

MATERIAL SAFETY DATA SHEET

PRODUCT: AMERUB	Version No.: AMEAQ/2022-23/051
SHELF LIFE: 24 MONTHS.	PACK SIZE: 500ML & 5 LTS.

1. Product and Company Identification:

Trade name: AMERUB
(2% Chlorhexidine digluconate solution)

Product Use: Antiseptic/Antimicrobial. For External Use Only. For Professional and Hospital Use Only.

Manufacturer identification: Ameya, Saif Zone-Sharjah, UAE.

2. Composition:

S. No	Ingredient Name	Percentage
01	Chlorhexidine Digluconate	2%
02	Iso propyl alcohol	70%
03	Aqueous base	QS to 100%

3. Hazards Identification:

Critical Hazards: F lammable.

Hazard Statements: Harmful by inhalation, in contact with skin and if swallowed.

Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

4. First Aid Measures:

GENERAL INFORMATION:

CAUTION! First aid personnel must be aware of own risk during rescue! Remove affected person from source of contamination. NOTE! Keep affected person away from heat, sparks and flames! Keep affected person warm and at rest. Get prompt medical attention.

ROUTE	COMMON SYMPTOMS	FIRST AID
Inhalation	Irritation of nose, throat and airway. Vapours may cause headache, fatigue, dizziness and nausea. In high concentrations, vapours are anaesthetic and may cause headache, fatigue, dizziness and central nervous system effects. In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death.	Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep the affected person warm and at rest. Get prompt medical attention.
Ingestion	May cause stomach pain or vomiting. Drowsiness, dizziness, disorientation, vertigo.	Get medical attention immediately! Immediately rinse mouth and drink plenty of

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	Ingestion of large amounts may cause unconsciousness.	water. Call an ambulance. Bring along these instructions. Do not induce vomiting. If vomiting occurs, the head should be kept low so that the stomach vomit doesn't enter the lungs.
Skin	Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping. This substance is rapidly absorbed through the skin and may cause symptoms similar to those of ingestion.	Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if any discomfort continues.
Eyes	May cause severe irritation to eyes. May cause blurred vision and serious eye damage.	Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5. Fire Fighting Measures:

Flammable Properties: Highly flammable.

EXTINGUISHING MEDIA

Use: Water spray, fog or mist. Alcohol resistant foam. Carbon Dioxide (CO₂). Dry powder, dry chemicals, sand, dolomite etc.

PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. Accidental Release Measures:

Personal Precautions: Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

Initial Containment Prevent material from entering sewers, waterways, or low areas. Use dikes to contain spilled material and retain for later disposal.

Small Spill: Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Large Spill: Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed.

Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

Dispose of all solid waste and wash and rinse with water in accordance with federal, state, and local regulations.

Do not allow material to enter confined spaces such as sewers because of explosion risk. Ventilate residual vapour or fumes.

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7. Handling and Storage:

Handling (Personnel):

Do not get in eyes, on skin, or on clothing. Do not taste. Wash thoroughly after handling. Wash contaminated clothing after use. Use only with adequate ventilation.

Wash hands and contaminated areas with water and soap before leaving the work site. Avoid eating, drinking and smoking when using the product.

Handling (Physical Aspects): Close container after each use.

Storage: Store in airtight container. Keep container closed when not in use. Close the containers immediately after use. Store at below 30°C. Keep away from contact with oxidizing materials.

8. Exposure Controls/Personal Protection:

Engineering Controls Handle material under adequate ventilation. Keep container tightly closed when not in use.

Personal Protective Equipment: Wear safety glasses with side shields. Wear full-face protection when judged that the possibility exists for eye and face contact. Wear Hand protection when handling the material.

HYGIENE MEASURES:

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

9. Physical and Chemical Properties:

Odor: alcoholic Odor.

Form: clear liquid.

Color: colorless

Solubility: miscible with water.

Specific Gravity (water=1): 0.877-0.880



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10. Stability and Reactivity:

Conditions to Avoid: Avoid heat, flames and other sources of ignition. Avoid exposing heat and contact with strong oxidizing substances. Avoid contact with acids

Materials to Avoid: Strong acids; Strong oxidizing agents; Avoid alkali metals (e.g., sodium);

Decomposition: It will not decompose under conditions of usual handling.

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours

Stability and Reactivity: Chemical Stability, Low stability hazard expected at normal operating temperatures, Hazardous polymerization will not occur.

11. Toxicological Information:

HEALTH WARNINGS:

Gas or vapour is harmful on prolonged exposure or in high concentrations. Irritant of eyes and mucous membranes. Toxic through skin absorption (percutaneous). Narcotic effect. Known or suspected teratogen. CNS depressant. Repeated exposure may cause chronic eye irritation. High concentrations may cause severe lung damage. Defatting, drying and cracking of skin. Swallowing concentrated chemical may cause severe internal injury. Unconsciousness, death.

ROUTE OF ENTRY: Inhalation. Ingestion. Skin and/or eye contact.

TARGET ORGANS: Central nervous system. Eyes. Gastro-intestinal tract. Liver. Respiratory system, lungs. Skin.

MEDICAL SYMPTOMS: Irritation of eyes and mucous membranes. Dilated pupils. Rhinitis (inflammation of the nasal mucous membranes). Upper respiratory irritation. General respiratory distress, unproductive cough. May cause suffocation. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Headache. Behavioural changes. Hypotension (low blood pressure). Dizziness. Confusion, agitation and/or excitation.

MEDICAL CONSIDERATIONS: Convulsive disorders, CNS problems.

12. Ecological Information:

Ecotoxicological Information: The product components are not classified as environmentally hazardous.

However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Degradability: The product is easily biodegradable. Oxidizes rapidly by photochemical reactions in air.

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13. Disposal Considerations:

Do not discharge into drains or the environment, deposit to an authorized waste collection point.
Disposal should be in accordance with local, state or national legislation.

14. Transport Information:

UN NO. (ADR/RID/ADN): 1219

Class (ADR/RID/ADN): 3 - Flammable Liquids

Packing group (ADR/RID/ADN): II - Medium Danger

Special Provisions for Transport: Not available.

UN Proper Shipping Name: Isopropanol, solution (Isopropyl alcohol)

DG Class & Subsidiary Risk: 3; none allocated

Packing Group: II

Emergency Action Code: 2YE

15. Regulatory Information:

Hazard symbols: Highly flammable.

Risk phrases: R11: Highly flammable.

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed. Safety phrases: S9: Keep container in a well-ventilated place.

S16: Keep away from sources of ignition - No smoking.

S36/37: Wear suitable protective clothing and gloves.

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Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.



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16. Other Information:

Revision date: 01/22

Additional Information:

R11: Highly flammable.

R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

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