



SOLGIENE

ECO-FRIENDLY HEALTH SOLUTIONS

MATERIAL SAFETY DATA SHEET

Solgiene Multi-Purpose Disinfectant Cleaner (ready to use and concentrate)

An excellent disinfectant cleaner containing G-cide technology

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 Multi purpose disinfectant cleaner
Product Code: SOL301
Synonyms: Disinfectant surfactant and detergent for hard surfaces
Registration number: EN TESTED to be Anti-bacterial, anti-fungal and anti-viral disinfectant cleanser for hard surfaces.
Registered under the compulsory Act of SA.
ACT29GNR529/240549/110/714
ISO 13485:2016 for medical devices and complies with the MCC class of AS,BS,CS

2. COMPOSITION:

Chemical Name: (active ingredient) 0.3% - 2% Glutaral C11-C15 Pareth9
Hazardous Chemicals: None
Routes of Entry: Inhalation X Skin/Eye X Ingestion X

Note: There is no sulphonic acid, CDE or any other type of ethanolamine in this formulation.
There are no Nitrosamine forming ingredients in this product.

3. HAZARDS IDENTIFICATION:

Solgiene multi-purpose disinfectant cleaner contains the following hazardous ingredients at concentrations greater than 1.0%

CHEMICAL COMPONENTS: **None**
CAS#: n/a
%v/w: n/a
OSHA PEL: 0.2 ppm¹
ACGIH TLV: 0.05 ppm

Solgiene multi-purpose disinfectant cleaner 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

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:

Ingestion: **Do not induce vomiting.** Drink large quantities of water.

NOTE TO PHYSICIAN: Probable mucosal damage from oral exposure of large quantity of ingestion of undiluted Solgiene surface disinfectant and cleaner spray 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 the person is to be removed 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 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 500 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, 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 multi-purpose disinfectant 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:** Solgiene multi-purpose disinfectant cleaner should be stored in its original sealed container at room temperature (15°C to 30°C) away from direct sunlight. Do not mix with any other substance without the manufacturer's approval.
- Precautionary labelling:** Avoid eye contact with the undiluted product. It will sting the eyes, like any type of soap.

7. HANDLING AND STORAGE:

Eye Protection:	Safety glasses for handling of CONCENTRATE solutions. An eyewash should be available for emergency situations.
Ventilation:	None specially 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 the Solgiene multi-purpose disinfectant cleaner of concentrations of 5% and higher active solutions. Use normal latex gloves for decanting of this solution. Rubber boots may be needed to contain large spills.
Respiratory Protection:	None required
Do not store this product in direct sunlight. Do not mix with any other chemicals without the permission of the manufacturer.	
Handling of the packed product:	Handle with care and for any spillages follow procedures in section 6 above.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION:

Route of Entry: Inhalation, skin and eyes

Signs and symptoms associated with overexposure (one-time or repeated):

- a) Ingestion of solution containing Solgiene multi-purpose cleaner: 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. No problems with solutions of less than 0.5% active G-cide
- b) Eyes: Avoid eye contact with this solution. Solution contact will cause damage and stinging of eyes. Seek medical attention.
- b) Skin: Not skin irritant. Avoid contact on existing dermatitis.
- c) Inhalation: none provided label instructions are followed.
- d) Prevention of fire: Do not use near any sparking electrical equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Colour:	White liquid
Fragrance:	Fresh
pH:	Between 5.5 and 7.8
Specific Gravity:	< 0.99
Boiling Point:	100° C
Evaporation Rate:	Not applicable
Freezing Point:	0° C/32° F (Same as Water)
Percent Volatile by Vol.:	Not detectable at normal usage dilution
Vapour Pressure:	None
Vapour Density:	1.1 (air =1)
Molecular Weight:	This is a mixture of various chemicals
Solubility (H ₂ O):	Complete
Neurotoxicity:	Nil.

10. STABILITY AND REACTIVE

Stability:	Stable for one year
Hazardous Polymerisation:	Will Not Occur at temperature between -4° C and +40° C
Hazardous Decomposition Products:	Thermal decomposition may produce toxic oxides of carbon.
Conditions and Materials to Avoid:	Enzyme cleaners, Ammonia, Amine containing products.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity:	Undiluted product is toxic.
Acute toxicity dermal:	None
Acute toxicity inhalation:	None
Eye irritation:	Avoid eye contact. Stings the eye but will cause no long lasting impairment. Do not use on contact lenses.
Skin Irritation:	This solution may dry out skin if used a lot.
Skin sensitization:	None avoid use on dermatitis skin or open wounds (stings).

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

Proper Shipping Name:	Solgiene multi-purpose disinfectant cleaner	
DOT (ground): HAZ MAT	IATA (air):	Allowed
IMO (ocean): HAZ MAT	Hazard Class:	Not flammable
Labels: HAZ SIGN needed	ID#:	Not flammable

Special Instructions: Do not expose to nitrogen containing substances may cause brown staining. Staining is not permanent. Chemicals to avoid are chlorhexidine, QAC compounds or Ammonia.

Reportable Quantity:	None
----------------------	------

15. REGULATORY INFORMATION

Compulsory Act 5 for disinfectants / detergents registered. REG No. see above.
 EC classification.
 EC risk phrase:
 EC safety phrase:
 MEDICAL DEVICE ISO13485:2016 and MCC class AS,BS,CS.

16. OTHER INFORMATION

Contains: Water, non-ionic surfactant, preservative and fragrance.

Disclaimer

The information contained herein is based on the present state of information and knowledge available. The information provided are guidelines and recommendations and DOES NOT constitute any guarantee or warranty. Noble Techniques Ltd does not accept any liability of any kind for any loss including, without limitations, consequential loss, injury or damage arising from the use of its products and or information contained herein.

Ref: SOL301 Date: 08.02.2020