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## 16. OTHER INFORMATION

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### NFPA Hazard Ratings:

Health:	1
Flammability:	3
Reactivity:	0
Special Hazards:	None known.

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The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, NCL of Wisconsin, Inc. makes no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgement in determining its appropriateness for a particular purpose. Accordingly, NCL of Wisconsin, Inc. will not be responsible for damages of any kind resulting from the use of or reliance upon such information.

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END OF MATERIAL SAFETY DATA SHEET

## MATERIAL SAFETY DATA SHEET

NCL of Wisconsin, Inc.

P.O. Box 8

Biramwood, WI 54414

Emergency Telephone No: 800-424-9300 (Chemtrec)

PRODUCT NAME: PHENOLPHTHALEIN, 1% (in Alcohol)

NCL CATALOG NUMBER: P-18

Date of this revision: 11/06/2008

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### 1. CHEMICAL PRODUCT IDENTIFICATION

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Trade name: None.

Chemical Formula: Solution in isopropyl alcohol.

Formula CAS No: Not applicable.

Molecular Weight: Not applicable.

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### 2. COMPOSITION

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Component	CAS#	Approx %
Isopropyl Alcohol	67-63-0	99
Phenolphthalein	77-09-8	1

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### 3. HAZARD IDENTIFICATION

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FLAMMABLE LIQUID AND VAPOR. HARMFUL IF INHALED OR SWALLOWED. CAUSES EYE IRRITATION.

May cause nausea, intoxication, central nervous system depression, headache, decreased blood rate, coma. Chronic exposure during pregnancy may be harmful.

Do not get in eyes, on skin or on clothing. Minimal contact, as with all chemicals, is a good policy to follow. Remove and wash contaminated clothing before re-use.

Routes of entry: Ingestion, inhalation, or skin contact.

Carcinogenicity: This material is not listed (IARC, NTP, OSHA) as a cancer causing agent.

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### 4. FIRST AID MEASURES

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Ingestion: If conscious, drink water and induce vomiting immediately as directed by medical personnel. Call a physician immediately.

Inhalation: Remove to fresh air. Give artificial respiration if breathing has stopped.

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin: Immediately flush skin with plenty of water. Get medical attention if irritation develops. Remove and wash contaminated clothing before re-use. Discard contaminated shoes.

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## 5. FIRE FIGHTING MEASURES

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Flash Point: 53 F (CC)

Flammable Limits (LEL): 2.00%

Flammable Limits (UEL): 12.00%

Fire: Wear self-contained breathing apparatus and protective clothing.

Fire Extinguishing Media: Dry chemical, foam, water spray, carbon dioxide. Use water spray to cool containers.

Explosion Hazards: Dangerous explosion and fire hazard. Vapor can travel distances to ignition source and flash back.

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## 6. ACCIDENTAL RELEASE MEASURES

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Evacuate area of non-essential personnel. Eliminate ignition sources. Scoop up material and transfer to a container and send to a RCRA-approved waste facility.

Ensure compliance with Federal, State, and local regulations.

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## 7. HANDLING AND STORAGE

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Keep in a tightly closed container, stored in a cool, dry, ventilated area. Avoid breathing vapors. Avoid contact with eyes, skin, and clothing. Keep away from ignition sources and oxidizers.

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## 8. EXPOSURE CONTROLS

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Airborne Exposure Limits: None established for product.

For 100% Isopropyl Alcohol (product contains 99%):

OSHA Permissible Exposure Limit (PEL): 400 ppm, 980 mg/cu.m.(TWA)  
500 ppm, 1225 mg/cu.m.(STEL)

ACGIH Threshold Limit Value (TLV): 400 ppm, 983 mg/cu.m.(TWA)  
500 ppm, 1230 mg/cu.m.(STEL)

Ventilation System: Material should be handled or transferred in a fume hood or with equivalent ventilation.

Personal Respirators (NIOSH Approved): If the TLV is exceeded a full facepiece chemical cartridge respirator may be worn, in general, up to the maximum use concentration specified by the respirator supplier, or up to 100 times the TLV, whichever is less. Alternatively, a supplied air full facepiece respirator or airlined hood may be worn.

Skin Protection: Rubber or neoprene gloves and additional protection including impervious boots, apron, or coveralls, as needed in areas of unusual exposure to prevent skin contact.

Eye Protection: Use chemical safety goggles and/or a full face shield where splashing is possible. Contact lenses should not be worn when working with this material.

Maintain eye-wash fountain and quick-drench facilities in work area.

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## 9. PHYSICAL CHEMICAL PROPERTIES

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Appearance: Clear, colorless liquid. Dark pink in alkaline solutions.

Odor: Characteristic odor of alcohol.

Solubility: Infinitely soluble in water.

Boiling Point: 82°C.

Melting Point: -89°C.

Specific Gravity: 0.79

Vapor Density (Air=1): 2.1

Vapor Pressure (mm Hg): 33 @ 20°C.

Evaporation Rate: 2.83

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## 10. STABILITY AND REACTIVITY

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Stability: Stable under ordinary conditions of use and storage. Store away from acids and metals.

Hazardous Decomposition Products: When heated to decomposition, can emit toxic gases and carbon dioxide.

Hazardous Polymerization: This substance does not polymerize.

Incompatibilities: Strong oxidizers, alkali, heat, and sources of ignition, acetaldehyde, ethylene oxide, hydrogen-palladium combination, hydrogen peroxide-sulfuric acid combination, hypochlorous acid, isocyanates, nitroform, phosgene, oleum, perchloric acid, aluminum, potassium t-butoxide, nitric and sulfuric acid mixture, bromine, chlorine.

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## 11. TOXICOLOGICAL INFORMATION

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No toxicity data for product.

For 100% Isopropyl Alcohol (product contains 99%):

orl-hmn LDLo: 3570 mg/kg.

inh-rat LC50: 16000 ppm/8H

orl-rat LD50: 5045 mg/kg

For 100% Phenolphthalein (product contains 1%):

ipr-rat LDLo: 500 mg/kg

Mutagenic effects cited in RTECS.

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## 12. ECOLOGICAL INFORMATION

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None found.

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## 13. DISPOSAL CONSIDERATIONS

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EPA Waste Number: None.

Ensure compliance with Federal, State, and local regulations.

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## 14. TRANSPORT INFORMATION

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DOT Shipping Name: Flammable liquids, n.o.s.

DOT Number: UN1993

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## 15. REGULATORY INFORMATION

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The CAS numbers of all components of this solution are listed on the TSCA Inventory.