



Material Safety Data Sheet

Date: 31/03/2017

MSDS 026

Section 1. Chemical Product and Company Identification

Product Name/Trade Name	Germ X	
Product Use:	Hand Disinfectant	
Chemical Formula	N/A	
Manufacturer/Supplier	Sanichem(PTY) Ltd 141 Rochdale Road Springfield Park Durban 4091	Emergency Telephone No +27 31 579 3222

Section 2. Composition and information

0.5% Chlorhexidine Gluconate in 70% Alcohol
Water and other inert ingredients

Section 3. Hazards Identification

Emergency Overview	
Colour	Green
Physical State	Liquid
Odour	Alcohol
Hazards of product:	May cause eye irritation. May cause a slipping hazard when spilled.
FOR EXTERNAL USE ONLY	
Potential Health Effects Eye Contact:	May cause slight eye irritation..
Skin Absorption:	Prolonged skin contact is unlikely to result in absorption of harmful amounts.
Inhalation:	Prolonged exposure is not expected to cause adverse effects.
Ingestion:	Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury.
Effects of Repeated Exposure:	None known

Section 4. First-aid Measures

Eye Contact:	Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.
Inhalation:	Move person to fresh air; if effects occur, consult a physician.
Ingestion:	If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel. Notes to Physician: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

Section 5. Fire Fighting Measures

Extinguishing Media:	Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam. Alcohol resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective.
Fire Fighting Procedures:	Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of re-ignition has passed. Move container from fire area if this is possible without hazard. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage. Avoid accumulation of water.
Special Protective Equipment for Fire fighters:	Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

Section 6. Accidental Release Measures

Steps to be Taken if Product is Released or Spilled:	Small spills: Absorb with materials such as: Sand. Vermiculite. Collect in suitable and properly labelled containers. Large spills: Contain spilled material if possible. Pump into suitable and properly labelled containers. See Section 13, Disposal Considerations, for additional information.
Personal Precautions:	Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.
Environmental Precautions:	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

Section 7. Handling and Storage

Handling General Handling:	Avoid contact with eyes. See Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION.
Storage Recommendation	Store below 32°C and keep away from direct sunlight.
Shelf life:	24 Months

Section 8. Exposure Controls / Personal Protection

Exposure Limits	None known.
Respiratory Protection:	Wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. For most conditions no respiratory protection should be needed; however, if discomfort is experienced, use an approved air-purifying respirator. The following should be effective types of air-purifying respirators: Organic vapour cartridge.
Ingestion:	Use good personal hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating.
Engineering Controls Ventilation:	General ventilation should be sufficient for most operations.

Section 9. Physical and Chemical Properties

Physical State :	Liquid
Colour :	Colourless
Odour :	Alcohol
Flash Point - Closed Cup	>200. Test Method SW1010 A
Freezing Point	(0°C)
Ph :	9.5 +/-0.5

Section 10. Stability and Reactivity

Stability/Instability	Stable under recommended storage conditions. See Storage, Section 7.
Incompatible Materials:	Avoid contact with: Strong acids. Strong bases. Strong oxidizers.
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information

Fish Toxicity	LC50, Pimephales promelas, 96 hour: 156 ppm
Aquatic Invertebrate Toxicity	LC50, Daphnia pulex, 48 hour: 340 ppm

Section 12. Ecological Information

CHEMICAL FATE	
Persistence and Degradability Biodegradation Tests:	Fully biodegradable in accordance with ISO 9439.

Section 13. Disposal Considerations

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. SANICHEM (PTY) LTD HAS NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Incinerator or other thermal destruction device.

Section 14. Transport Information

DOT Non-Bulk NOT REGULATED DOT Bulk NOT REGULATED IMDG NOT REGULATED ICAO/IATA NOT REGULATED *This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.*

Section 15. Regulatory Information

OSHA Hazard Communication Standard	This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
Health Hazard	Yes
Delayed (Chronic) Health Hazard	No
Fire Hazard No Reactive Hazard	No
Sudden Release of Pressure Hazard	No

Section 16. Other Information

Product Literature	Additional information on this product may be obtained by calling your sales or customer service contact.
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DISCLAIMER

SaniChem (Pty) Ltd urges each customer or recipient of this MSDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this MSDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that its activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific MSDSs, we are not and cannot be responsible for MSDSs obtained from any source other than ourselves. If you have obtained an MSDS from another source or if you are not sure that the MSDS you have is current, please contact us for the most current version.