



MATERIAL SAFETY DATA SHEET

Revision Number A96016F
03/04/11

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

Product name YSI 5776 Probe Service Kit (O₂ Probe Solution)
Synonyms None.
Chemical characterization Inorganic salt with wetting agent.
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	Acute Toxicity	IARC*	NTP*	OSHA*
7447-40-7	Potassium chloride	99.9	None	N/A	N/A	N/A	N/A
888-888-888	Kodak Photo-flo 200	<0.1			N/A	N/A	

* IARC - Group 1 (Carcinogenic to humans)

* NTP - Report on Carcinogens - Known Carcinogens

* OSHA - PELs

3. HAZARDS IDENTIFICATION

Emergency Overview

Product dust may be irritating to eyes, skin and respiratory system.

Eye Contact	May cause irritation.
Skin Contact	Exposure can cause skin irritation.
Inhalation	Dust from this product may cause respiratory irritation.
Ingestion	No effects expected from normal use and minor amounts ingested. Ingestion of large amounts (over 1 tablespoon) may cause digestive system upset.
General Advice	Seek medical attention if effects persist.
Properties Affecting Health	No information available.
Principle Routes of Exposure	Absorption, inhalation, ingestion

4. FIRST AID MEASURES

General Advice	If exposure symptoms persist, seek medical attention.
Skin Contact	Immediately wash exposed areas with soap and plenty of water.
Eye Contact	Remove contact lens and rinse immediately with plenty of water, also under eyelids, for at least 15 minutes. If eye irritation persists, seek medical attention.
Inhalation	Move to fresh air. If exposure symptoms persist, seek medical attention.
Ingestion	Do not swallow. Rinse mouth with water and afterwards drink plenty of water. For ingestion of large amounts induce vomiting if person is conscious. If effects persist, seek medical attention.
Notes to Physician	Treat symptomatically.
Protection of First-Aiders	Use necessary personal protective equipment.
Aggravated Medical Conditions	Users with skin conditions (eczema, psoriasis, etc.), respiratory conditions (asthma, bronchitis, emphysema, etc.), or with chemical sensitivities should take protective precautions.

5. FIRE-FIGHTING MEASURES

Flash Point	N/A
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	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Specific Methods

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	Ensure adequate ventilation
Environmental precautions	No information available
Methods for cleaning up	Pick up and transfer to a properly labeled container for disposal. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Handling

Technical Measures / Precautions	Use only in areas provided with adequate ventilation.
Safe Handling Advice	Avoid contact with eyes. Wash hands immediately after contact to avoid hand-eye transfer. Wear personal protective equipment.

Storage

Technical Measures / Precautions	Keep in properly labeled containers. Keep containers tightly closed; discard any material that may be contaminated.
Incompatible Products	Avoid strong acids, oxidizing agents.
Specific use(s)	None

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures	Ensure adequate ventilation, especially in confined areas
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Personal protective equipment

Hand Protection	Wear appropriate protective gloves.
Eye protection	Safety glasses with side-shields or full face shield.
Respiratory Protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Skin and Body Protection	Lightweight protective clothing.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls	No information available.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form	Solid.
Appearance	White powder.
Odor	None.

Important Health Safety and Environmental Information

pH	
Boiling Point / Range	No information available.
Flash Point	Not applicable.
Molecular Weight	74.55
Vapor Pressure	Not applicable.
Vapor Density	Not applicable.
Water Solubility	Infinitely soluble.
Specific Gravity	1.984
Melting Point / Range	770°C

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.
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	No information available.
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*	OSHA*
7447-40-7	Potassium chloride	99.9	N/A	N/A
888-888-888	Kodak Photo-flo 200	<0.1	N/A	N/A

* ACGIH - Occupational Exposure Limits - TWA's

* OSHA - PELs

Product Information

Aquatic Toxicity	No information available.
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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	99.9	N/A
888-888-888	Kodak Photo-flo 200	<0.1	N/A

* ACGIH - Occupational Exposure Limits - STELs

International Inventories

CAS	Chemical Name	% Weight	EUOED*
7447-40-7	Potassium chloride	99.9	N/A
888-888-888	Kodak Photo-flo 200	<0.1	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.