

**1. PRODUCT AND COMPANY IDENTIFICATION****PRODUCT DESCRIPTION:** Phenolphthalein Solution in Ethanol**PRODUCT CODE:** P-165 LT**MANUFACTURER**

Hudson Supply Company

4500 Lee Rd

Cleveland, OH 44128-2959

**Customer Service:** (800) 486-0480**24 HR. EMERGENCY TELEPHONE NUMBERS****CHEMTREC (U.S.):** (800) 424-9300**Emergency Phone:** (800) 424-9300**2. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Chemical Name</u>	<u>Wt. %</u>	<u>CAS#</u>
Ethanol	95	64-17-5
Phenolphthalein	5	77-09-8

**COMPONENTS :****EXPOSURE LIMITS**

<u>Chemical Name</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Supplier</u>
Ethanol	1900 mg/m3	1880 mg/m3	
Phenolphthalein			

**3. HAZARDS IDENTIFICATION****POTENTIAL HEALTH EFFECTS****EYES:** Harmful to eyes. Direct contact with this material causes eye irritation. symptoms may include stinging, tearing, redness and swelling.**SKIN:** May cause significant irritation to the skin.**INGESTION:** Irritant to dangerous.**INHALATION:** Irritant**ACUTE EFFECTS:** Irritation of nose, eyes, skin and mouth, drowsiness, fatigue, narcosis, cough, liver damage, anemia, headache.**SUBCHRONIC/CHRONIC TOXICITY****CHRONIC:** Prolonged inhalation of concentrations above 5000ppm may produce symptoms of irritation. Additives in denatured alcohol may result in other more serious symptoms.

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**CARCINOGENICITY:** Not Listed by NTP

Not listed by IARC

Not listed by OSHA

**MEDICAL CONDITIONS AGGRAVATED:** None Expected.

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#### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for two to three minutes. Remove any contact lenses and continue flushing for 15 minutes. Get medical attention.

**SKIN:** Wash thoroughly with soap and water.

**INGESTION:** Induce vomiting. dilute with water. Never give anything by mouth to anyone who is unconscious or convulsing. Get medical attention.

**INHALATION:** Remove individual to fresh air. Keep person calm. If breathing is difficult, administer oxygen and get proper medical attention.

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#### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** (55.22°F)

**FLAMMABLE LIMITS:** 3.3% to 19%

**AUTOIGNITION TEMPERATURE:** (689.09°F)

**FLAMMABLE CLASS:** 3

**EXTINGUISHING MEDIA:** Any media for the surrounding fire.

**HAZARDOUS COMBUSTION PRODUCTS:** None known.

**FIRE FIGHTING PROCEDURES:** Keep people away. Isolate fire area and deny unnecessary entry. Contain fire water run-off if possible. Fire water runoff, if not contained may cause enviromental damage. Burning liquids may be extinguished by dilution with water. Do not use direct water stream. May spread fire.

**FIRE FIGHTING EQUIPMENT:** Fire fighters should wear goggles and self-contained breathing apparatus to avoid inhalation of smoke or vapors.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

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#### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Cover with dry earth, dry sand, or non-combustible material followed by plastic sheet to minimize spreading.

**LARGE SPILL:** Dike far ahead of the spill. Cover with dry earth, sand, or non-combustible

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material.

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## 7. HANDLING AND STORAGE

**HANDLING:** Wear safety glasses, goggles, or face shield, safety gloves, personal protective clothing, or respirator as required in section 8 of this MSDS.

**STORAGE:** Store in unopened containers under cool and dry conditions.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Provide sufficient local exhaust and general ventilation to maintain exposure below PEL(s), especially for spraying operations which produce mists.

### PERSONAL PROTECTION

**EYES AND FACE:** Wear safety glasses with side shields or goggles when handling this material.

**SKIN:** To prevent any contact, wear impervious protective clothing such as neoprene or butyl rubber gloves, apron, boots or whole bodysuit, as appropriate.

**RESPIRATORY:** Use NIOSH/MSHA approved air supplied respirator in absence of proper environmental control.

**WORK HYGIENIC PRACTICES:** Good personal hygiene practices should always be followed.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Faint ethereal odor

**APPEARANCE:** Clear

**COLOR:** Colorless

**pH:** Not Applicable

**PERCENT VOLATILE:** Not Applicable

**VAPOR PRESSURE:** 40.9 ATM @ 20C

**VAPOR DENSITY:** 1.59 (Air=1)

**BOILING POINT:** (173.39°F)

**FREEZING POINT:** Not Applicable

**MELTING POINT:** Not Applicable

**SOLUBILITY IN WATER:** Soluble

**EVAPORATION RATE:** Not Applicable

**DENSITY:** Not Applicable

**SPECIFIC GRAVITY:** Not Applicable

**VISCOSITY:** Not Applicable

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## 10. STABILITY AND REACTIVITY

**STABLE:** YES

**HAZARDOUS POLYMERIZATION:** NO

**CONDITIONS TO AVOID:** Highly flammable, avoid ignitable materials

**POLYMERIZATION:** Will not occur

**HAZARDOUS DECOMPOSITION:** Corrosive and/or toxic gases

**INCOMPATIBLE MATERIALS:** Strong oxidizers, potassium dioxide, bromine, pentafluoride, acetyl bromide, acetyl chloride, platinum, sodium. Acetaldehyde, acrolein, ammonium hydroxide, silver oxide. Barium perchlorate bromine, calcium hypochlorite, chlorine, chromium, hydrogen peroxide, most acids, iodine, lithium, aluminum hydride, methanol, manganese, permanganate, silver.

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#### 11. TOXICOLOGICAL INFORMATION

**EYE EFFECTS:** This material may cause significant irritation to the eyes.

**SKIN EFFECTS:** This material may cause significant irritation to the skin.

**CARCINOGENICITY:**

**CARCINOGENICITY COMMENTS:** Listed by ACGIH

**MUTAGENICITY:** Yes

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#### 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Not Applicable

**ECOTOXICOLOGICAL INFORMATION:** Not Applicable

**CHEMICAL FATE INFORMATION:** Not Applicable

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#### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** In compliance with Federal, State and local regulations for landfills.

**FOR LARGE SPILLS:** Contain material and call local authorities for emergency assistance. In consultation with the appropriate authorities, determine the disposal method or contact the manufacturer.

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#### 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Flammable Liquid, N.O.S.

**TECHNICAL NAME:** Ethanol

**PRIMARY HAZARD CLASS/DIVISION:** 3

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**UN/NA NUMBER:** 1993  
**PACKING GROUP:** II  
**LABEL:** Flammable Liquid

**COMMENTS:** Not Applicable

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#### 15. REGULATORY INFORMATION

**GENERAL COMMENTS:** EPA Regulation: listed  
RCRA hazardous waste number:  
RCRA hazardous waste classification (40 CFR 261.??): classified.  
CERCLA hazardous substance: listed  
CERCLA Reportable Quantity (RQ)  
SARA 311/312 Codes: 114, 1156, 118, 119  
SARA Toxic Chemical (40 CFR 372.65): 17  
SARA EHS: listed  
Threshold Planning Quantity (TPQ): listed  
OSHA Regulations: listed  
OSHA Specifically Regulated Substance (29 CFR 1910.1000): listed  
State Regulations: STCC listed.  
DOT (40 CFR 172.101 Append.): listed  
ACGIH Threshold Limit Value: listed  
MAK: listed  
TSCA: listed  
ANNEX I: listed

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#### 16. OTHER INFORMATION

**APPROVED BY:** David C. Dillon      **TITLE:** Systems Administrator

**APPROVAL DATE:** 01/07/2003

**REVISION SUMMARY** New MSDS

#### **NFPA CODES**

**FIRE:** 3    **HEALTH:** 2    **REACTIVITY:** 0

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