissue.
Ingestion:	May be harmful if swallowed.
General advice	Seek medical attention if effects persist.
Properties affecting health	No information available
Principle Routes of Exposure	eyes, absorption, ingestion

4. FIRST AID MEASURES

General advice	<ul style="list-style-type: none">If exposure symptoms persist, seek medical attention.
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">Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutesIf eye irritation persists, seek medical attention
Inhalation:	<ul style="list-style-type: none">Move to fresh airIf exposure symptoms persist, seek medical attention.
Ingestion:	<ul style="list-style-type: none">Do not swallow. Rinse mouth with water and afterwards drink plenty of water.Never give anything by mouth to an unconscious personConsult a physician if necessary
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

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	(asthma, bronchitis, emphysema, etc.,) or with chemical sensitivities should take protective precautions.
Flash point	NA
Suitable extinguishing media	<ul style="list-style-type: none"> ● Not applicable to this product
Extinguishing media which must not be used for safety reasons	<ul style="list-style-type: none"> ● None
Specific hazards	<ul style="list-style-type: none"> ● None
Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases	<ul style="list-style-type: none"> ● None
Special protective equipment for firefighters	<ul style="list-style-type: none"> ● None ● As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
Specific methods	<ul style="list-style-type: none"> ● No special protective measures against fire required
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
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

Handling

Technical measures/Precautions	<ul style="list-style-type: none"> ● As a rule, at least 10 air changes per hour are recommended at the workplace
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 labelled containers ● Keep containers tightly closed; discard any material that may be contaminated or, which may have changed composition. ● The product is not flammable
Incompatible products	<ul style="list-style-type: none"> ● Avoid strong acids, oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures	<ul style="list-style-type: none"> ● Ensure eyewash station is readily available ● Ensure adequate ventilation, especially in confined areas
Personal protective equipment	
Hand protection	<ul style="list-style-type: none"> ● Wear appropriate protective gloves
Eye protection	<ul style="list-style-type: none"> ● Avoid contact with eyes ● Safety glasses with side-shields or full face shield.
Respiratory protection	<ul style="list-style-type: none"> ● No information available
Skin and body protection	<ul style="list-style-type: none"> ● lightweight protective clothing ● boots ● apron
Hygiene measures	<ul style="list-style-type: none"> ● Handle in accordance with good industrial hygiene and safety practice

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	<ul style="list-style-type: none"> 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.
Odour	None.

Important Health Safety and Environmental Information

pH	6.50 to 7.50
Boiling point/range	100°C
Flash point	Not applicable
Vapour pressure	equivalent to water.
Vapour density	equivalent to water vapor.
Water solubility	
Specific Gravity	1.00.

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Materials to avoid	Incompatible with strong acids and oxidizing agents.
Hazardous decomposition products	none under normal use.
Polymerization	Polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Component Information

Product Information

Local effects	
Skin irritation	May cause skin irritation in susceptible persons.
Eye irritation	Dust may cause eye irritation.
Inhalation:	Inhalation of dust may cause irritation of respiratory tissue.
Ingestion:	No effects expected from normal use and minor amounts ingested. Ingestion of large amounts (over 1 tablespoon) may cause digestive system upset.
Sensitization	Not a sensitizer.
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*
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7447-40-7	Potassium chloride	0-1	N/A
7732-18-5	Water	99-100	N/A

* ACGIH - Occupational Exposure Limits - TWA's

Product Information

Aquatic toxicity No information available.

Other information:

Ozone depletion potential; ODP; (R-11 = 1)	No information available.
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*
7447-40-7	Potassium chloride	0-1	N/A
7732-18-5	Water	99-100	N/A

* ACGIH - Occupational Exposure Limits - TWA's

International Inventories

CAS	Chemical Name	% Weight	EUOED*
7447-40-7	Potassium chloride	0-1	N/A
7732-18-5	Water	99-100	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