



MATERIAL SAFETY DATA SHEET SDS/MSDS

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name: : Litmus Red (pH Indicator) Solution
Product code : B-01565B

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Industrial/professional use spec : Industrial
For professional use only
Use of the substance/mixture : Laboratory Reagent

1.2.2. Uses advised against

No additional information available

1.3. Details of the manufacturer of the safety data sheet

Bio-Chem Chemicals
5455 Nicholson Road, Science Market
Ambala Cantt, 133001 - Haryana
+91 82952 41953
info@biofinechemical.com - www.biofinechemical.com

1.4. Emergency telephone number

Emergency number: +91 99921 51495 (10.00am - 06.30pm) (Office Hours)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labeling according to Directive 67/548/EEC or 1999/45/EC

S-phrases : S22 – Do not breathe dust

2.3. Other hazards

No additional information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product Identifier	%	Classification according to directive 67/548/EEC	Classification according to regulation (EC) No. 1272/2008 [CLP]
Water	(CAS-No.) 7732-18-5 (EC-No.) 231-791-2	75 – 99	Not classified	Not classified
Litmus Indicator	(CAS-No.) 1393-92-6	5 - 10	Not classified	Not classified
Acetic Acid	(CAS-No.) 64-19-7 (EC-No.) 200-580-7	0.01 – 1	C; R35 R10	Skin Corr. 1A, H314 Eye Dam. 1, H318 Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332

Full text of R- and H-statements: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

First – aid measures after inhalation :

Remove person to fresh air and keep comfortable for breathing.

First – aid measures after skin contact

Wash skin with plenty of water.

First – aid measures after eye contact

Remove contact lenses, If present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

First – aid measures after ingestion :

Rinse mouth out with water.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

- Suitable extinguishing media : Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂).
- Unsuitable extinguishing media : Do not use extinguishing media containing water.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Avoid contact with skin, eyes and clothing.

6.1.2. For emergency responders

- Protective equipment : Use personal protective equipment as required.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Clean up immediately by sweeping or vacuum.

6.4. Reference to other sections

No additional information available

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with skin and eyes.
- Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any compatibilities

- Storage conditions : Store in original container. Keep container tightly closed

7.3. Specific end use (s)

No additional information available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No additional information available

8.2. Exposure controls

Hand protection	:	Protective gloves
Eye protection	:	Chemical goggles or safety glasses
Skin and body protection	:	Wear suitable protective clothing
Respiratory protection	:	Wear respiratory protection

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	:	liquid
Color	:	red colored solution.
Odor	:	odorless
Odor threshold	:	No data available
pH	:	No data available
Relative evaporation rate (butyl acetate=1):	:	No data available
Melting Point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (Solid, gas)	:	No data available
Vapor pressure	:	No data available
Relative vapor density at 20	:	No data available
Relative density	:	No data available
Solubility	:	Water: Soluble in water.
Log pow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Explosive limits	:	No data available

9.2. Other information

No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No additional information available

10.2. Chemical Stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Direct sunlight

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

Acute toxicity	:	Not classified
Irritation	:	Not classified
Corrosivity	:	Not classified
Sensitization	:	Not classified
Repeated dose toxicity	:	Not classified
Carcinogenicity	:	Not classified
Mutagenicity	:	Not classified
Toxicity for reproduction	:	Not classified

SECTION 12: ECOLOGICAL INFORMATION**12.1. Toxicity**

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available



SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product/package disposal recommendations	: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
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SECTION 14: TRANSPORT INFORMATION

14.1. UN Number

ADR/RID: - IMDG: - IATA: -

14.2. UN proper shipping name

ADR/RID	:	Not dangerous goods
IMDG	:	Not dangerous goods
IATA	:	Not dangerous goods

14.3. Transport hazard class (es)

ADR/RID: - IMDG: - IATA: -

14.4. Packaging group

ADR/RID: - IMDG: - IATA: -

14.5. Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6. Special precautions for user

No data available

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Ensure all local, regional, national and/or international regulations are observed.

15.2 Chemical safety Assessment

For this product a chemical safety assessment was not carried out.