

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	PH INDICATOR
Product Code(s)	P-7026
Synonyms	none
Recommended Use	Test kit reagent. Industrial (not for food or food contact use). Laboratory chemicals.
Company	LaMotte Company, Inc. 802 Washington Avenue P.O. Box 329 Chestertown, MD 21620 USA
Emergency Telephone Number	24 Hour Emergency Number (CHEM-TEL): USA, Canada, Puerto Rico 1-800-255-3924 Outside North American Continent (Call collect) 813-248-0585

2. HAZARDS IDENTIFICATION
Emergency Overview

May be irritating to eyes, respiratory system, and skin

Appearance Red, Transparent	Physical State Liquid	Odor Slight, Medicinal
------------------------------------	------------------------------	-------------------------------

Potential Health Effects
Principle Routes of Exposure Inhalation, Skin contact.

Acute Toxicity

Eyes	May cause irritation.
Skin	May cause irritation.
Inhalation	May cause irritation of respiratory tract.
Ingestion	May cause gastrointestinal discomfort if consumed in large amounts.

Chronic Effects
3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Sodium hydroxide	1310-73-2	<0.05
Dicarboxylic acid	-	<0.05
Phenol red	143-74-8	<0.05
Preservative	-	<0.1
Carbolic acid	-	<0.5
Water	7732-18-5	to 100%

Sodium hydroxide and/or Sulfuric acid added for pH adjustment. LaMotte Company proprietary formulation under the State of New Jersey Trade Secret Protection Law, assigned the NJTSRN 80100291-5074p, and may be disclosed only in a medical emergency.

4. FIRST AID MEASURES

General Advice	Do not get in eyes, on skin, or on clothing. Show this safety data sheet to the doctor in attendance.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. If irritation persists or develops, contact a physician.
Skin Contact	Wash skin with soap and water. If irritation develops or persists, consult physician.
Inhalation	Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician.
Ingestion	Drink large quantity of water. If symptoms persist or develop contact physician.
Protection of First-aiders	Use personal protective equipment. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Not a fire hazard.			
Flash Point	Not applicable			
Suitable Extinguishing Media	Water spray, dry chemical, carbon dioxide (CO ₂), or foam.			
Explosion Data				
NFPA	Health Hazard 1	Flammability 0	Stability 0	Physical and Chemical Hazards -
HMIS	Health Hazard 1	Flammability 0	Stability 0	

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Refer to Section 8.
Methods for Containment	Soak up with inert absorbent material, containerize, and hold for disposal.
Methods for Cleaning Up	After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Handling	Handle in accordance with good industrial hygiene and safety practice. Prevent contact with skin, eyes, and clothing. Do not ingest. Do not eat, drink, or smoke when using this product.
Storage	Keep containers tightly closed in a dry, cool, and well-ventilated place. Keep away from direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium hydroxide 1310-73-2	None Known	TWA: 2 mg/m ³	IDLH: 10 mg/m ³ Ceiling: 2 mg/m ³
Dicarboxylic acid	None Known	None Known	None Known
Phenol red 143-74-8	None Known	None Known	None Known
Preservative	None Known	None Known	None Known

Carbolic acid	TWA: 5 ppm	TWA: 19 mg/m ³ TWA: 5 ppm	IDLH: 250 ppm Ceiling: 15.6 ppm Ceiling: 60 mg/m ³ TWA: 19 mg/m ³ TWA: 5 ppm
Water 7732-18-5	None Known	None Known	None Known

Engineering Measures None under normal use conditions.

Personal Protective Equipment

Eye/Face Protection

Safety glasses with side-shields.

Skin and Body Protection

Repeated or prolonged contact: Wear protective gloves/clothing.

Respiratory Protection

Maintain adequate ventilation.

Hygiene Measures

Do not eat, drink or smoke when using this product. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Red Transparent	Odor	Slight, Medicinal
Physical State	Liquid	pH	8
Flash Point	Not applicable	Autoignition Temperature	Not applicable
Boiling Point/Range	ca. 101°C/214°F		

Vapor Pressure	<17 mmHg @ 20°C	Vapor Density	<1(Air = 1)
-----------------------	-----------------	----------------------	-------------

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions of use and storage.

Incompatible Products None known.

Conditions to Avoid Protect from light.

Hazardous Decomposition Products May produce the following when heated to decomposition: Carbon oxides (COx).

Hazardous Polymerization Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium hydroxide	None Known	1350 mg/kg (Rabbit)	None Known
Dicarboxylic acid	None Known	None Known	None Known
Phenol red	None Known	None Known	None Known
Preservative	None Known	None Known	None Known
Carbolic acid	317 mg/kg (Rat)	525 mg/kg (Rat) 630 mg/kg (Rabbit)	None Known
Water	90 mL/kg (Rat)	None Known	None Known

Chronic Toxicity

Chemical Name	ACGIH	IARC	NTP	OSHA
Sodium hydroxide	None Known	None Known	None Known	None Known
Dicarboxylic acid	None Known	None Known	None Known	None Known

Phenol red	None Known	None Known	None Known	None Known
Preservative	None Known	None Known	None Known	None Known
Carbolic acid	None Known	None Known	None Known	None Known
Water	None Known	None Known	None Known	None Known

Endocrine Disruptor Information

Chemical Name	EU - Endocrine Disrupters Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Sodium hydroxide	None Known	None Known	None Known
Dicarboxylic acid	None Known	None Known	None Known
Phenol red	None Known	None Known	None Known
Preservative	None Known	None Known	None Known
Carbolic acid	None Known	None Known	None Known
Water	None Known	None Known	None Known

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Sodium hydroxide	None Known	LC50= 45.4 mg/L Oncorhynchus mykiss 96 h	None Known	None Known
Dicarboxylic acid	None Known	None Known	None Known	None Known
Phenol red	None Known	None Known	None Known	None Known
Preservative	None Known	None Known	None Known	None Known
Carbolic acid	EC50 = 150 mg/L 96 h	LC50 5 - 12 mg/L Oncorhynchus mykiss 96 h LC50= 23.88 mg/L Lepomis macrochirus 96 h LC50= 24 mg/L Pimephales promelas 96 h LC50= 27.8 mg/L Brachydanio rerio 96 h LC50= 40 mg/L Poecilia reticulata 96 h LC50= 8.9 mg/L Oncorhynchus mykiss 96 h	EC50 21 - 36 mg/L 30 min EC50 = 23.28 mg/L 5 min EC50 = 25.61 mg/L 15 min EC50 = 28.8 mg/L 5 min EC50 = 31.6 mg/L 15 min	LC50 = 13 mg/L 48 h EC50 = 23.0 mg/L 48 h
Water	None Known	None Known	None Known	None Known

Persistence and Degradability No information available.

Bioaccumulation/Accumulation No information available.

Chemical Name	Log Pow
Sodium hydroxide	None Known
Dicarboxylic acid	None Known
Phenol red	None Known
Preservative	None Known
Carbolic acid	= 1.47
Water	None Known

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with local regulations.

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Sodium hydroxide - 1310-73-2	None Known	None Known	None Known	None Known
Dicarboxylic acid -	None Known	None Known	None Known	None Known
Phenol red - 143-74-8	None Known	None Known	None Known	None Known

Preservative -	None Known	None Known	None Known	None Known
Carbolic acid -	None Known	None Known	None Known	None Known
Water - 7732-18-5	None Known	None Known	None Known	None Known

14. TRANSPORT INFORMATION

DOT Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

Component	TSCA	DSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Sodium hydroxide 1310-73-2 (<0.05)	Present	X	X	1-410; 2-1972	X	KE-31487	X	X
Dicarboxylic acid (<0.05)	Present	X	X	2-1451	X	KE-33793	X	X
Phenol red 143-74-8 (<0.05)	Present	X	X	4-271	X	KE-02748	X	X
Preservative (<0.1)	TSCA	DSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Carbolic acid (<0.5)	Present	X	X	3-481	X	KE-28209	X	X
Water 7732-18-5 (to 100%)	Present	X	X	ENCS	X	KE-35400	X	X

U.S. 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.

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Sodium hydroxide	1310-73-2	<0.05	None Known
Dicarboxylic acid		<0.05	None Known
Phenol red	143-74-8	<0.05	None Known
Preservative		<0.1	None Known
Carbolic acid		<0.5	1.0
Water	7732-18-5	to 100%	None Known

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hydroxide 1310-73-2 (<0.05)	None Known	None Known	None Known	None Known

Dicarboxylic acid (<0.05)	None Known	None Known	None Known	None Known
Phenol red 143-74-8 (<0.05)	None Known	None Known	None Known	None Known
Preservative (<0.1)	None Known	None Known	None Known	None Known
Carbolic acid (<0.5)	1000 lb	X	X	X
Water 7732-18-5 (to 100%)	None Known	None Known	None Known	None Known

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Sodium hydroxide	1310-73-2	<0.05	None Known	None Known	None Known	None Known
Dicarboxylic acid		<0.05	None Known	None Known	None Known	None Known
Phenol red	143-74-8	<0.05	None Known	None Known	None Known	None Known
Preservative		<0.1	None Known	None Known	None Known	None Known
Carbolic acid		<0.5	Present	Group III	None Known	None Known
Water	7732-18-5	to 100%	None Known	None Known	None Known	None Known

CERCLA

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Sodium hydroxide	1000 lb	None Known
Dicarboxylic acid	None Known	None Known
Phenol red	None Known	None Known
Preservative	None Known	None Known
Carbolic acid	1000 lb	1000 lb
Water	None Known	None Known

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals

Chemical Name	CAS-No	California Prop. 65
Sodium hydroxide	1310-73-2	None Known
Dicarboxylic acid		None Known
Phenol red	143-74-8	None Known
Preservative		None Known
Carbolic acid		None Known
Water	7732-18-5	None Known

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Sodium hydroxide	X	X	X	None Known	X
Dicarboxylic acid	None Known	None Known	None Known	None Known	None Known
Phenol red	None Known	None Known	None Known	None Known	None Known
Preservative	None Known	None Known	None Known	None Known	None Known
Carbolic acid	X	X	X	X	X
Water	None Known	None Known	None Known	None Known	None Known

International Regulations**Mexico - Grade**

Chemical Name	Carcinogen Status	Exposure Limits
Sodium hydroxide	None Known	None Known

Dicarboxylic acid	None Known	None Known
Phenol red	None Known	None Known
Preservative	None Known	None Known
Carbolic acid	None Known	Mexico: TWA= 19 mg/m ³ Mexico: TWA= 5 ppm
Water	None Known	None Known

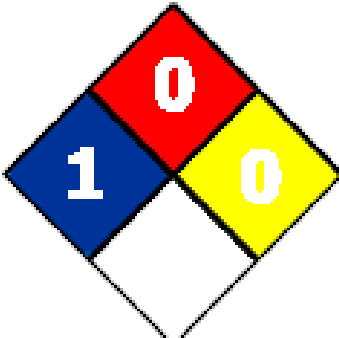

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

Component	WHMIS Hazard Class
Sodium hydroxide 1310-73-2 (<0.05)	1 % E
Dicarboxylic acid (<0.05)	Not determined
Phenol red 143-74-8 (<0.05)	Not determined
Preservative (<0.1)	Not determined
Carbolic acid (<0.5)	1 % D1A E
Water 7732-18-5 (to 100%)	Uncontrolled product according to WHMIS classification criteria

Chemical Name	NPRI
Carbolic acid	X

16. OTHER INFORMATION

NFPA	HMIS	PPE	Transport Symbol						
	<table border="1" style="width: 100%;"> <tr> <td style="background-color: #0000FF; color: white;">Health Hazard</td> <td style="text-align: center; font-weight: bold;">1</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">Fire Hazard</td> <td style="text-align: center; font-weight: bold;">0</td> </tr> <tr> <td style="background-color: #FFFF00; color: black;">Reactivity</td> <td style="text-align: center; font-weight: bold;">0</td> </tr> </table>	Health Hazard	1	Fire Hazard	0	Reactivity	0		
Health Hazard	1								
Fire Hazard	0								
Reactivity	0								

Prepared By Regulatory Affairs Department
 Issuing Date 10/30/2012
 Revision Date -
 Revision Note Initial Release.
 Disclaimer

The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of MSDS