

MATERIAL SAFETY DATA SHEET

Company Details

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1. Product Name

Trade / Commercial Name : SanGuard Sanitizer Cleaner
Synonyms : Hard Surface Disinfectant
Chemical Family : N/A

2. Composition

Chemical Name (Active Ingredient) : 2% Glutaral t/a GK10 Biocide
Routes of entry : Inhalation x Skin/Eye x Ingestion

Note: There is no sulphonic acid, CDE or other type ethanalamines in this formulation. There are no nitrosamine forming ingredients in this product.

3. Hazards Identification

Emergency overview : Keep out of reach of children

SanGuard Sanitizer Cleaner contains no ingredients listed as carcinogens or potential carcinogen by the National Toxicology Program (NTP), International Agency on Cancer (IARC) or OSHA, and present at a concentration greater than 0.1%:

OSHA PEL : 0.2 ppm1
ACGIH TLV : 0.05 ppm

The OSHA Permissible Exposure Level (PEL) for glutaraldehyde was invalidated in 1992 by court order. However, the PEL may remain valid in some OSHA approved state plans, and also can be enforced by federal OSHA under the General Duty Clause.

4. First Aid Measures

Eye: Irritant burns, wash with running water holding eyelid(s) open. If symptoms persist seek medical help.

Skin: If irritation develops and persists, wash gently and thoroughly with running water, seek medical attention.

Ingestion: Drink milk. Seek medical attention.

Inhalation: None required. However, if breathing is affected, remove the source of contamination or move the victim to fresh air. If symptoms develop seek medical attention.

5. Fire Fighting Measures

Extinguishing Media : Carbon dioxide, foam, dry chemical.

Protective Clothing : Wear protective clothing

Special Hazards : None

All info is given in good faith but without guarantee in respect of accuracy & no responsibility is accepted for errors or omissions or the consequences thereof.

6. Accidental Release Measures

- * Steps to be taken if material is released or spilled: Wear suitable protective equipment, including nitrile (not PVC) gloves. For small spills of 5 litres or less, gather up a bucket of water and a sponge or mop. Mop or sponge the water into the spill until thoroughly combined. Wipe or mop up resulting spill area a final wipe or mop with fresh water. Re-rinse all equipment, and allow spill area to dry. For large spills of more than 5 litres, remove people from immediate spill area as it will be very slippery, and isolate until cleaned up. Contain spill with absorbent material, i.e. towels. With a sponge type mop pick up as much of the spillage as possible. Discard the waste containers into a bin according to your facility's waste disposal guidelines. OR wash the area down with plenty of water to drain or sewer using a hose pipe. Then Mop the spill area with fresh water. Rinse out all equipment (bucket, mop, and towel) with large amount of water. If paper towels were used, dispose of in a tightly closed trash bag. Let spill area dry before allowing people traffic to ensure no one can slip on the floor.
- * Waste disposal method: Disposal of SanGuard Sanitizer Cleaner may be accomplished by pouring solution down the drain in accordance with state and local regulations. Flush with a large quantity of water. Rinse thoroughly with water and dispose of the container in the trash bin.
- * Precautions to be taken in handling and storing: SanGuard Sanitizer Cleaner should be stored in its original sealed container at room temperature (15°C to 30°C).
- * Precautionary labelling: Avoid eye contact with the undiluted product. It will sting the eyes, like any type of soap.

7. Handling & Storage

Eye Protection: Safety glasses for handling of solutions greater than 3% active Gk10 Biocide. An eyewash should be available for emergency situations.

Ventilation: None required, however ensure that there is plenty of fresh air coming into the production area.

Skin Protection: Nitrile gloves should be worn when working with concentrations of 5% active GK10. Use normal latex gloves for solutions of less than 3%. Rubber boots may be needed to contain large spills.

Respiratory Protection: None required

Suitable Material: Plastic containers

Handling Storage Precessions: Keep in a cool place. Keep lid closed.

8. Exposure Controls / Personal Protection

Route of Entry: Ingestion, inhalation, skin and eyes

Ingestion for solution containing 5% of SanGuard Sanitizer Cleaner solution or higher:

May cause irritation and possibly a stinging feeling in the mouth, throat, stomach and esophagus. May produce discomfort in the mouth, throat, chest and abdomen, nausea, vomiting, diarrhea, thirst and weakness. No problems with solutions of less than 0.5% active GK10 Biocide.

Eyes: Avoid eye contact with solutions greater than 0.5% active GK10 Biocide . Solution contact of less than 0.5% active GK10 Biocide may cause no more damage than getting any concentrated soap in one's eye.

Skin: Not skin irritant. Avoid contact on existing dermatitis. Solutions of greater than 2% may cause skin to discolour brownish. The discolouration will be removed by five times washing over a two day period. No skin discolouration observed with contact of solutions less than 0.5% active GK10 Biocide.

Inhalation: None

9. Physical & Chemical Properties

Appearance	: Clear
Odour	: Non fragranced
pH	: 5 - 7.8
Boiling Point	: 100°C
Evaporation rate	: Not applicable
Freezing Point	: 0°C / 32°F
Percent Volatile by Vol.	: Not detectable at normal usage dilution
Vapour Pressure	: Nil
Molecular Weight	: Mixture of various chemicals
Vapor density	: 1.1 (air=1)
Solubility	: Water (Completely)
Neurotoxicity	: Nil

10. Stability & Reactivity

Chemical Stability: Stable under normal ambient temperatures

Conditions and materials to Avoid: Enzyme cleaners, Ammonia, Amine containing products.

Hazardous Decomposition Products: Thermal decomposition may produce toxic oxides of carbon.

Hazardous Polymerization: Will not occur at temperature between -4°C and +40°C

11. Toxicological Information

Acute oral toxicity	: Toxic at 5% active GK10, non-toxic at less than 0.5% active Gk10
Acute toxicity dermal	: None
Acute toxicity inhalation	: None
Eye irritation	: Avoid eye contact with solutions of greater than 0.5% active GK10. Stings the eye, but will cause no long lasting impairment. Do not use on contact lenses.
Skin Irritation	: >2% GK10 will discolour skin a brownish colour, which will disappear after five washing over two days. No discolouration nor irritation will be experienced with solutions of less than 0.3% active GK10, for normal skin.
Skin Sensitization	: None

12. Ecological Information

Biodegradability: All the ingredients of this product are biodegradable by greater than 90%. Resulting broken down elements of the product are carbon dioxide and water.

Aquatic Toxicity:	Fish:	Assumed non toxic
Aquatic Toxicity:	Daphnia:	Assumed non toxic
Aquatic Toxicity:	Algae:	Assumed non toxic
Biodegradability:	Yes	
Bio-accumulations:	Nil	

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13 Disposal Considerations

Dispose of waste according to local regulations.
Disposal of packaging: No special precautions

14. Transport Information

Product is not classified for any mode of transport.

15. Regulatory Information

EC classification	: Non-flammable
EC risk phrase	: None
EC safety phrase	: None
Contains	: Water, surfactants, biocide

16. Other Information

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