

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 (CO₂), 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.

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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.

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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 ³ (vacated) TWA: 400 ppm (vacated) TWA: 980 ppm (vacated)STEL: 500 ppm (vacated)STEL: 1225 mg/m ³	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m ³ STEL: 500 ppm STEL: 1225 mg/m ³
Ethyl Alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 980 mg/m ³ vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m ³	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m ³
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

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Property

pH	slightly acidic
Melting Point/Freezing Point	-88°C
Boiling Point/Boiling Range	Approximately 82°C
Flash Point	Not Determined
Evaporation rate	2.88
Flammability (solid, gas)	Not Determined
Flammability Limit in Air	
Upper flammability limit:	Not Determined
Lower flammability	Not Determined
limit: Vapor pressure:	33mm Hg @ 20 °C
Vapor density:	2.1
Specific Gravity	Slightly heavier than water
Water solubility	Soluble in water
Partition coefficient	No information available
Autoignition temperature	Product is not self-igniting
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Explosive properties	No information available

Values

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, CO₂). 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

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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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Version 3

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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