



**Bicarbonate Indicator Solution**  
**CAS No 4196-99-0**

**MATERIAL SAFETY DATA SHEET**  
**SDS/MSDS**

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifiers**

Product name : Bicarbonate Indicator Solution

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

Identified uses : Laboratory chemicals, Industrial & for professional use only.

**1.3 Details of the supplier of the safety data sheet**

Company : Central Drug House (P) Ltd  
7/28 Vardaan House  
Ansari Road Daryaganj  
New Delhi-110002  
INDIA

Telephone : +91 11 49404040  
Email : [care@cdhfinechemical.com](mailto:care@cdhfinechemical.com)

**1.4 Emergency telephone number**

Emergency Phone # : +91 11 49404040 (9:00am - 6:00 pm) [Office hours]

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

Not classified

**Adverse physicochemical, human health and environmental effects**

No additional information available

**2.2. Label elements**

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

No labelling applicable

**2.3. Other hazards**

No additional information available

### **SECTION 3: Composition/information on ingredients**

#### **3.1 Substances**

Not applicable

#### **3.2 Mixture**

<b>Name</b>	<b>Product identifier</b>	<b>%</b>	<b>Classification according to Regulation (EC) No. 1272/2008 [CLP]</b>
Water	(CAS No) 7732-18-5 (EC no) 231-791-2	95 - 99	Not classified
Ethanol	(CAS No) 64-17-5 (EC no) 200-578-6 (EC index no) 603-002-00-5	1 - 2	Flam. Liq. 3, H226 Skin Corr. 1A, H314
CRESOL RED INDICATOR AR	(CAS No) 1733-12-6	0.068	Eye Irrit. 2, H319 Skin Irrit. 2, H315 STOT SE 3, H335
Sodium bicarbonate	(CAS No) 144-55-8 (EC no) 205-633-8		Not classified

Full text of H-phrases: see section 16

### **SECTION 4: First aid measures**

#### **4.1 Description of first aid measures**

First-aid measures after inhalation : Assure fresh air breathing. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
First-aid measures after skin contact : Wash with plenty of soap and water.  
First-aid measures after eye contact : Rinse immediately with plenty of water.  
First-aid measures after ingestion : Rinse mouth.

#### **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: Firefighting measures**

#### **5.1 Extinguishing media**

Suitable extinguishing media : Carbon dioxide. Foam. Dry powder. Water spray.  
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 : Evacuate unnecessary personnel.

#### **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 materials for containment and cleaning up**

Methods for cleaning up : Collect spillage. On land, sweep or shovel into suitable containers.  
Soak up spills with inert solids, such as clay or diatomaceous earth  
as soon as possible.

### **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 incompatibilities**

Storage conditions : Store in a well-ventilated place. 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**

- a. Physical state : Liquid
- b. Colour : Wine red solution.
- c. Odour : No data available
- d. Odour threshold : No data available
- e. pH : No data available
- f. Relative evaporation rate (butylacetate=1) : No data available
- g. Melting point : No data available
- h. Freezing point : No data available
- i. Boiling point : No data available
- j. Flash point : No data available
- k. Auto-ignition temperature : No data available
- l. Decomposition temperature : No data available
- m. Flammability (solid, gas) : No data available
- n. Vapour pressure : No data available
- o. Relative vapour density at 20 °C : No data available
- p. Relative density : No data available
- q. Solubility : No data available
- r. Log Pow : No data available
- s. Viscosity, kinematic : No data available
- t. Viscosity, dynamic : No data available
- u. Explosive properties : No data available
- v. Oxidising properties : No data available
- w. Explosive limits : No data available

### **9.2 Other safety 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
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: 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**

No additional information available

## **SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

### **14.1 UN number**

UN-No. (ADR) : Not applicable  
UN-No. (IMDG) : Not applicable  
UN-No.(IATA) : Not applicable  
UN-No.(ADN) : Not applicable  
UN-No. (RID) : Not applicable

### **14.2 UN proper shipping name**

Proper Shipping Name (ADR) : Not applicable  
Proper Shipping Name (IMDG) : Not applicable  
Proper Shipping Name (IATA) : Not applicable  
Proper Shipping Name (ADN) : Not applicable  
Proper Shipping Name (RID) : Not applicable

### **14.3 Transport hazard class(es)**

**ADR**  
Transport hazard class(es) (ADR) : Not applicable  
**IMDG**  
Transport hazard class(es) (IMDG) : Not applicable  
**IATA**  
Transport hazard class(es) (IATA) : Not applicable  
**ADN**  
Transport hazard class(es) (ADN) : Not applicable  
**RID**  
Transport hazard class(es) (RID) : Not applicable

### **14.4 Packaging group**

Packing group (ADR) : Not applicable  
Packing group (IMDG) : Not applicable  
Packing group (IATA) : Not applicable  
Packing group (ADN) : Not applicable  
Packing group (RID) : Not applicable

### **14.5 Environmental hazards**

Dangerous for the environment : No  
Marine pollutant : No  
Other information : No supplementary information available

#### **14.6 Special precautions for user**

**- Overland transport**

Not applicable

**- Transport by sea**

Not applicable

**- Air transport**

Not applicable

**- Inland waterway transport**

Not applicable

**- Rail transport**

Not applicable

#### **14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

### **SECTION 15: Regulatory information**

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

##### **15.1.1. EU-Regulations**

Contains no substances with Annex XVII restrictions

Contains no REACH candidate substance

Contains no REACH Annex XIV substances.

##### **15.1.2 National regulations**

###### **Germany**

AwSV/VwVwS Annex reference : Water hazard class (WGK) 3, strongly hazardous to water  
(Classification according to AwSV, Annex 1)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

#### **15.2 Chemical safety assessment**

No additional information available

### **SECTION 16: Other information**

#### **Full text of H- and EUH-phrases:**

Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

#### **Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Central Drug House (P) Ltd and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.cdhfinechemical.com](http://www.cdhfinechemical.com) for additional terms and conditions of sale.