

MATERIAL SAFETY DATA SHEET

Chlorhexidine Gluconate 0.05% MSDS

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Details

Product Name : Chlorhexidine Gluconate 0.05% in 25ml sachet
Trade Name : UniRINS CG
Chemical Name : Not applicable
Chemical Formula : Not applicable
Chemical Family : Inorganic chemical
Cas# : Mixture

1.2 Company Identification

Manufacturer's Name and Address : AIN MEDICARE SDN. BHD
Jalan 6/44,
Kawasan Perindustrian Pengkalan Chepa 2,
16100 Kota Bharu,
Kelantan

Telephone Number : 09-7743388 / 7741239

1.3 Contact Point

Designation : Chemist
Tel. No : 09-7743388 / 7741239

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENT

Chemical Name	CAS. No	Proportion	Exposure Limit	Toxicity Data
Chlorhexidine Gluconate	18472-51-0	0.05%	None	No R/S phrases
Water	7732-18-5	q.s.	None	No R/S phrases

Note: R/S phrases = Risk and Safety phrases

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SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Clear and red solution
Odour	:	Odourless
pH	:	5.00 – 6.50
Boiling point	:	Lowest known value is 100°C (water)
Solubility	:	Easily soluble in the following materials: cold water and hot water

SECTION 4: HAZARD IDENTIFICATION

Potential Acute Health Effects:

Inhalation	:	May cause nose and throat irritation
Ingestion	:	Single dose is harmless by ingestion
Skin	:	May cause skin irritation
Eyes	:	May cause serious or/and permanent eye injury when permitted to enter the eye during surgery

Potential Chronic Health Effects:

Chronic effects	:	Contains material that may cause target organ damage, based on animal data
Target organs	:	The substance is toxic to lungs, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage.

SECTION 5: FIRST AID MEASURES

Eye contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.

Skin contact:

In case of contact, immediately flush skin with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

Inhalation:

If inhaled, remove to fresh air.

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Ingestion:

Do not induce vomiting. Drink water. Consult medical personnel immediately

SECTION 6: FIRE FIGHTING MEASURES

Fire: Not considered to be a fire hazard.

Explosion: Not considered to be an explosion hazard.

Fire extinguishing media:

Carbon Dioxide, Water, Foam, dry chemical.

Fire fighting instructions:

In the event of a fire, wear full protective clothing and appropriate self-contained breathing apparatus.

SECTION 7: ACCIDENTAL RELEASE MEASURE

Small spill:

Dilute with water and absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose off according to local and regional authority requirements.

Large spill:

Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

SECTION 8: HANDLING AND STORAGE

Precautions for safe handling:

Handle with care.

Conditions for safe storage, including any incompatibilities

Store at a temperature below 30°C. Protect from light. Avoid high heat (>40°C) for along period of time.

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SECTION 9: EXPOSURE CONTROL AND PERSONAL PROTECTION

Engineering controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value.

Personal protection: Safety glasses. Gloves. Lab coat.

Personal protection in case of a large spill:

Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

SECTION 10: STABILITY AND REACTIVITY

Reactivity

The product is stable

Chemical stability

The product is stable

Possibility of hazardous reactions

No data available

Conditions to avoid

Contact with strong oxidizing agents.

Incompatible materials

Strong oxidizing agents

Hazardous decomposition products

All from combustion: Carbon Dioxide, Nitrogen Oxides, Ammonia, Hydrogen Chloride and small amount of *p*-chloroaniline

SECTION 11: TOXICOLOGY INFORMATION

Acute toxicity

Intravenous LD₅₀ – rat : 24.2 mg/kg

Intravenous LD₅₀ – mouse : 12.9 mg/kg

Oral LD₅₀ – rat : 2000 mg/kg

Oral LD₅₀ – mouse : 1260 mg/kg

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Subcutaneous LD₅₀ – rat : 3320 mg/kg

Subcutaneous LD₅₀ – mouse : 1140 mg/kg

Routes of entry

Eye contact. Inhalation. Ingestion.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

No data available

SECTION 13: DISPOSAL INFORMATION

Waste treatment methods:

Dispose of waste in respect with all regulatory agencies and laws.

SECTION 14: TRANSPORT INFORMATION

Shipping Information:

This material is non-hazardous under US DOT

SECTION 15: OTHER REGULATORY INFORMATION

Not applicable

Safety, health and environmental regulations / legislation specific for the substance or mixture: No data available

Chemical safety assessment: No data available

SECTION 16: OTHER INFORMATION

References:

Omega MSDS

Sciencelab MSDS

Purdue Products L.P. MSDS