

Product name Oreq Test Solution #2

Phenol Red Reagent

Revision date 5-22-15

Section 1 Identification

Product ID: Test Solution #2 Phenol Red Reagent

Chemical Name: Sulfonphthalein dye solution Synonyms: Phenol Red Reagent

Chemical Formula: Not Available
CAS Number: Not Available

Product Use: For pH Test in Swimming Pools/Spas

Supplier: Oreq Corporation

42306 Remington Avenue Temecula, CA 92590

951-296-5076

Emergency Phone# Chemtrec: 1-800-424-9300

Section 2 Hazards identification

EMERGENCY OVERVIEW WARNING



Appearance – Red Color Physical State – Liquid Odor - None

GHS Classification

Skin Corrosion/irritation: (Category 2) Serious eye damage/eye irritation (Category 2A) Specific target organ toxicity (single exposure) (Category 3)

Hazard Statement(s)

H315: Causes skin irritation

H319: Causes serious eye irritation H335: May cause respiratory irritation

Precautionary Statement(s)

Prevention

P264: Wash face, hands and any exposed skin thoroughly after handling

P261: Avoid breathing dust/fume/gas/mist/vapors/spray P271: Use only outdoors or in a well-ventilated area

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313 If eye irritation persists: Get medical advice/attention.



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Section 2 Hazards identification (Continued)

P302+352 IF ON SKIN: Wash with plenty of soap and water P332+313 If skin irritation occurs: Get medical advice/attention

P362+364 Take off contaminated clothing and wash before reuse

P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P309+P311: IF exposed or if you feel unwell: Immediately call a POISON CENTER or doctor/physician.

P363: Wash contaminated clothing before re-use.

Section 3 Composition / Information on ingredients

COMPONENT	CAS#	PERCENT
Phenol Red	143-74-8	Less than 0.1%
Water	7232-18-5	Up to 100%

Ingredients listed in this section have been determined to be hazardous as defined in 29CFR 1910.1200. Materials determined to be health hazards are listed if they comprise 1% or more of the composition.

If the classifier has reason to suspect that an ingredient present at a concentration <1% will affect classification of the mixture for skin or eye corrosion/irritation, that ingredient shall also be considered relevant as defined in 29CFR 1910.1200 Appendix A.

Section 4 First - aid measures

First aid measures

General Advice: Poison information centers in each State capital city can provide additional assistance for

scheduled poisons (13 1126)

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

Get medical attention. If symptoms persist, call a physician.

Eye Contact: Flush eye with water for 15 minutes. Get medical attention.

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Get medical attention.

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious

person. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed

Symptoms Causes serious eye irritation. Causes skin irritation. May cause irritation of respiratory tract.

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically



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Section 5 Fire - fighting measures

Extinguishing Media

Suitable Extinguishing Media: Dry chemical. Carbon dioxide (CO2). Water spray. Foam.

Unsuitable Extinguishing Media: No information available.

Hazardous Combustion Products: Carbon oxides; Sulfur oxides

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.

Section 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Use personal protective equipment. Ensure adequate ventilation. Keep people away from and upwind

of spill/leak. Evacuate personnel to safe areas. Avoid contact with skin, eyes and clothing. Avoid

breathing dust. Avoid dust formation. Remove all sources of ignition.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Prevent

entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning upUse appropriate tools to put the spilled solid in a suitable waste disposal container.

Clean contaminated surface thoroughly.

Section 7 Handling and storage

Precautions for safe handling

Handling

Handle in accordance with good industrial hygiene and safety practice.

Prevent contact with skin, eyes, and clothing. Do not ingest. Do not eat, drink, or smoke when using this

product.

Storage Keep containers tightly closed in a dry, cool, and well-ventilated place. To maintain product quality, do not

store in heat or direct sunlight. Do not store in metal containers. Keep out of the reach of children.

Incompatible Products Oxidizing agents.



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Section 8 Exposure controls / personal protection

Control parameters

United States

Components	OSHA	NIOSH	ACGIH	AIHA WHEEL
Phenol Red - 143-74-8	None	None	None	None

Canada

Components	Alberta	British Columbia	Ontario	Quebec
Phenol Red - 143-74-8	None	None	None	None

Australia and Mexico

Components	Australia	Mexico	
Phenol Red - 143-74-8	None	None	

Appropriate engineering controls

Engineering Measures Showers

> Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment

Safety glasses with side-shields. Goggles **Eye/face Protection**

Skin and body protection Long sleeved clothing. Gloves

Respiratory protection When workers are facing concentrations above the exposure limit they

must use appropriate certified respirators.

Hygiene measures: Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke.

Wash hands before breaks and immediately after handling the product.

Section 9 Physical and chemical properties

No information available pН

Boiling Point/Range

Evaporation rate

Flammability (solid, gas)

Lower flammability limit:

Specific gravity

100 °C / 212 °F

No information available

No information available No information available Melting point/freezing point

Flash point

Flammability Limit in Air **Upper flammability limit:**

Vapor pressure Water solubility No information available No information available

No information available

No information available No information available



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Section 9 Physical and chemical properties (Continued)

Solubility in other solvents
Autoignition temperature
Explosive properties
Softening point
VOC Content
Bulk density
No information available

Partition coefficientNo information availableDecomposition temperatureNo information availableOxidizing propertiesNo information availableMolecular weightNo information availableDensityNo information available

Section 10 Stability and reactivity

Reactivity

Reactive with oxidizing agents

Chemical stability

Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to avoid: Heat. Ignition sources. Incompatible materials.

Incompatible Materials: Oxidizing agents.

Hazardous decomposition products: Carbon monoxide. Sulfur oxides. Carbon dioxide.

Section 11 Toxicological information

Information on likely routes of exposure

Principal Routes of Exposure:

Inhalation. Ingestion.

Acute Toxicity

Component Information

Phenol Red - 143-74-8

LD50/oral/rat = No information available

LD50/oral/mouse = No information available

LD50/dermal/rat = No information available

LD50/dermal/rabbit = No information available

LC50/inhalation/rat = No information available

LC50/inhalation/mouse = No infomation available

Other LD50 or LC50information = 752 mg/kg Intravenous. LD50 Rat

1368 mg/kg Intravenous LD50 Mouse

> 600 mg/kg subcutaneous. LD50 Rat



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Section 11 Toxicological information (Continued)

Product Information

LD50/oral/rat =

VALUE- Acute Tox Oral = No information available

LD50/oral/mouse =

Value - Acute Tox Oral = No information available

LD50/dermal/rabbit

VALUE-Acute Tox Dermal = No information available

LD50/dermal/rat

VALUE -Acute Tox Dermal = No information available

LC50/inhalation/rat

VALUE-Vapor = No information available VALUE-Gas = No information available VALUE-Dust/Mist = No information available

LC50/Inhalation/mouse

VALUE-Vapor = No information available
VALUE - Gas = No information available
VALUE - Dust/Mist = No information available

Symptoms

Skin Contact: Causes skin irritation. Eye Contact: Causes eye irritation.

Inhalation Inhalation of dust may cause respiratory tract irritation.

Ingestion May cause digestive (gastointestinal) tract irritation. It may affect the urinary system.

Aspiration hazard No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic Toxicity No information available **Sensitization:** No information available

Mutagenic Effects: May affect genetic material Mutations in microorganisms

Experiments with bacteria and/or yeast have shown mutagenic effects

Carcinogenic effects: Not considered carcinogenic



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Section 12 Ecological information

Ecotoxicity

Ecotoxicity effects: No data available.

Persistence and degradability: No information available

Bioaccumulative potential: No information available

Mobility: No information available

Section 13 Disposal considerations

Waste Disposal Method Dispose according to federal, state, and local regulations.

Contaminated packaging Empty containers should be taken for local recycling, recovery or waste disposal

Section 14 Transport information

DOTNOT REGULATEDTDGNOT REGULATEDADRNOT REGULATEDIMO/IMDGNOT REGULATEDRIDNOT REGULATEDICAONOT REGULATEDIATANOT REGULATED

Section 15 Regulatory information

International Inventories

TSCA Complies **IECSC** Complies **DSL/NDSL** Complies **KECL** Complies **EINECS/ELINCS** Complies **PICCS** Complies Complies **AICS** Complies **ENCS**

U.S. Federal Regulations

CERCLA/SARA

<u>OLITOLA/OATTA</u>					
Components	CERCLA - Hazardous Substances and their	Section 302 Extremely Hazardous	Section 302 Extremely Hazardous	Section 313 - Chemical Category	Section 313 - Reporting
	Reportable Quantities	Substances and TPQs	Substances and RQs		de minimis
Phenol Red	None	None	None	None	None



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Section 15 Regulatory information (Continued)

US TSCA

Components	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting	
Phenol Red	N/A	N/A	

Canada

WHMIS hazard class:

Non-controlled

Canada Controlled Products Regulation:

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains

all of the information required by the CPR.

U.S. State Regulations

California Proposition 65

Chemicals Known to the State of California to Cause Cancer:

This product does not contain a chemical requiring a warning under California Prop. 65.

Section 16 Other information

DATE OF PREPARATION 5-22-15

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