

**MATERIAL SAFETY DATA SHEET****SUPPLIER:**LABORATOIRE ATLAS INC.
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N.D.: NO DATA AVAILABLE N.A.: NOT APPLICABLE

SECTION 1 – PRODUCT IDENTIFICATION

COMMERCIAL NAME: DEXIDIN 2% Solution with 4% Isopropyl Alcohol
CHEMICAL NAME: 2% Chlorhexidine gluconate and 4% Isopropyl alcohol aqueous solution
CHEMICAL FORMULA: 1,6-Di-(N-p-Chlorophenyl diguanide) hexane digluconate
(C₂₂H₃₀Cl₂N₁₀•2C₆H₁₂O₇) & IPA (C₂H₆O)
CHEMICAL FAMILY: Organic, cationic.
CODE: C139
PRODUCT USE: Antiseptic for skin disinfection. Bactericidal to most vegetative gram-positive and gram-negative bacteria. Effective against most yeast and moulds.
WHMIS CLASSIFICATION: N.A. pharmaceutical are not regulated
TDG CLASSIFICATION: N.A.

SECTION 2 – INGREDIENTS**CONTROLLED INGREDIENTS (Over 1% (w/w)):**

CHLORHEXIDE GLIUCONATE	CAS: 18472-51-0	2%	LD ₅₀ (MOUSE-ORAL)=1800 mg/Kg
ISOPROPYL ALCOHOL	CAS: 67-63-0	4%	LD ₅₀ (RAT-ORAL)= 5800 mg/Kg

SECTION 3 - PHYSICAL CHARACTERISTICS

PHYSICAL STATE, ODOR & APPEARANCE: Clear reddish liquid with a mild IPA odour.
THRESHOLD ODOUR: N.D.
BOILING POINT: Around 100°C
pH AT 25°C: 5.5 - 7.5
SPECIFIC GRAVITY AT 20°C. (water=1): 0.998
VAPOUR PRESSURE mmHg AT 20°C: N.D.
VAPOUR DENSITY (air=1): N.D.
WATER SOLUBILITY: Complete water solubility
FREEZING POINT: N.D.
EVAPORATION RATE: N.D.
PARTITION COEFFICIENT (WATER/OIL): N.D. miscible with water.
FLASH POINT: N.A.
AUTOIGNITION TEMPERATURE: N.A.

SECTION 4 - REACTIVITY

STABILITY: Chemically stable under normal conditions.
CONDITIONS TO AVOID: Avoid exposure to heat.
INCOMPATIBILITE: Incompatible with strong acids & alkalis and with oxidizing & reducing agents.
HAZARDOUS DECOMPOSITION: N.A.
HAZARDOUS POLYMERISATION: None.



**CHLORHEXIDENE GLUCONATE 2% SOLUTION
C139**

SECTION 5 - FIRE AND EXPLOSION HAZARD

FLAMMABILITY: Non-flammable liquids.

SPECIAL FIRE HAZARDS: N.A.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide and carbon dioxide can be produced.

FIRE FIGHTING MEDIA: Use water, carbon dioxide or chemical powders for small fires. For larger amounts (multiple packages / pallets) of product: Since toxic, corrosive or flammable vapours might be evolved from fires involving this product and associated packaging, self contained breathing apparatus and full protective equipments are recommended for firefighters. If possible, contain and collect firefighting water for later disposal.

SECTION 6 - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE:

EYES: Contacts with the eyes and mucosa can cause irritation, redness and pain.

SKIN: In normal use, does not cause irritation. However, sensitive individuals may develop minor skin irritation.

INHALATION: N.A.

INGESTION: Chlorhexidine Gluconate has a relatively low LD50 value since it is poorly absorbed by the intestine. It is rather eliminated in the faeces. The Isopropyl Alcohol is however more harmful if ingested. It may: irritate the gastro-intestinal track, affect the nervous system, liver and kidneys. May cause nausea, headache and alter vision.

EFFECTS OF CHRONIC EXPOSURE:

Prolonged and repeated exposure by application on the skin may cause a chronic skin irritation.

SECTION 7 - PREVENTATIVE MEASURES

AS NEEDED, APPLY THE APPROPRIATE MEASURES ACCORDING TO THE AMPLITUDE OF EXPOSURE.

SKIN: N.A.

EYES: Avoid any contact with the eyes.

RESPIRATORY TRACT: N.A.

OTHER PROTECTIVE EQUIPMENTS: N.A.

VENTILATION: N/A.

IN CASE OF SPILL OR LEAK: Absorb spills with a neutral absorbing material. Rinse with water.

WASTE DISPOSAL: As dictated by the federal, provincial and municipal, rules.

STORAGE REQUIREMENTS: Keep bottle tightly closed and store at room temperature. Avoid exposure to temperatures above 25°C.

SECTION 8 – FIRST AID MEASURES

EYES: Flush eyes immediately with large volumes of water for 15 minutes. Consult a physician.

SKIN: In case of accidental contact with skin, wash with soap and rinse with water. If irritation appears, it will probably disappear if not, cease using and consult a physician.

INHALATION: N.A.

INGESTION: Do not induce vomiting. In case of non-induced vomiting, lean victim forward to prevent any risk of asphyxia and give water. Never give any liquid to an unconscious person. Get medical attention.

SECTION 9 - OTHER INFORMATION

REVISED IN: September 15, 2014

REPLACE VERSION OF: January 14, 2014

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