



SOLGIENE

ECO-FRIENDLY HEALTH SOLUTIONS

MATERIAL SAFETY DATA SHEET

Solgiene Waterless Hand Gel

An anti-microbial hand and skin sanitizer

COMPANY DETAILS

Manufactured under license for: Noble Techniques Ltd
Address: 106 Datonia street
Bellaire
Texas
77401
E-mail Address: info@nobletechniques.com
Manufacturer: TM Chemicals

1. PRODUCT NAME:

Trade Name: Solgiene Waterless Hand Gel
Product code: SOL101
Product Type/General Information: Disinfectant skin detergent
Registration Number: EN tested 1276. 1650, 14476 & ISO13485:2016 medical device, MCC class AH,BH,CH. This antiseptic sanitizer has proven testing to be anti-bacterial, anti-fungal and anti-viral skin cleanser.

2. COMPOSITION:

Solgiene waterless hand gel contains the following ingredients

Glutaral C11-C15 Pareth 9(active ingredient)	CAS# -	0.3%
Glycerol	CAS# 56-81-5	< 10%
Aloe vera oil	CAS# 100084-89-7	< 5%
Ethyl alcohol	CAS# 64-17-5	< 40%

Hazardous chemical components: None

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.

3. HAZARDS IDENTIFICATION:

Solgiene waterless hand gel contains the following hazardous ingredients at concentrations greater than 1.0%

Chemical Components:	None
CAS#:	
%w/v:	
OSHA PEL:	0.2 ppm ¹
ACGIH TLV:	0.05 ppm

Solgiene waterless hand gel contains the following hazardous ingredients listed as carcinogens or potential carcinogens by the National Toxicology Program (NTP), International Agency on Cancer (IARC) or OSHA, and present at a concentration greater than 0.1%:

CHEMICAL COMPONENTS:	None
CAS#:	n/a
%v/w:	n/a

4. FIRST AID MEASURES:

Ingestion:	Do not induce vomiting. Drink large quantities of water. Note to the physician: Probable mucosal damage from oral exposure of large quantity of ingestion of undiluted Solgiene waterless hand gel may contra indicate the use of gastric pump.
Eyes:	Immediately flush eyes with water and continue washing for at least 2 minutes.
Skin:	Wash with plenty of water.
Inhalation:	Normally none required, however if needed, remove to fresh air.

Medical Conditions Generally Aggravated by Overexposure: See above.

5. FIRE FIGHTING MEASURES:

Flash Point (Test Method):	None (Tag Closed Cup ASTM D 56)
Special Fire Fighting Procedures:	Self-Contained Breathing Apparatus (SCBA) and protective clothing should be worn when fighting chemical fires.
Unusual Fire and Explosion Hazards:	None known
Extinguishing Media:	Carbon dioxide, foam, dry chemical.

6. ACCIDENTAL RELEASE MEASURES:

- Steps to be taken if material is released or spilled:
Wear suitable protective equipment, including latex gloves.

For small spills of 5 litres or less, use 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 followed by a final mop up 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. paper towels. With a sponge type mop pick up as much of the spillage as possible. Discard the waste 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 Solgiene waterless hand gel, 40% alcohol sanitizer, 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: Solgiene waterless hand gel, 40% alcohol sanitizer should be stored in its original sealed container at room temperature (15°C to 30°C).
- Precautionary labelling: Avoid contact with eyes the undiluted product as it will sting the eyes.

7. HANDLING AND STORAGE:

Suitable Material: Plastic containers
 Handling Storage Precessions: Keep in a cool place. Keep lid closed.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION:

Route of Entry: Inhalation - skin contact - eyes

Signs and Symptoms Associated with Overexposure (one-time or repeated):

- a) Ingestion of solution containing 25% of Solgiene waterless hand gel, 40% alcohol sanitizer or higher: May cause irritation and possibly a stinging feeling in the mouth, throat, stomach and oesophagus. May produce discomfort in the mouth, throat, chest and abdomen, nausea, vomiting, diarrhoea, thirst and weakness.
- b) Eyes: Solution contact may cause no more damage than getting any concentrated soap in ones eye. Do not use on contact lens. Therefore, avoid eye contact.
- c) Skin: Not skin irritant. Avoid contact on existing dermatitis.
- d) Inhalation: none

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, light blue gel.
Odor:	Odourless for medical market
pH:	5.5 - 7.8
Boiling point:	100°C
Melting point:	Not determined
Flash point:	Not applicable
Flammability:	Nil
Freezing point:	0°C/32°F (Same as Water)
Auto Flammability:	Not determined
Explosive Properties:	Nil
Oxidizing Properties:	Nil
Vapor pressure:	1.1 (air=1)
Solubility:	Water: Completely
Neurotoxicity:	Nil.

10. STABILITY AND REACTIVE

Stability	Stable
Hazardous Polymerisation:	Will not occur at temperature between -4° C and +40° C
Hazardous Decomposition Products:	Nil.
Conditions and Materials to Avoid:	Enzyme cleaners, Ammonia, Amine containing products.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity:	Toxic at 5% active G-cide, non-toxic at less than 0.5% active G-cide.
Acute toxicity dermal:	None
Acute toxicity inhalation:	None
Eye irritation:	Avoid eye contact with solutions of greater than 0.5% active G-cide. Stings the eye, but will cause no long lasting impairment. Do not use on contact lenses.
Skin Irritation:	>2% G-cide will discolor skin a brownish color, which will disappear after five washing over two days. No discoloration nor irritation will be experienced with solutions of less than 0.3% active G-cide, 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.
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13. DISPOSAL CONSIDERATIONS

Disposal methods:	Dispose in accordance with local legislation
Disposal of packaging:	No special precautions

14. TRANSPORT INFORMATION

Product is not classified for any mode of transport.			
Proper Shipping Name:	Waterless hand gel	DOT (ground):	Not regulated
IATA (air):	Not regulated	IMO (ocean):	Not regulated
Hazard Class:	None	Labels:	None needed
ID#:	None	Special Instructions:	None
Reportable Quantity:	None	NON-FLAMMABLE	
TRANSPORTATION			
No special requirements.			

15. REGULATORY INFORMATION

Médical Device ISO13485 :2016 and MCC class AH,BH,CH EN tested

EC classification Non-flammable

EC risk phrase None

EC safety phrase None

Contains: water, surfactants, alcohol, Carbopol, glycerine, Aloe Vera oil, biocide and colorant.

16. OTHER INFORMATION

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