



SOLGIENE

ECO-FRIENDLY HEALTH SOLUTIONS

MATERIAL SAFETY DATA SHEET

Solgiene Disinfectant Hand Soap

An anti-microbial medical device hand soap

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 (Pty) Ltd

1. PRODUCT NAME:

Trade Name: Solgiene disinfectant hand soap
Product code: SOL201
Product Type/General Information: Disinfectant skin detergent
Registration Number: EN 1276. 1650, 14476 tested ISO13485:2016 medical device and MCC class AH,BH,CH

2. COMPOSITION:

Glutaral C11-C15 Pareth 9(active ingredient)	CAS# -	0.3 - 0.5%
Cocamidopropyl betaine	CAS# 86438-79-1	< 10%
Sodium laurel ether sulfate	CAS# 9004-82-4	< 20%
Sodium laurel sulfate	CAS# 85586-07-8	< 10%

Hazardous Chemicals: None

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:

Solgiene disinfectant hand soap contains the following hazardous ingredients at concentrations greater than 1.0%

Hazardous chemical components:	None
CAS#:	-
%w/v:	-
OSHA PEL:	0.2 ppm ¹
ACGIH TLV:	0.05 ppm

Solgiene disinfectant hand soap 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%:

Hazardous 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 disinfectant hand soap may contraindicate the use of a 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: 5 liters 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: 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 into a bin according to your facility's waste disposal guidelines OR wash the area down with plenty of water to drain or sewer. Then mop the spill area with fresh water. Rinse out all equipment (bucket, mop, towel) with large amount of water. If paper towels were used, dispose of in a tightly closed trash. Let spill area dry before allowing people traffic to ensure no one can slip on the floor.

Waste disposal method: Disposal of Solgiene disinfectant hand soap 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 disinfectant hand soap 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 will sting the eyes, like any type of soap.

Clean as per Government regulations. Soak up with inert absorbent material (eg. Sand, silica gel, acid binder, sawdust)

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: None
Signs and symptoms associated with over exposure (one-time or repeated):

Ingestion of solution containing 5% of Solgiene disinfectant hand soap 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.

Eyes: Solution contact may cause no more damage than getting any concentrated soap in one's eye.
Skin: Not skin irritant. Avoid contact on existing dermatitis.
Inhalation: None

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, green, viscous liquid.
Odor: Herbal
pH: 5.5 - 7.8
Boiling point: 100°C
Melting point: Not determined
Freezing Point: 0°C / 32°F
Flash point: Not applicable

Flammability:	Nil
Percent Volatile by Vol.:	Not detectable at normal usage dilution
Molecular Weight:	This is a mixture of various chemicals
Oxidizing Properties:	Nil
Vapor density:	1.1 (air=1)
Solubility:	Water: Completely
Neurotoxicity:	Nil.

10. STABILITY AND REACTIVE

Stability	Stable
Hazardous Polymerization:	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, nontoxic 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:	10% G-cide will discolour skin to a brownish colour, which will disappear after five washing over two days. No discolouration or irritation will be experienced with solutions of less than 0.3% active G-cide, for normal skin.
Skin sensitisation:	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

Proper Shipping Name:	Hand soap	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		

15. REGULATORY INFORMATION

EC classification:	Non-flammable
EC risk phrase:	None
EC safety phrase:	None
Contains:	Water, surfactants, biocide, perfume, quick drying agents and colourant.

16. OTHER INFORMATION

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