Name of the Product : 1-Butanol, For Molecular Biology  
Code No. : MB055

Section 1 : Chemical Identification  
Code No. : MB055  
Name of the Product : 1-Butanol, For Molecular Biology  
Produced by : HiMedia Laboratories Pvt Ltd.  
Address : 23,Vadhani Indl.Estate,LBS Marg,Mumbai-400 086,India.  
Tel.No. : 2500 0970,2500 1607 Fax No.022 25002468

Section 2 : 1-Butanol, For Molecular Biology  
Harmful Material

CAS No. : 71-36-3  
R : 10-22-37/38-41-67  
RTECS : EO1400000

Section 3 : Hazards Identification  
Hazard : Inhalation and ingestion of, or skin penetration by these substances is harmful to one's health.  
Non-recurring, recurring or lengthy exposure to these substances may result in irreversible damage.  
Caution : Avoid contact with the human body, including inhalation of the vapours and in cases of malaise consult a doctor.

Section 4 : First-Aid Measures  
In case of swallowing, wash out mouth with water provided person is conscious. In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. In case of inhalation, remove to fresh air. If breathing becomes difficult, call Physician. In case of contact with eyes, wash with copious amounts of water for at least 15 minutes. Assure adequate washing by separating the eye lids with fingers. In serious conditions, call a physician. Show the container or label.

Section 5 : Fire Fighting Measures  
Extinguishing Media: Water Spray.  
Carbon dioxide , dry chemical powder or appropriate foam. Special firefighting procedures. Wear self-contained breathing apparatus and protective clothing to prevent with skin and eyes.

Section 6 : Accidental Release Measures  
Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pick up is complete.

Section 7 : Handling and Storage  
Handling - Refer to section 8  
Storage - Store below 30°C

Section 8 : Exposure Controls/Personal Protection  
Wear appropriate NIOSH/MSHA-approved respirator, chemical-resistant gloves, safety goggles, other protective clothing. Mechanical exhaust required.
Section 9 : Physical and Chemical Properties
Appearance : Colourless clear liquid

Section 10 : Stability and Reactivity
Stability : Product is stable if stored as per the conditions specified under storage of Section No.7. Product loses its potency/performance above 45°C.
Conditions to avoid : Heat and light.
Hazardous polymerization will not occur.

Section 11 : Toxicological Information
Acute Effects : May be harmful if swallowed.
Exposure can cause : Stomach pains, vomiting, diarrhoea. Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.
RTECS No. : EO1400000
For complete information RTECS may be referred.

Section 12 : Ecological Information
Data not available

Section 13 : Disposal Considerations
On completion of work all used or unusable preparations of this product and derivatives thereof are to be disposed off by autoclaving and/or by incineration. Dispose off waste in accordance with all applicable Federal, state and local laws.

Section 14 : Transport Information
Overland (ADR)
UN 1120  Class 3
Packaging group 3
By Sea (IMDG)
UN 1120  Class 3
Packaging group 3
By Air (IATA)
UN 1120  Class 3
Packaging group 3

Section 15 : Regulatory Information
Risk Phrases : Flammable.
Risk Phrases : Harmful if swallowed.
Risk Phrases : Irritating to respiratory system and skin
Risk Phrases : Risk of serious damage to eyes.
Risk Phrases : Vapours may cause drowsiness and dizziness.
Safety Phrases : Keep away from food, drink and animal feedingstuffs.
Safety Phrases : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Safety Phrases : Wear suitable gloves and eye/face protection.
Safety Phrases : If swallowed, seek medical advice immediately and show this container or label.
Safety Phrases : Keep container tightly closed and in a well-ventilated place.

Hazard : Inhalation and ingestion of, or skin penetration by these substances is harmful to one's health.
Non-recurring, recurring or lengthy exposure to these substances may result in irreversible damage.
Caution : Avoid contact with the human body, including inhalation of the vapours and in cases of malaise consult a doctor.
Section 16 : Other Information
The information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. The information is offered solely for users’ obligation to investigate and determine the suitability of the information for their particular purpose.

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