

1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Product Identifiers

Product code	RW-1065WR
Product name	Wide Range pH Indicator Solution

1.2. Alternate product names	Universal Indicator Solution
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1.3. Relevant identified uses of the substance or mixture and used advised against	
Identified Uses	This product is used as an indicator of pH.

1.4. Details of the supplier of the safety data sheet

Distributor	Navien, Inc. www.navieninc.com 20 Goodyear, Irvine, CA USA 92618 Navien Technical Support Team: 1-800-519-8794 Email: CAtechsupport@navien.com NJtechsupport@navien.com
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Manufacturer	WET International 316 Roma Jean Parkway, Streamwood, IL USA 60107 (630) 540-2113
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1.5. Emergency telephone number	
Emergency phone#	Infotrac: (800) 535-5053

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Flammable Liquids (Category 2)
Eye Irritation (Category 2B)

2.2. GHS Label elements, including precautionary statements



Pictogram:
Signal Word: Danger

Hazard Statement(s)
Highly flammable liquid and vapor. Causes eye irritation.

Precautionary Statement(s)

Wear chemical-splash goggles and chemical-resistant protective gloves. Avoid contact with eyes, skin and clothing. Keep container tightly closed. Keep away from heat, sparks, open flames and hot surfaces. No smoking. Use only non-sparking tools. Take precautionary measures against static discharge.

FIRST AID: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists, get medical attention. IF ON SKIN (OR HAIR): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes.

Wash contaminated clothing before reuse. IF SWALLOWED: Rinse mouth. If conscious, dilute by drinking up to a cupful of milk or water as tolerated.

2.3. Hazards not otherwise classified (HNOC) or not covered by GHS

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance/Mixture

Chemical	CAS No.	Percentage	Classification	Other Limits
Isopropyl Alcohol	67-63-0	70-90%	Flam. Liq. 2; Eye Irrit. 2A; STOT SE 3; H225, H319, H336	ACGIH TLV - 1,000ppm OSHA Occupational Exposure Limits - 1,000ppm NIOSH Recommended Exposure Limits - 1,000ppm
Phenolphthalein	77-09-8	<.1%	Muta. 2; Carc. 1B; Repr. 2; H341, H350, H361	Included in the Candidate List of Substances of Very High Concern (SVHC) according to the regulation (EC) No. 1907/2006 (REACH).

4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

If inhaled, move person to fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water.

Skin Contact

Wash off with soap and plenty of water. Consult a physician.

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

4.2. Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (section 2) and/or in section 11.

4.3. Indication of any immediate medical attention and special treatment needed

No data available

5. FIREFIGHTING MEASURES**5.1. Extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide

5.2. Special hazards arising from the substance or mixture

Carbon oxides

5.3. Advice for firefighters

Wear self-contained breathing apparatus for fire fighting if necessary. Use water spray to cool unopened containers.

5.4. Further information

No data available

6. ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid breathing vapors, mist or gas. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. For personal protection, see section 8.

6.2. Environmental precautions

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

6.3. Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

6.4. Reference to other sections

See section 8 and 13 for further information

7. HANDLING AND STORAGE**7.1. Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use explosion-proof equipment. Keep away from sources of ignition. No smoking. Take measures to prevent the buildup of electrostatic charge. For precautions, see section 2.2.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Handle and store under inert gas.
Hygroscopic.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

See section 3.

8.2. Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

Eye/face protection

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate, use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Red/Green Liquid
Odor	No data available
Odor threshold	No data available
pH	5.5-6.0 at 68 deg. F.
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	73 degrees F
Evaporation rate	No data available
Flammability (solid, gas)	No data available

Upper/lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	0.89 g/cm ³ at 68 deg F
Water solubility	soluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	685.4 deg F
Decomposition temperature	No data available

10. STABILITY AND REACTIVITY

10.1. Reactivity

This product is stable and nonreactive under normal conditions of use, storage, transport.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Vapours may form explosive mixture with air.

10.4. Conditions to avoid

Heat, flames and sparks. Extremes of temperature and direct sunlight.

10.5. Incompatible materials

Oxidizing agents, Acid anhydrides, aluminum, halogenated compounds, acids.

10.6. Hazardous decomposition products

No data available. In the event of fire, see section 5.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

Specific target organ toxicity – single exposure

Inhalation, Oral - May cause drowsiness or dizziness.

Specific target organ toxicity – repeated exposure

No data available.

Aspiration hazard

No data available.

Additional information

No data available.

12. ECOLOGICAL INFORMATION

12.1. Ecotoxicity (Aquatic and Terrestrial)

No data available.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No bioaccumulation is to be expected.

12.4. Mobility in soil

No data available.

12.5. Other adverse effects

No data available.

13. DISPOSAL CONSIDERATIONS

13.1. Disposal methods

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Contact a licensed professional waste disposal service to dispose of this material.

14. TRANSPORT INFORMATION

14.1. DOT (U.S. Department of Transportation)

UN number	UN1219
UN proper shipping name	Isopropanol
Transport hazard class(es)	3
Packing group	II
Reportable Quantity (RQ)	No data available.
Marine Pollutant	No
Poison Inhalation Hazard	No

14.2. IMDG (International Maritime Dangerous Goods)

UN number	UN1219
UN proper shipping name	Isopropanol
Transport hazard class(es)	3
Packing group	II
Marine Pollutant	No

14.3. IATA (International Air Transport Association)

UN number	UN1219
UN proper shipping name	Isopropanol
Transport hazard class(es)	3
Packing group	II

15. REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/substance specific legislation**

CERCLA RQ:	No
TSCA:	All ingredients are listed on the TSCA inventory.
Prop 65:	No
SARA 311/312:	Acute Health Hazard
SARA 313 Chemicals:	No
State Right to Know:	Isopropyl Alcohol/67-63-0, Phenolphthalein/77-09-8, /, /, /
Other information:	

Please consult relevant federal and local regulations for additional details.

16. OTHER INFORMATION**HMIS Rating**

Health hazard	2
Flammability	3
Physical hazard	0
Personal protection	

NFPA Rating

Health hazard	2
Fire hazard	3
Reactivity hazard	0
Specific hazard	

Preparation Information

WET International

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