



MATERIAL SAFETY DATA SHEET SDS/MSDS

Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME

INDICATOR PAPERS PH 3.5-6.0

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 precautions

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

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)