

## Section 1

## Product Description

Product Name:	Phenolphthalein Ind Soln, 30 mL
Manufacturer number	PH1605-A
Distributor:	Best Sanitizers, Inc. PO Box 1360 Penn Valley, CA 95946
Chemical Information Emergency: Aquaphoenix Scientific	1.800.255.3924

## Section 2

## Hazard Identification

Classification of the substance or mixture:

Flammable liquids	Category 3
Specific target organ toxicity following single exposure	Category 3
Eye Irritant	Category 2
Acute Toxicity	Category 3

### Danger



**Appearance**—Aqueous solution

**Physical state**—Liquid

**Odor**— Mild Alcohol Odor

### Hazard Statements

Causes serious eye irritation.

Flammable liquid and vapor.

Suspected of causing genetic defects.

May cause cancer.

Suspected of damaging fertility or the unborn child.

### Precautionary Statements—Prevention

Obtain special instructions before use.

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

Do not handle until all safety precautions have been read and understood.

Keep away from heat/sparks/open flames/hot surfaces----No Smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

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Wash hands and forearms thoroughly after handling. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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

IF exposed or concerned: Get medical advice/attention.

Specific treatment (see Section 4).

In case of fire: Use media appropriate for extinction. Store locked up.

Store in a well ventilated place. Keep cool. Dispose of contents/container according to local, regional, national, territorial, provincial, and international regulation.

## Precautionary Statements—Disposal

Dispose of contents/container to an approved waste disposal plant.

## Hazards not otherwise classified (HNOC)

None

## Other Information

No ingredients of Unknown Acute Toxicity

## Section 3

## Composition/Information on Ingredients

Chemical Name	CAS No.	Weight-%
Isopropyl Alcohol	67-63-0	25
Methanol	67-56-1	12.5
Ethanol	64-17-5	12.5
Phenolphthalein	77-09-8	0.5
Water	7732-18-5	50

## Section 4

## First Aid Measures

### First Aid Measures

#### Eye Contact

Hold eye(s) open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye(s). Get medical advice/attention.

#### Skin Contact

Immediately remove any clothing soiled by the product. Immediately flush with plenty of water. Get medical attention.

#### Inhalation

Remove to fresh air. Seek immediate medical advice. Provide oxygen treatment if affected person has difficulty breathing. In case of irregular breathing or respiratory arrest provide artificial respiration.

#### Ingestion

Do NOT induce vomiting. Call for medical help immediately. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after accident. Drink sips of water or milk.

### Most important symptoms and effects, both acute and delayed

#### Symptoms

Headache. Acidosis. Disorientation. Unconsciousness. Coughing. Breathing difficulty. Dizziness. Gastric or intestinal disorders when ingested. Nausea in case of ingestion. Slight irritant effect on skin and mucous membranes. Irritant to eyes. Blindness.

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## **Indication of any immediate medical attention and special treatment needed**

Contains methanol. Consult literature for specific antidotes. Medical supervision for at least 48 hours. Monitor circulation, possible shock treatment. If necessary oxygen respiration treatment. Note to physician: Treat symptomatically.

## **Section 5**

## **Fire-Fighting Measures**

### **Suitable Extinguishing Media**

Dry Chemical, Water spray (fog), Carbon dioxide (CO<sub>2</sub>), Fight large fires with water spray.

### **Unsuitable Extinguishing Media**

None.

### **Specific hazards arising from the chemical**

Formation of toxic gases is possible during heating or in case of fire.

### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers with flooding quantities of water until well after fire is out. Eliminate all ignition sources if safe to do so.

## **Section 6**

## **Accidental Release Measures**

### **Personal Precautions, Protective Equipment and Emergency Procedures**

#### **Personal Precautions**

Use personal protection recommended in Section 8. Ensure adequate ventilation, especially in confined areas. Keep unprotected persons away. Keep away from ignition sources. Protect from heat.

#### **Environment Precautions**

#### **Environmental Precautions**

Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional ecological information.

### **Methods and material for containment and cleaning up**

#### **Methods for containment**

Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (See Section 13).

#### **Methods for cleaning up**

Use clean non-sparking tools to collect absorbed material. May be ignited by friction, heat, sparks or flames. Collect spillage. Soak up with inert absorbent material,. Sweep up and shovel into suitable containers for disposal. Following product recovery, flush area with water. Always obey local regulations. Wash hands after handling. Avoid contact with skin and eyes.

# Safety Data Sheet

## Section 7

## Handling and Storage

### **Precautions for Safe Handling**

#### Advice on Safe Handling

Prevent formation of aerosols. Avoid splashes or spray in enclosed areas. Take precautionary measures against static discharges. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8. Rags, metal wools/cuttings/shavings and waste papers soaked with product must be placed in a sealed metal container rated for flammable waste. Flammable gas-air mixtures may form in empty receptacles. Fumes can combine with air to form an explosive mixture.

### **Conditions for safe storage, including any incompatibilities**

#### Storage Conditions/ Incompatible materials

Keep Containers tightly closed in a dry, cool and well-ventilated place. Avoid storage near extreme heat, ignition sources or open flame. Keep away from foodstuffs. Store away from oxidizing agents. Protect from freezing and physical damage.

## Safety Data Sheet

### Section 8

### Protection Information

#### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> (vacated) TWA: 400 ppm (vacated) TWA: 980 ppm (vacated)STEL: 500 ppm (vacated)STEL: 1225 mg/m <sup>3</sup>	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup>
Ethyl Alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 980 mg/m <sup>3</sup> vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>
Methanol 67-56-1	TWA: 200 ppm	TWA: 400 ppm	

#### Appropriate Engineering Controls

Engineering Controls                      Showers, eyewash stations, ventilation system. Proper grounding procedures to avoid static electricity.

#### Individual Protection Measures, such as personal protective equipment

Eye/Face protection	Wear safety glasses with side shields (or goggles).
Skin and body protection	Wear impermeable and resistant to the product/ substance/preparation protective gloves. Selection of glove material on consideration of the penetration times, rates of diffusion and degradation.
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
General Hygiene Considerations	Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing and shoes before reuse. Do not Eat, Drink or Smoke when using this product.

### Section 9

### Physical and Chemical Properties

#### Information on basic physical and chemical properties

Formula:	See Section 3	Physical State:	Liquid
Odor:	Mild Alcohol	Appearance:	Aqueous solution
Odor Threshold:	No Information Available	Color:	Pink

# Safety Data Sheet

## Property

pH  
Melting Point/Freezing Point  
Boiling Point/Boiling Range  
Flash Point  
Evaporation rate  
Flammability (solid, gas)  
Flammability Limit in Air  
    Upper flammability limit:  
    Lower flammability  
limit: Vapor pressure:  
Vapor density:  
Specific Gravity  
Water solubility  
Partition coefficient  
Autoignition temperature  
Decomposition temperature  
Kinematic viscosity  
Dynamic viscosity  
Explosive properties

## Values

slightly acidic  
-88°C  
Approximately 82°C  
Not Determined  
2.88  
Not Determined  
Not Determined  
Not Determined  
33mm Hg @ 20 °C  
2.1  
Slightly heavier than water  
Soluble in water  
No information available  
Product is not self-igniting  
No information available  
No information available  
No information available  
No information available

## Section 10

## Stability and Reactivity Data

### **Reactivity**

No data available.

### **Chemical Stability**

Stable under recommended storage conditions.

### **Possibility of Hazardous Reactions**

Flammable. Toxic fumes may be released if heated above the decomposition point. Reacts violently with oxidizing agents.

### **Conditions to avoid**

Heat, sparks, open flame, other ignition sources. Excess heat.

### **Incompatible materials**

Strong acids. Strong bases. Oxidizers, aldehydes, heat, sparks, open flame, metallic oxides.

### **Hazardous Decomposition Products**

Carbon oxides (CO, CO<sub>2</sub>). Acrid and irritating fumes, including toxic oxides of carbon will heat to combustion.

## Section 11

## Toxicity Data

### Information on toxicological effects

Inhalation 83.2 mg/L (Methanol), 72.6 mg/L (Isopropanol)  
Sensitization Not Classified  
Germ cell mutagenicity No Information Available  
Carcinogenicity IARC: Group 2B  
Reproductive toxicity No Information Available  
STOT single exposure No Information Available  
STOT repeated exposure No Information Available

# Safety Data Sheet

## Section 12

## Ecological Data

### Ecotoxicity

**Fish:** Not measured.

**Crustacea:** Not measured.

**Algae:** Not measured.

**Terrestrial:** Not measured.

### Persistence and degradability

Biodegradable.

### Bioaccumulation

No further relevant information available.

### Mobility

No information available.

### Other adverse effects

No information available

## Section 13

## Disposal Information

### Waste treatment methods

Disposal of wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations. Do not dispose together with household garbage.

Contaminated packaging

Dispose of in accordance with federal, state and local regulations. Handle empty containers with care because residual vapors are flammable. Avoid release to the environment.

## Section 14

## Transport Information

### DOT

UN ID Number	UN1993
UN proper shipping name	Flammable Liquids, N.O.S. (Isopropanol)
Hazard Class	3
Packing Group	III

# Safety Data Sheet

## Section 15

## Regulatory Information

### International Inventories

**TSCA** Complies

**DSL/NDSL** Complies

### Legend:

**TSCA**—United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL**— Canadian Domestic Substances List/Non-Domestic Substances List

### US Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization of 1986 (SARA).

67-56-1 Methanol

#### **SARA 311/312**

None of the ingredients is listed.

#### **CERCLA**

This material, as supplied, does not contain any substance regulated as a hazardous substance under the Comprehensive Environment Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local regional or state level pertaining to releases of this material.

#### **US State Regulations**

##### **California Proposition 65**

This product contains 77-09-8 Phenolphthalein, chemical known to cause cancer.

This product contains 67-56-1 Methanol, 64-17-5 Ethanol, chemicals known to cause developmental toxicity.

## Section 16

## Additional Information

<u>NFPA</u>	Health Hazards	Flammability	Instability	Physical and Chemical Properties
	2	1	0	0
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal protection
	2	1	0	X

**Prepared by:** Technical Department

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### **Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**