

PHENOL RED INDICATOR
MATERIAL SAFETY DATA SHEET

INTEGRA Chemical Company
1216 6th Ave N
Kent WA 98032
Phone: 253-479-7000
24 Hour Emergency Response: CHEMTREC 800-424-9300 (Outside USA 703-527-3887)

MSDS Number: P276.7A
Revision Date: 16-Apr-08
Revision No.: 004

Page 1

Product Identification

Product Name: PHENOL RED INDICATOR

Synonyms:

Chemical Formula: Mixture

Formula Weight: NA

Chemical Family: Aqueous indicator solution

Integra Product Numbers: P276.7A

Hazard Overview

HMIS Rating: 0-0-0-B NFPA Rating: NE

Warning Label:

Caution.

Use safe chemical handling practices. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

Components

<u>Component</u>	<u>CAS #</u>	<u>%</u>
Water	07732-18-5	99.96
Phenol red, sodium salt	34487-61-1	0.04

Physical Data

<u>Boiling Point:</u>	NA	<u>Specific Gravity:</u>	NA
<u>Melting Point:</u>	NA	<u>Evaporation Rate:</u>	NA
<u>Vapor Pressure:</u>	NA	<u>Vapor Density:</u>	NA Air = 1

Solubility:

Miscible with water.

Appearance and Odor:

Clear, yellow liquid.

Fire and Explosion Data

Flash Point: NA Test Method:
Auto-ignition Temperature: NA
Flammable Limits (% by volume in air): Upper: NA Lower: NA

Fire Extinguishing Media:

Material is not flammable. Use extinguishing media suitable to surrounding materials.

Special Firefighting Procedures:

Use water to cool nearby containers and structures. Wear full protective equipment, including suitable respiratory protection.

Unusual Fire and Explosion Hazards:

None identified

Health Hazard Information

Effects of Overexposure

Skin Contact:

None Identified

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Page 2

Health Hazard Information

Eye Contact:

None Identified

Ingestion:

None Identified

Inhalation:

None Identified

Chronic Effects of Overexposure:

None Identified

Exposure Limits:

	<u>TWA</u>	OSHA PEL <u>STEL</u>	<u>Ceiling</u>
Water	NE	NE	NE
Phenol red, sodium salt	NE	NE	NE

	<u>TWA</u>	ACGIH TLV <u>STEL</u>	<u>Ceiling</u>
Water	NE	NE	NE
Phenol red, sodium salt	NE	NE	NE

Toxicity Data:

Water	No information available	
Phenol red, sodium salt	LD50 (intravenous, mouse)	1368 mg/kg
	LD50 (intravenous, rat)	752 mg/kg
	LD50 (subcutaneous, rat)	>600 mg/kg
	LD50 (oral, rat)	>600 mg/kg

Medical Conditions Generally Aggravated by Exposure:

None Identified

Target Organs:

None Identified

Reproductive Effects:

None Identified

Carcinogenicity:

None Identified

<u>Component</u>	<u>NTP Listing</u>	<u>IARC Listing</u>	<u>OSHA Regulated</u>
Water	No listing	No Listing	<input type="checkbox"/>
Phenol red, sodium salt	No listing	No listing	<input type="checkbox"/>

Emergency First Aid Procedures

Skin Contact:

Wash with soap and water.

Eye Contact:

Flush eyes with water. If irritation persists, seek medical attention.

Inhalation:

Remove to fresh air.

Ingestion:

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Page 3

Emergency First Aid Procedures

Ingestion:

Do not induce vomiting. If adverse symptoms develop, seek medical attention.

Additional First aid and Treatment Notes:

No information available

Reactivity Data

Stability: Stable

Hazardous Polymerization: Will Not Occur

Incompatibles:

Incompatible with strong acids.

Decomposition Products:

None identified

Conditions to Avoid:

Contamination.

Spill and Disposal Procedures

Spill and Leak Procedures:

Prevent spread of spill. Absorb with sand or inert material. Sweep or scoop into a dry disposal container.

Disposal Procedures:

Dispose in accordance with all Local, State and Federal regulations.

Protective Equipment

Ventilation:

Use adequate general or local exhaust ventilation to keep fume and/or dust levels as low as possible.

Respiratory Protection:

None needed unless use generates annoying or irritating dusts, mists or vapors. Use a dust/mist respirator mask if necessary.

Skin and Eye Protective Equipment:

Safety glasses. Use good chemical handling practices.

Storage and Handling Precautions

Storage Area: GENERAL

Store in a cool, dry, well-ventilated area. Store away from incompatible materials. Protect containers from physical damage.

Transportation Information

Regulated Material domestic ground transportation

(reference: CFR Title 49, Transportation)

Proper Shipping Name:

UN or NA Identification number:

Packing Group:

Hazard Class and Label:

Subsidiary Risk and Label:

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Transportation Information

Regulated Material via Air Transportation

(reference: ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air)

Proper Shipping Name:
 UN Identification Number: Hazard Class and Label:
 Packing Group: Subsidiary Risk and Label:

Packing Instruction Max net qty per package

Passenger Aircraft:
 Cargo Aircraft:

Regulatory Information

<u>Component</u>	<u>TSCA</u> <u>Inventory</u>	<u>CERCLA</u> <u>RQ</u>	<u>SARA EHS</u> <u>TPQ</u>	<u>SARA 313 Toxic Release</u> <u>de minimus</u>
Water	<input type="checkbox"/>	lbs	<input type="checkbox"/>	lbs
Phenol red, sodium salt	<input checked="" type="checkbox"/>	lbs	<input type="checkbox"/>	lbs
<u>SARA Hazard Categories:</u>	<u>Acute</u>	<u>Chronic</u>	<u>Flammability</u>	<u>Pressure</u>
Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Phenol red, sodium salt	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Clean Air Act Categories:</u>	<u>SOCMI</u>	<u>HAP</u>	<u>Volatile HAP</u>	<u>Organic HAP</u>
Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Phenol red, sodium salt	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

MSDS Revision History:

- 002 - Changed header phone number
- 003 - Format revisions; updated header phone number
- 004 - Updated Header Information

NE = Not established, NA = Not applicable or Not available

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***** END OF MSDS *****