



# MATERIAL SAFETY DATA SHEET SDS/MSDS

---

## Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

---

### PRODUCT NAME

Indicator Paper Wide Range (with colour scale)

### OTHER NAMES

"indicator reagent test strips"

### PRODUCT USE

Estimation of acidity or basicity of a solution in a laboratory or in the field.

### SUPPLIER

Company: Bio-Chem

Address:

Bio-ChemChemicals

5455NicholsonRoad, Science Market

Ambala Cantt, 133001 - Haryana

+91 82952 41953

info@biofinechemical.com- www.biofinechemical.com

---

## Section 2 - HAZARDS IDENTIFICATION

---

### HAZARD RATINGS

Flammability	█				
Toxicity	█				
Body Contact	█				
Reactivity	█				
Chronic	█				
SCALE:	Min/Nil=0	Low=1	Moderate=2	High=3	Extreme=4

### EMERGENCY OVERVIEW

#### HAZARD

Not hazardous

---

## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

---

NAME	CAS RN	%
indicator papers for pH with mixed dyes changing colour at specified pH		100

---

## Section 4 - FIRST AID MEASURES

---

### SWALLOWED

- If conscious, give water.

### EYE

- If this product comes in contact with the eyes:
  - Wash out immediately with fresh running water.
  - Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.
  - Seek medical attention without delay; if pain persists or recurs seek medical attention.
  - Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

### SKIN

- Not applicable.

### INHALED

- Not applicable.

### NOTES TO PHYSICIAN

- Treat symptomatically.

---

## Section 5 - FIRE FIGHTING MEASURES

---

- Combustible. Will burn if ignited.

### EXTINGUISHING MEDIA

- There is no restriction on the type of extinguisher which may be used.

### FIRE FIGHTING

- Alert Fire Brigade and tell them location and nature of hazard.

### FIRE/EXPLOSION HAZARD

- Combustible. Will burn if ignited.

### FIRE INCOMPATIBILITY

- No known incompatibility with normal range of industrial materials.

### PERSONAL PROTECTION

Glasses:  
Safety Glasses.

Gloves:  
General purpose rubber glove.

---

## Section 6 - ACCIDENTAL RELEASE MEASURES

---

### MINOR SPILLS

- Sweep up.

### MAJOR SPILLS

- Clear area of personnel and move upwind.
- If inhalation risk of exposure exists, wear SAA approved dust respirator.
- Collect recoverable product into labelled containers for recycling.

**Personal Protective Equipment advice is contained in Section 8 of the MSDS.**

---

## Section 7 - HANDLING AND STORAGE

---

### PROCEDURE FOR HANDLING

- Limit all unnecessary personal contact.
- Wear protective clothing when risk of exposure occurs.
- Use in a well-ventilated area.
- When handling DO NOT eat, drink or smoke.
- Always wash hands with soap and water after handling.
- Avoid physical damage to containers.
- Use good occupational work practice.
- Observe manufacturer's storing and handling recommendations.

### SUITABLE CONTAINER

- Packaging as recommended by manufacturer.
- Check that containers are clearly labelled.

### STORAGE INCOMPATIBILITY

- Segregate from strong acids and strong alkalis.

### STORAGE REQUIREMENTS

Laboratory storage for bulk supplies.

---

### SAFE STORAGE WITH OTHER CLASSIFIED CHEMICALS



+: *May be stored together*

O: *May be stored together with specific preventions*

X: *Must not be stored together*

---

## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

---

### EXPOSURE CONTROLS

#### MATERIAL DATA

INDICATOR PAPERS UNIVERSAL PH:

- No exposure limits set by NOHSC or ACGIH.

### PERSONAL PROTECTION



---

**EYE**

- Safety glasses.

**HANDS/FEET**

- Rubber Gloves.

**OTHER**

- Laboratory coat.

The local concentration of material, quantity and conditions of use determine the type of personal protective equipment required. For further information consult your Occupational Health and Safety Advisor.

**ENGINEERING CONTROLS**

- No recommendation required.

---

**Section 9 - PHYSICAL AND CHEMICAL PROPERTIES**

---

**APPEARANCE**

Packets or booklets of small strips of absorbent paper impregnated with dyes which display a colouration governed by the pH of the solution in which they are immersed.

**PHYSICAL PROPERTIES**

Does not mix with water.

State	Manufactured	Molecular Weight	Not applicable
Melting Range (°C)	Not applicable	Boiling Range (°C)	Not applicable
Solubility in water (g/L)	Partly miscible	Flash Point (°C)	Not applicable
pH (1% solution)	Not available	Decomposition Temp (°C)	Not available
pH (as supplied)	Not applicable	Autoignition Temp (°C)	Not available
Vapour Pressure (kPa)	Not applicable	Upper Explosive Limit (%)	Not applicable
Specific Gravity (water=1)	Not available	Lower Explosive Limit (%)	Not applicable
Relative Vapour Density (air=1)	Not applicable	Volatile Component (%vol)	Not applicable
Evaporation Rate	Not applicable		

---

**Section 10 - CHEMICAL STABILITY AND REACTIVITY INFORMATION**

---

**CONDITIONS CONTRIBUTING TO INSTABILITY**

- Product is considered stable and hazardous polymerisation will not occur.  
*For incompatible materials - refer to Section 7 - Handling and Storage.*

---

**Section 11 - TOXICOLOGICAL INFORMATION**

---

**POTENTIAL HEALTH EFFECTS****ACUTE HEALTH EFFECTS**

# INDICATOR PAPERS PH 2.0-10.5 WIDE RANGE

GHS Safety Data Sheet

Version No:2.0

Page 5 of 6

## Section 11 - TOXICOLOGICAL INFORMATION

---

### SWALLOWED

- Considered an unlikely route of entry in commercial/industrial environments.

### EYE

- Not applicable.

### SKIN

- Not applicable.

### INHALED

- None identified.

### CHRONIC HEALTH EFFECTS

- No data of toxicological significance identified in literature search.

### TOXICITY AND IRRITATION

- No data of toxicological significance identified in literature search.

---

## Section 12 - ECOLOGICAL INFORMATION

---

No data

---

## Section 13 - DISPOSAL CONSIDERATIONS

---

- Recycle wherever possible or consult manufacturer for recycling options.
- Consult State Land Waste Management Authority for disposal.
- Recycle containers if possible, or dispose of in an authorised landfill.

---

## Section 14 - TRANSPORTATION INFORMATION

---

### HAZCHEM:

- None

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS: UN, IATA, IMDG

---

## Section 15 - REGULATORY INFORMATION

---

### REGULATIONS

No data for Indicator Papers Universal pH (CW: 32887)