



MATERIAL SAFETY DATA SHEET

Revision Number A96036B
6/16/08

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

Product name YSI Oxygen Probe Electrolyte 5912, 5913, 5914
Synonyms None
Chemical characterization Solid, Powder
Manufacturer, importer, supplier YSI, Inc.
1700/1725 Brannum Lane
Yellow Springs, Ohio 45387
EMERGENCY TELEPHONE NUMBER (937) 767-7241

2. COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Chemical Name	% Weight	ACGIH TWA	Acute Toxicity	IARC*	NTP*	OSHA*
7647-14-5	Sodium Chloride	100	NA	NA	NA	NA	NA

* IARC - Group 1 (Carcinogenic to humans)

* NTP - Report on Carcinogens - Known Carcinogens

* OSHA - Regulated Carcinogens

3. HAZARDS IDENTIFICATION

Emergency Overview

May cause eye irritation

Eye Contact	Moderately irritating to the eyes
Skin Contact	Substance may cause slight skin irritation
Inhalation	Inhalation of dust in high concentration may cause irritation of respiratory system.
Ingestion	Ingestion may cause irritation to mucous membranes. May cause gastrointestinal discomfort if consumed large amounts.
Principle Routes of Exposure	Eye contact, skin contact, and ingestion

4. FIRST AID MEASURES

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. If irritation persists, call a physician.
Inhalation	Move to fresh air
Ingestion	Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician
Notes to Physician	Treat symptomatically
Protection of First-Aiders	
Aggravated Medical Conditions	None know

5. FIRE-FIGHTING MEASURES

Flash Point	Not applicable			
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.			
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			
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	Use personal protective equipment. Ensure adequate ventilation. Avoid dust formation
Methods for cleaning up	Clean up promptly by sweeping or vacuum. Avoid dust formation. Flush area with flooding quantities of water. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Safe Handling Advice	Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation. Do not breathe vapors/dust. Avoid contact with eyes.
Storage	Keep tightly closed in a dry and cool place. Keep in properly labeled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering measures	Eyewash stations
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Personal protective equipment

Hand Protection	
Eye protection	Risk of contact, wear: tightly fitting safety goggles.
Respiratory Protection	
Skin and Body Protection	No special protective equipment required
Respiratory Protection	None required under normal usage. Respirator must be worn if exposed to dust
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form	Granular solid
Appearance	White
Odor	none

Important Health Safety and Environmental Information

pH	6.5 – 7.5 (in aqueous solution)
Boiling Point / Range	No data available
Flash Point	No data available
Molecular Weight	58.44
Vapor Pressure	No information available
Vapor Density	No information available
Water Solubility	Completely soluble
Specific Gravity	2.17
Melting Point / Range	804 C (1479 F)

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions
Materials to Avoid	Strong oxidizing agents; strong acids
Hazardous Decomposition Products	None known
Polymerization	Polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information Product does not present an acute toxicity hazard based on known information

Local Effects Moderately irritating to the eyes. Inhalation of dust in high concentration may cause irritation of respiratory system

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium chloride	3g/kg (Rat)	10g/kg (Rabbit)	42g/m ³ (Rat) 1 h

Chronic Toxicity

Target Organ	None known
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12. ECOLOGICAL INFORMATION

Ecotoxicity Effects

Ecotoxicity effects.

Chemical Name	Toxicity to algae	Toxicity to fish	Microtox	Daphnia Magna (water fleas)
Sodium Chloride	NA	NA	NA	EC50= 1000mg/L 48h

Product Information

Aquatic Toxicity	No information available.
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Other Information

Mobility	Will likely be mobile in the environment due to its water solubility.
Bioaccumulative Potential	Does not bioaccumulate.
Persistence and Degradability	Product is not biodegradable

13. DISPOSAL CONSIDERATIONS

Waste From Residues / Unused Products	This material, as supplied, is not a hazardous waste according to state and federal regulations.
Contaminated Packaging	Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

DOT	Not regulated
TDG	Not regulated
MEX	Not regulated
ICAO	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated
RID	Not regulated
ADR	Not regulated
ADN	Not regulated

15. REGULATORY INFORMATION

U.S. Inventories

TSCA	Complies
DSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
CHINA	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any Proposition 65 chemicals.

U. S. State Right-to-Know Regulations

International Regulations

Mexico – Grade Minimum risk, Grade 0

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

16. OTHER INFORMATION

Issuing Date	06-Aug-2007
Revision Date	16-June-2008

End of Safety Data Sheet.