

Issuing Date 26-May-2016

Revision Date 13-Jul-2015

Revision Number 1

This safety data sheet was created pursuant to the requirements of 29 CFR 1910.1200

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product identifier**

**Product Name** Phenolphthalein 0.5 %, 1 pint  
**Product Number** 183168  
**Synonyms** None

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Laboratory use only  
**Uses advised against** No information available

**Details of the supplier of the safety data sheet**

**Supplier** ERA a Waters Company  
**Supplier Address** 16341 Table Mountain Parkway, Golden, CO 80403 USA  
**Non-Emergency Telephone Number** +1-303-431-8454  
**E-mail address** sdsinfo@eraqc.com

**Emergency telephone number**


**Company Emergency Phone Number** In case of EMERGENCY call CHEMTREC Day or Night  
Within USA and Canada: 800-424-9300  
International Call Collect: +1-703-527-3887

**2. HAZARDS IDENTIFICATION****Classification**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Flammable Liquids	Category 2
-------------------	------------

**GHS Label elements, including precautionary statements****Emergency Overview**

<b>Signal word</b> Danger		
Highly flammable liquid and vapor		
		
<b>Appearance</b> Clear, colorless	<b>Physical state</b> Liquid	<b>Odor</b> Alcohol

**Precautionary Statements - Prevention**

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

**Precautionary Statements - Response****Skin**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

**Fire**

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Unknown Toxicity**

0 % of the mixture consists of ingredient(s) of unknown toxicity

**Other information**

Toxic to aquatic life

PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION

May cause slight eye irritation

**Interactions with Other Chemicals**

No information available.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Note: only the components contributing to the product's GHS hazard classification are listed in this section.

Chemical Name	CAS No	Weight-%
Ethanol (Ethyl Alcohol)	64-17-5	49 - 50

### 4. FIRST AID MEASURES

**First aid measures**

<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
<b>Inhalation</b>	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, (trained personnel should) give oxygen.
<b>Ingestion</b>	Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person.
<b>Self-protection of the first aider</b>	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

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

**Most Important Symptoms and Effects** No information available.

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

**Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### **Suitable Extinguishing Media**

Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray. Alcohol resistant foam.

### **Unsuitable extinguishing media**

CAUTION: All these products have a very low flash point: Use of water spray when fighting fire may be inefficient.

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

Vapors can form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapor explosion hazard indoors, outdoors or in sewers. Runoff to sewer may create fire or explosion hazard.

### **Hazardous Combustion Products**

Carbon oxides.

### **Explosion Data**

**Sensitivity to Mechanical Impact** No.

**Sensitivity to Static Discharge** Yes.

### **Protective equipment and precautions for firefighters**

Move containers from fire area if you can do it without risk.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions, protective equipment and emergency procedures**

#### **Personal precautions**

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk.

#### **Other Information**

Water spray may reduce vapor; but may not prevent ignition in closed spaces.

#### **Environmental precautions**

#### **Environmental precautions**

Prevent entry into waterways, sewers, basements or confined areas.

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

#### **Methods for containment**

A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

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

Use clean non-sparking tools to collect absorbed material. Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

### **Precautions for safe handling**

#### **Handling**

Handle in accordance with good industrial hygiene and safety practice. Use personal protection equipment. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions.

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

#### **Storage**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

#### **Incompatible Products**

None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Control parameters**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethanol (Ethyl Alcohol) 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 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>

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 Measures**

Showers  
Eyewash stations  
Ventilation systems

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Tight sealing safety goggles.

**Skin and body protection**

Wear protective gloves and protective clothing. Long sleeved clothing. Chemical resistant apron. Impervious gloves. Antistatic boots.

**Respiratory protection**

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical and Chemical Properties****Physical state**

Liquid

**Appearance**

Clear, colorless

**Color**

No information available

**Odor**

Alcohol

**Odor Threshold**

No information available

**Property****Values****Remarks Method****pH**

no data available

None known

**Melting / freezing point**

no data available

None known

**Boiling point / boiling range**

no data available

None known

**Flash Point**

no data available

None known

**Evaporation Rate**

no data available

None known

**Flammability (solid, gas)**

no data available

None known

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

no data available

**Lower flammability limit**

no data available

**Vapor pressure**

no data available

None known

**Vapor density**

no data available

None known

**Specific Gravity**

0.89

None known

**Water Solubility**

Soluble in water

None known

**Solubility in other solvents**

no data available

None known

**Partition coefficient: n-octanol/water**

no data available

None known

**Autoignition temperature**

no data available

None known

**Decomposition temperature**

no data available

None known

**Kinematic viscosity**

no data available

None known

**Dynamic viscosity**

no data available

None known

**Explosive properties**

no data available

**Oxidizing properties**

no data available

**Other Information****Softening Point**

no data available

**VOC Content (%)**

no data available

**Particle Size**

no data available

**Particle Size Distribution**

## 10. STABILITY AND REACTIVITY

### Reactivity

no data available.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Hazardous Polymerization

Hazardous polymerization does not occur.

### Conditions to avoid

Heat, flames and sparks.

### Incompatible materials

None known based on information supplied.

### Hazardous Decomposition Products

Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

##### Inhalation

Specific test data for the substance or mixture is not available.

##### Eye contact

Specific test data for the substance or mixture is not available.

##### Skin contact

Specific test data for the substance or mixture is not available.

##### Ingestion

Specific test data for the substance or mixture is not available.

#### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethanol (Ethyl Alcohol) 64-17-5	= 7060 mg/kg ( Rat )	-	= 124.7 mg/L ( Rat ) 4 h

### Information on toxicological effects

#### Symptoms

No information available.

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

#### Sensitization

No information available.

#### Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethanol (Ethyl Alcohol) 64-17-5	A3	Group 1	Known	X

*ACGIH (American Conference of Governmental Industrial Hygienists)*

*A3 - Animal Carcinogen*

*IARC (International Agency for Research on Cancer)*

*Group 1 - Carcinogenic to Humans*

*NTP (National Toxicology Program)*

*Known - Known Carcinogen*

*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

*X - Present*

#### Reproductive toxicity

No information available.

#### STOT - single exposure

No information available.

#### STOT - repeated exposure

No information available.

#### Chronic Toxicity

No known effect based on information supplied. Contains a known or suspected carcinogen. Ethanol has been shown to be a reproductive toxin only when consumed as an alcoholic beverage. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.

#### Target Organ Effects

None known.

#### Aspiration Hazard

No information available.

**Numerical measures of toxicity Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (inhalation-dust/mist)**

251.90 mg/L

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Toxic to aquatic organisms.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Ethanol (Ethyl Alcohol) 64-17-5		96h LC50: 12.0 - 16.0 mL/L (Oncorhynchus mykiss) 96h LC50: > 100 mg/L (Pimephales promelas) 96h LC50: 13400 - 15100 mg/L (Pimephales promelas)		48h LC50: 9268 - 14221 mg/L 48h EC50: = 2 mg/L 24h EC50: = 10800 mg/L

**Persistence and Degradability**

No information available.

**Bioaccumulation**

Chemical Name	Log Pow
Ethanol (Ethyl Alcohol) 64-17-5	-0.32

**Other adverse effects**

No information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods****Disposal methods**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements. Should not be released into the environment. Dispose of contents/containers in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated Packaging**

Dispose of contents/containers in accordance with local regulations.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste
Ethanol (Ethyl Alcohol) 64-17-5	Toxic Ignitable

## 14. TRANSPORT INFORMATION

**DOT**

UN-No.	UN1170
Proper Shipping Name	ETHANOL
Hazard Class	3
Packing Group	II
Description	UN1170, ETHANOL, 3, II
Emergency Response Guide Number	127

**TDG**

UN-No.	UN1170
Proper Shipping Name	ETHANOL
Hazard Class	3
Packing Group	II
Description	UN1170, ETHANOL, 3, II

**MEX**

UN-No.	UN1170
Proper Shipping Name	ETHANOL
Hazard Class	3
Packing Group	II
Description	UN1170, ETHANOL, 3, II

**ICAO**

UN-No.	UN1170
Proper Shipping Name	ETHANOL
Hazard Class	3
Packing Group	II
Description	UN1170, ETHANOL, 3, II

**IATA**

UN-No.	UN1170
Proper Shipping Name	ETHANOL
Hazard Class	3
Packing Group	II
Description	UN1170, ETHANOL, 3, II

**IMDG/IMO**

UN-No.	UN1170
Proper Shipping Name	ETHANOL
Hazard Class	3
Packing Group	II
EmS-No.	F-E, S-D
Description	UN1170, ETHANOL, 3, II, (14°C C.C.)

**RID**

UN-No.	UN1170
Proper Shipping Name	ETHANOL
Hazard Class	3
Packing Group	II
Classification code	F1
Description	UN1170, ETHANOL, 3, II
ADR/RID-Labels	3

**ADR**

UN-No.	UN1170
Proper Shipping Name	ETHANOL
Hazard Class	3
Packing Group	II
Classification code	F1
Tunnel restriction code	(D/E)
Description	UN1170, ETHANOL, 3, II, (D/E)

**ADN**

UN-No.	UN1170
Proper Shipping Name	ETHANOL
Hazard Class	3
Packing Group	II
Classification code	F1
Special Provisions	144, 601
Description	UN1170, ETHANOL, 3, II

**Hazard Labels** 3  
**Limited Quantity** 1 L  
**Ventilation** VE01

**15. REGULATORY INFORMATION**

**International Inventories**

TSCA Complies  
 DSL All components are listed either on the DSL or NDSL.  
 IECSC -

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 Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

**Acute Health Hazard** No  
**Chronic Health Hazard** No  
**Fire Hazard** Yes  
**Sudden release of pressure hazard** No  
**Reactive Hazard** No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental 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 the following Proposition 65 chemicals. Ethyl alcohol is only a considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

**U.S. State Right-to-Know Regulations**

**International Regulations**

**Mexico**

**National occupational exposure limits**

Component	Carcinogen Status	Exposure Limits
Ethanol (Ethyl Alcohol) 64-17-5 ( 49 - 50 )		Mexico: TWA 1000 ppm Mexico: TWA 1900 mg/m <sup>3</sup>

Mexico - Occupational Exposure Limits - Carcinogens

**Canada**

**WHMIS Hazard Class**

Not determined

**16. OTHER INFORMATION**

**NFPA** Health Hazards 0 Flammability 0 Instability 0 **Physical and Chemical Hazards -**  
**HMIS** Health Hazards 0 Flammability 0 Physical Hazard 0 **Personal Protection**  
 X

**Prepared By** Product Stewardship



	23 British American Blvd.
	Latham, NY 12110
	1-800-572-6501
<b>Issuing Date</b>	26-May-2016
<b>Revision Date</b>	13-Jul-2015
<b>Revision Note</b>	No information available

**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



The supplier identified below generated this SDS using the UL SDS template. UL did not test, certify, or approve the substance described in this SDS, and all information in this SDS was provided by the supplier or was reproduced from publically available regulatory data sources. UL makes no representations or warranties regarding the completeness or accuracy of the information in this SDS and disclaims all liability in connection with the use of this information or the substance described in this SDS. The layout, appearance and format of this SDS is © 2014 UL LLC. All rights reserved

**End of Safety Data Sheet**