



# Material Safety Data Sheet

## 1. Product and Company Information

Trade name : Dr. Disinfectant (Hand Cleansing Liquid CHG 4%)

Address : Saudi Mais co. for medical products

P.O. Box: 3900 – Riyadh 14335 – 7599 – Saudi Arabia Tel. : +966 11  
2650184 Fax : 2650139 3<sup>rd</sup> Industrial Area, Al-kharj Road, Street No. 256

Date of Issue : October. 2017

## 2. Composition/Information on Ingredients

Chemical name : Water-based solution of surfactants and Chlorhexidine Digluconate (4%)  
Product type : Topical Antiseptic Solution (Disinfectant)  
Application : Hand Scrub (Disinfectant)

Chemical Name	% by Weight	ACGIH TLV/OSHA PEL/Others
Chlorhexidine Gluconate	4.0%	Not Established

## 3. Hazards Identification

If used as directed there is no particular danger

Eyes : this product is not a significant eye hazard.  
skin : May cause irritation in hypersensitive individuals. Avoid contact with meniges.  
Inhalation : Overexposure may cause headache, fatigue, dizziness, loss of coordination and unconsciousness. Vapor has anesthetic properties.  
Ingestion : Harmful if swallowed.

## 4. First Aid Measures

Seek medical attention for all cases of overexposure

Eyes : Flush thoroughly with water for at least 15 minutes. Seek medical attention.  
Ears : Flush with water, repeating several times. Seek medical attention.



- Skin : Rinse skin immediately with plenty of water. Seek medical attention.
- Ingestion : Wash out mouth with water. Treat with gastric lavage using milk, egg white. Seek medical attention.
- Inhalation : Remove patient from exposure. Keep warm and at rest. Seek medical attention if ill effects occur.

## 5. Fire Fighting Measures

- Flash Point (Test Method) : Not available
- Flammability Limits (% in air) : Lower: % Not Available  
upper: % Not Available
- Auto-Ignition temperature : Not Available
- Flammability : Not Flammable
- Extinguishing Media : Fog or Water Spray, Foam, Carbon Dioxide, Class A, BC, or ABC Fire Extinguishers.
- Hazardous combustion products : Nitrous Oxide and Ammoniacal Vapors
- Firefighting Instructions: : As in any fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.
- Unusual Fire and Explosion Hazards : emits toxic fumes under fire conditions.

## 6. Accidental Release Measures

In Case of Spill or Leak

Wear appropriate protective equipment during cleanup. Ventilate closed spaces before entering. Do not touch or walk through spilled material. Absorb spilled materials with suitable absorbent. Transfer to container in accordance with regulatory requirements. Mop area clean.

## 7. Handling and Storage

- Storage : The product should be stored in its original container, in a secure, dry, well-ventilated area. Avoid Excessive heat. Keep container tightly closed.
- Handling : External use only. Avoid contact with eyes, ears and mouth.



## 8. Exposure Controls and Personal Protection

Eye/Face Protection	:	Not suitable for normal use. Wear safety goggles of a full-face shield for clean up or if splashing is possible.
Skin protection	:	Not required for normal use. Wear impervious gloves and apron for spill cleanup.
Respiratory Protection	:	Not required for normal use. Use NIOSH-approved respirator for organic vapors, if necessary.
Hand protection	:	Not necessary
Ventilation	:	Well aired, cool rooms

## 9. Physical and Chemical Properties

Appearance	:	Clear liquid
Color	:	Red/Orange
Smell	:	Pleasant Lemon
pH-factor, (1%) @ 25°C	:	5.0 – 6.0
Boiling point/range	:	Not Available
Melting point/range	:	Not Available
Vapor pressure	:	Not Established
Percent Volatile	:	Not Established
Evaporation Rate	:	not established
Specific gravity, 20/20	:	1.010 – 1.020
solubility in water	:	Soluble
solubility in ethanol	:	Soluble
Viscosity, 20°C	:	mPa. s = cP
refractive index, %Brix @ 25°C	:	23.5 – 25.5
Conductivity, $\mu$ S/cm @ 25°C	:	130 - 19x

## 10. Stability and Reactivity

Stability	:	Stable under normal use and storage conditions.
	:	Will not occur.
Hazardous Polymerization Conditions to Avoid	:	Excessive heat will release formaldehyde vapors and/or nitrogen oxides.
Materials to Avoid	:	Incompatible with anionic compounds, strong oxidizing agents, strong alkalis and strong mineral acids.
	:	Nitrous Oxides and Ammoniacal Vapors
Hazardous Decomposition Products	:	



## 11. Toxicological information

Chlorhexidine Gluconate:

LD 50, oral, mouse : 1,260 mg/Kg  
LD 50, oral, rat : 2x/Kg

NO significant human data is available for this material.

## 12. Ecological information

Ecotoxicity : not Ecotoxic  
Environmental Fate : Not Available

## 13. Disposal Considerations

According to the federal state or local regulations.

## 14. Transport Information

Proper Shipping Name : Deodorant or Disinfectant,  
NOI (NMFC 57100, SUB 3; CLASS: 60)  
UN-No. : Not Applicable  
Hazard Class : Not applicable  
Packing Group : Not Applicable  
Label : Not Applicable  
Special Instructions : Not Applicable  
IMDG Classification : Not Regulated

## 15. Regulatory Information

Label : Dr. Disinfectant  
Ref. No. : MS-1100 L

## 16. Other Information

The above information is given to the best of our knowledge and belief. The data is partially taken from the literature (different sources). For further information

Contact: Saudi Mais co. for medical products  
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