

SAFETY DATA SHEET



1. IDENTIFICATION

Product identifier

Product Name Phenolphthalein Ind Soln, 30 mL

Other means of identification

Manufacturer number: PH1605-A

Distributor Address

Best Sanitizers, Inc.

PO Box 1360

Penn Valley, CA 95946

Toll Free: 888-225-3267

Emergency telephone number

Emergency Phone Numbers Aquaphoenix Scientific 1-800-255-3924

2. HAZARDS IDENTIFICATION

Classification

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

Signal word

Danger

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.



Appearance Aqueous solution

Physical State Liquid

Odor Mild alcohol odor

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.

Precautionary Statements - Response

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.

Precautionary Statements - Storage

Store locked up.
 Store in a well ventilated place. Keep cool.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant. Dispose of contents/container according to local, regional, national, territorial, provincial, and international regulation.

Hazards not otherwise classified (HNOC)

Not Applicable

Other Information

No ingredients of Unknown Acute Toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %	Trade Secret
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	

* The exact percentage (concentration) of composition has been withheld as a trade secret.

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). Seek immediate 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

Most Important Symptoms and Effects

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.

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.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry Chemical, Water spray (fog), Carbon dioxide (CO2), Fight large fires with water spray.

Unsuitable Extinguishing Media

No Information available.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions for Emergency Responders

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.

Environmental 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.

7. HANDLING AND STORAGE

Precautions for safe handling

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

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/m3 (vacated) TWA: 400 ppm (vacated) TWA: 980 ppm (vacated)STEL: 500 ppm (vacated) STEL: 1225 mg/m3	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m3 STEL: 500 ppm STEL: 1225 mg/m3
Ethyl Alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 980 mg/m3 vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m3	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m3
Methanol 67-56-1	TWA: 200 ppm	TWA: 400 ppm	-

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

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.

Hygiene Measures

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Formula	See Section 3		
Physical State	Liquid		
Appearance	Aqueous solution	Odor	Mild alcohol
Color	Pink	Odor Threshold	No information available
<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>	
pH	slightly acidic		
Melting/freezing point	-88°C	None known	

Boiling point / boiling range	Approximately 82°C.	None known
Flash Point	Not determined	N/A
Evaporation rate	2.88	None known
Flammability (solid, gas)	Not determined	None known
Flammability Limits in Air		
Upper flammability limit	No data available	None known
Lower flammability limit	No data available	None known
Vapor pressure	33mm Hg @ 20 °C	None known
Vapor density	2.1	None known
Specific Gravity	Slightly heavier than water	None known
Water Solubility	Soluble in water.	None known
Solubility in other solvents	No data available	None known
Partition coefficient:	No data available	None known
Autoignition temperature	Product is not self-igniting	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known

10. STABILITY AND REACTIVITY

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.

11. TOXICOLOGICAL INFORMATION

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

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.

13. DISPOSAL CONSIDERATIONS

Disposal 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.

Chemical Name	California Hazardous Waste Status
Ethyl Alcohol 64-17-5	Toxic; Ignitable
Sodium hydroxide 1310-73-2	Toxic; Corrosive

14. TRANSPORT INFORMATION

DOT

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

15. REGULATORY INFORMATION

Chemical Inventories

TSCA	Complies
DSL/NDSL	Complies
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory	
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List	

U.S. 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 Hazard Categories

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.

16. OTHER INFORMATION

NFPA	Health Hazard 2	Flammability	Instability 0	Physical & Chemical Properties 0
HMIS	Health Hazard 2	Flammability 1	Physical Hazard 0	Personal Protection X

Prepared By Technical Department

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General 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 a 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