

Name of the Product : **Germitol**  
 Code No. : **C0008**  
 Section 1 : **Chemical Identification**  
     Code No. : C0008  
     Name of the Product : Germitol  
     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 2500 2468

## Section 2 : Composition Ingredients

\*Benzalkonium chloride 20% w/v  
 \*Cetrimide 0.5%  
 \*Isopropyl alcohol 5%  
 \* Corrosive / Dangerous for Environment / Harmful / Flammable & Irritant material



Benzalkonium chloride  
 CAS No. : 68391-01-5  
 R : 21/22-34-50 S : 36/37/39-45-61



Cetrimide  
 CAS No. : 57-09-0  
 R : 22-37/38-41-50 S : 26-36-60-61  
 RTECS : BQ 7875000



Isopropyl alcohol  
 CAS No. : 67-63-0  
 R : 11-36-67 S : 7-16-24/25-26  
 RTECS : NT 8050000

## Section 3 : Hazards Identification



Hazard : Living tissue as well as equipment are destroyed on contact with these chemicals.  
 Caution : Do not breathe vapours and avoid contact with skin, eyes and clothing.



Hazard : Substances which are harmful to the aquatic (aquatic organisms, waters), as well as the non-aquatic environment (fauna, flora, atmosphere) or which have a detrimental effect at longer term.  
 Caution : Avoid release to the environment.



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.



Hazard : 1. Liquids with flash points below 0°C and a boiling point/initial boiling point of max. 35°C  
 Caution : Avoid all contact with all sources of ignition.  
 Hazard : 2. Gaseous substances which are flammable in contact with air at ambient temperature and pressure.  
 Caution : Avoid formation of flammable gas-air mixtures and keep away from sources of ignition.



Hazard : This symbol designates substances which may have an irritant effect on skin, eyes and respiratory organs.

Caution : Do not breathe vapours and avoid contact with skin and eyes.

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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 eyelids with fingers. In serious conditions, call a physician, show the container or label.

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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 contact with skin and eyes.

Unusual fire and explosion hazards. Emits toxic fumes under fire conditions.

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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 pickup is complete.

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Section 7 : **Handling and Storage**

Handling - Refer to Section 8

Storage - Store below 30°C

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Section 8 : **Exposure Controls / Personal Protection**

Wear appropriate NIOSH/MSHA-approved respirator, chemical-resistant gloves, safety goggles, other protective clothing. Mechanical exhaust required.

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Section 9 : **Physical and Chemical Properties**

Appearance : Clear liquid

Colour : Golden brown

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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.

Decomposition products : If product is decomposed toxic fumes of Carbon monoxide and Carbon dioxide may evolve. Hazardous polymerization will not occur.

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Section 11 : **Toxicological Information**

Acute Effects : May be harmful if swallowed.

Exposure can cause : Stomach pains, vomiting, diarrhoea. Severe inflammation of the colon. Appears to penetrate well into bone and central nervous system. Possesses neuromuscular blocking activity.

Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

Target organ(s) : G.I. system

RTECS No. : BQ 7875000 NT 8050000

For complete information RTECS may be referred

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Section 12 : **Ecological Information**

Data not available

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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**

UN No. : Not applicable.

Section 15 : **Regulatory Information**

Risk Phrases : Harmful in contact with skin and if swallowed

Risk Phrases : Causes burns

Risk Phrases : Very toxic to aquatic organisms

Risk Phrases : Harmful if swallowed

Risk Phrases : Irritating to respiratory system and skin

Risk Phrases : Risk of serious damage to eyes

Risk Phrases : Highly flammable

Risk Phrases : Irritating to eyes

Risk Phrases : Vapours may cause drowsiness and dizziness

Safety Phrases : Wear suitable protective clothing, gloves and eye/face protection

Safety Phrases : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

Safety Phrases : Avoid release to the environment. Refer special instructions/Safety Data sheets

Safety Phrases : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

Safety Phrases : Wear suitable protective clothing

Safety Phrases : This material and its container must be disposed of as hazardous waste

Safety Phrases : Keep container tightly closed

Safety Phrases : Keep away from sources of ignition - No smoking

Safety Phrases : Avoid contact with skin and eyes



Significance of signs : Living tissue as well as equipment are destroyed on contact with these chemicals.



Significance of signs : Substances which are harmful to the aquatic (aquatic organisms, waters), as well as the non-aquatic environment (fauna, flora, atmosphere) or which have a detrimental effect at longer term.



Significance of signs : 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.



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Significance of signs : This symbol designates substances which may have an irritant effect on skin, eyes and respiratory organs.

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.

