



PRODUCT NAME: SANI-99™

‘IN SOLUTION: 6G=1L’

(HAND AND SURFACE DISINFECTANT)

MATERIAL SAFETY DATA SHEET

Latest Revision: 22 January 2021

Note: This MSDS sheet refers to the mass format handling of the raw product diluted in 1lt water, which has no known safety threats in its diluted form.

Certified: EN 1276. EN 13697. SANS 51276. SANS 513697. BS EN 14476:2013 + A2:2019. BS EN 1040:2005

Sani-99™ in solution is:

Non-Combustible

Non-Flammable

Non-Corrosive

1. PRODUCT AND COMPANY IDENTIFICATION:

1.1. Trade / Commercial Names: Sani-99™
Chemical Name: Sani-99™ Solution
UN No: N/A
ERG No: N/A
Hazchem Code: 1we
EAC: 1

1.2 Relevant uses of the substance or mixture and uses advised against.

Relevant uses: A surface and hand disinfectant for industrial and general household sectors.

Uses advised against: None, provided that the information on this MSDS is followed.

1.3 Material Safety Data Sheet supplier details:

- **Manufacturer:** Scientific Sanitation Solutions (Pty) Ltd
Unit 7, 67 Regency Drive, Route 21 Corporate Park, Irene, Pretoria, 0178, South Africa.
victor@scisan.co.za
- **Supplier:** Scientific Sanitation Solutions (Pty) Ltd
+2712 111 1313
www.scisan.co.za

1.4 Emergency Numbers:

021 931 6129 – Tygerberg

021 689 5227 – Red Cross

080 033 3444 - KZN

082 491 0160 - Bloemfontein

2. COMPOSITION:

DISINFECTANT: Proprietary blend of various inorganic persulfate salts and oxidants diluted in water.

3. HAZARDS IDENTIFICATION:

3.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Not a hazardous substance or mixture.

3.2 LABEL ELEMENTS

Not a hazardous substance or mixture.

3.3 OTHER HAZARDS

None

4. FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES.**GENERAL PRACTICE.**

If you feel unwell, see a physician.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most important known symptoms and effects are described in section 3.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No data available

5. FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA**SUITABLE EXTINGUISHING MEDIA**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

No data available.

5.3 ADVICE FOR FIREFIGHTERS

No data available

5.4 FURTHER INFORMATION

The product itself does not burn.

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

For personal protection see section 8.

6.2 ENVIRONMENTAL PRECAUTIONS

No data available

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Wipe up with absorbent material (e.g. cloth, fleece).

6.4 REFERENCE TO OTHER SECTIONS

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 HANDLING:

No data available. See section 3

7.2 STORAGE:

Store in cool and dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 OCCUPATIONAL EXPOSURE LIMITS:

No Exposure Limits Established.

8.2 CONTROLS:

The control measures appropriate for a particular worksite depends on how this material is used and on the extent of exposure.

8.3 PERSONAL PROTECTION:

Personal protective equipment.

9. PHYSICAL & CHEMICAL PROPERTIES

PHYSICAL APPEARANCE:	Odorless clear liquid
ALTERATION IN CONDITIONS:	not applicable
MELTING POINT/RANGE:	0 °C
BOILING POINT/RANGE:	100 °C
FLASHPOINT:	not applicable
INFLAMMABILITY:	not applicable
IGNITION TEMPERATURE:	not applicable
SPONTANEOUS IGNITION:	not applicable
<u>EXPLOSION LIMITS</u>	
DUST EXPLOSION:	not applicable
VAPOR PRESSURE:	no applicable
BULK DENSITY:	1 g/ml
SOLUBILITY:	miscible
pH VALUE:	approx. 7 (6g/L)
ADDITIONAL INFORMATION:	None

10. STABILITY AND REACTIVITY

10.1 CONDITIONS TO AVOID:	Product is stable. Product itself is not combustible. Product itself is not flammable
10.2 CONDITION TO AVOID:	None
10.3 INCOMPATIBLE MATERIALS:	None

11. TOXICOLOGICAL INFORMATION

11.1 ACUTE TOXICITY:	No acute toxicity information is available for this product.
11.2 ACUTE ORAL TOXICITY:	No acute toxicity information is available for this product.

11.3 ACUTE DERMAL TOXICITY:	No acute toxicity information is available for this product.
11.4 ACUTE INHALATION TOXICITY:	No acute toxicity information is available for this product.
11.5 SENSITIZATION:	No information available
11.6 GENOTOXICITY:	Ames test, salmonella typhimurium, negative, literature
11.7 EXPERIENCES WITH HUMAN BEINGS:	May cause eye and respiratory irritation.

12. ECOLOGICAL INFORMATION

12.1 <u>DATA ON ELIMINATION</u> (PERSISTENCE AND DEGRADABILITY):	Medium: water/soil A biotic degradation on account of hydrolysis, reduction.
12.2 BEHAVIOR IN ENVIRONMENTAL FIELDS:	Under ambient condition quick hydrolysis, decomposition or reduction occurs. Hydrolyzed following 5h to 50% (23°C,pH7) The following substances are formed: oxygen and sulphate. <u>Mobility and bioaccumulation potential</u> Bioaccumulation: none Hydrolysis, decomposition, reduction The following substances are formed: oxygen, and sulphate.
12.3 ECO-TOXIC EFFECTS:	Aquatic toxicity Fish toxicity: LC50 (96h) > 32 mg/l <56 mg/l, Brachydanio rerio, OECD 203 Toxicity to crustaceans: Acute water flea toxicity: EC 50 (24h) = 5.3 mg/l. Daphnia magna, OECD 202 Acute water flea toxicity: NOEC (24h) = 1.8 mg/l, Daphnia magna OECD 202 Behavior in water treatment plants: Hydrolysis, decomposition, reduction The following substances are formed: oxygen and sulphate
12.4 BACTERIA TOXICITY:	Escherichia coli., (10 sec) = 6g/l Staphylococcus aureus, (10 sec) = 6g/l Enterococcus hirae, (10 sec) = 6g/l Pseudomonas aeruginosa, (10 sec) = 6 g/l Salmonella typhimurium (10 sec) = 6 g/l Listeria monocytogenes (10 sec) = 6 g/l

12.5 VIRAL TOXICITY: SARS-CoV-2 (30 sec) = 6 g/l
[EN 14476:2013 + A2:2019] performed by Blutest Laboratories, Glasgow, UK, [07/2020].

12.6 FURTHER ECOLOGICAL INFORMATION: Chemical oxygen demand:
COD value: not applicable (inorganic product)

Biochemical oxygen demand:
BOD5 value: not applicable (inorganic product)

AOX information:
The product does not contain any organically bonded halogen

13. DISPOSAL CONSIDERATION

13.1 DISPOSAL METHOD PRODUCT: This product must be disposed of as an inorganic liquid.

13.2 LABORATORY Chemical in accordance with the regulations issued by the appropriate local authorities.

13.3 DISPOSAL METHOD PACKAGING: No specific disposal method for solution packaging required.
Recommended cleaning agent of packaging material: WATER.

Disposal of packaging in accordance with local authorities.

14. TRANSPORT INFORMATION

Hazchem Code:	None
EAC	1
IMDG-Shipping Name	Sani-99™ sanitizer
IMDG Code	000000
Marine Pollutant	No
Class	N/A
Subsidiary Risks	None

15. REGULATORY INFORMATION

15.1 EEC HAZARD CLASSIFICATION None

15.2 RISK PHRASES: N/A

15.3 NATIONAL LEGISLATION: Keep locked up and out of reach of small children.

16. OTHER INFORMATION

16.1. FOGGING and/or spaying of SANI-99 on surfaces.

16.1.1 When used in cold fogging applications, personnel can re-enter the treated facility 5 minutes after area has been fogged and the fog has settled on the surfaces.

16.1.2. When spraying on surfaces with a hand-held spray bottle fitted with a standard spray nozzle, personnel do not have to leave the working area.

16.1.3. The owners of SANI-99 do not take responsibility for efficacy results of treated areas.

16.2. Further information on properties and safe handling of product can be obtained from the Owners: Scientific Sanitation Solutions (Pty) Ltd.

www.scisan.co.za

+2712 111 1313

DISCLAIMER: This information is based on our current knowledge and is intended to describe the product for the purposes of health and safety requirements only. It should not, therefore, in itself be construed as a guarantee of any specific quality and efficacy relating to the product, in raw or diluted form. The user must satisfy himself/herself that the product is suitable for his/her purpose.

Product is not tested on fabrics, leather, dyed hair, damaged skin and animals, in its diluted form of 6g =1lt. When SANI-99™ raw product is *on-selled* by the buyer who has been invoiced by the manufacturer, the manufacturer does not take responsibility for the incorrect use of the product by the end-user. It is the responsibility of the invoiced person/on-seller, to give proper induction to the end-user on proper use, dosage, correct dilutions and risks, when using the product in raw, or diluted format.