

# Sani-99™ Disinfectant Safety Data Sheet

(Prepared in accordance with regulation (EC) 2015/830)

In Solution

Latest Revision: 13 Feb 2024



## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product Identifier

Product Name: Sani-99™ (in solution)

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

#### 1.2.1 PT1 – Human Hygiene.

#### 1.2.2 PT2 - Disinfectants and algacides

- Used for the disinfection of surfaces, materials, equipment and furniture which are not used for direct contact with food or feeding stuffs. Usage areas include, inter alia, swimming pools, aquariums, bathing and other waters; air conditioning systems; and walls and floors in private, public, and industrial areas and in other areas for professional activities.
- Used for disinfection of air, water not used for human or animal consumption, chemical toilets, wastewater, hospital waste and soil.
- Used as algacides for treatment of swimming pools, aquariums and other waters and for remedial treatment of construction materials.
- Used to be incorporated in textiles, tissues, masks, paints and other articles or materials with the purpose of producing treated articles with disinfecting properties.

#### 1.2.3 PT3 - Veterinary hygiene

- Used for veterinary hygiene purposes such as disinfectants, disinfecting soaps, oral or corporal hygiene products or with anti-microbial function.
- Used to disinfect the materials and surfaces associated with the housing or transportation of animals.

#### 1.2.4 PT4 - Food and feed area

- Used for the disinfection of equipment, containers, consumption utensils, surfaces or pipework associated with the production, transport, storage or consumption of food or feed (including drinking water) for humans and animals.
- Used to impregnate materials which may enter into contact with food.

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

### 1.3 Details of the Supplier of the Material Safety Data Sheet:

#### Manufacturer:

Scientific Sanitation Solutions (Pty) Ltd  
Unit 7, 67 Regency Drive,  
Route 21 Corporate Park,  
Irene, Pretoria, 0178,  
South Africa.  
victor@scisan.co.za  
[www.scisan.co.za](http://www.scisan.co.za)

### 1.4 Emergency Numbers:

For routine poisons advice you should contact your general practitioner or telephone NHS 111 (England) or NHS 24 (Scotland) on 111.

## SECTION 2: Hazards Identification

### 2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Product definition : Mixture

#### 2.1.1. Classification according to regulation (EC) 1272/2008 (CLP/GHS)

Not a hazardous substance or mixture.

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## 2.1.2. Additional Information

For full text of Hazard- and EU hazard-statements applicable to Sani-99™, when in granular form, refers to MSDS of Sani-99™ anhydrous powder.

## 2.2. Label Elements

### 2.2.1. According to regulation (EC) 1272/2008 [CLP/GHS]

Pictograms: None  
Signal Word: None  
Hazard Statement: None  
Precautionary Statements: None

## 2.3. Other Hazards

None

## SECTION 3: Composition/Information on Ingredients

### 3.1. Substance

Mixture

### 3.2. Mixture

Proprietary blend of various inorganic salts and oxidants diluted in water.  
The substances classified according to regulation (EC) 1272/2008 present in this mixture are reported in the following table.

Ingredient Name	Ingredient Type	Percentage (%)	CAS Number
Potassium Peroxymonosulfate	Active Ingredient	8 - 10	70693-62-8
Peracetic Acid	Active Ingredient	10 - 12	79-21-0
Sodium Persulfate	Supplementary Ingredient	48 - 50	7775-27-1
Potassium Persulfate	Supplementary Ingredient	30 - 32	7727-21-7

Classification according to the regulation (EC) 1272/2008 can be found in the Sani-99™ Anhydrous powder MSDS

## SECTION 4: First Aid Measures

### 4.1 DESCRIPTION OF FIRST AID MEASURES.

#### GENERAL PRACTICE.

If you feel unwell, see a physician. Treat exposure symptomatically.

### 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most important known symptoms and effects are described in section 4.

### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No data available

## SECTION 5: Fire Fighting Measures

### 5.1 EXTINGUISHING MEDIA

#### SUITABLE EXTINGUISHING MEDIA

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

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### 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

There are no unusual fire or explosion hazards associated with this product.

### 5.3 ADVICE FOR FIREFIGHTERS

No specific fire-fighting procedures.

### 5.4 FURTHER INFORMATION

The product itself does not burn.

## SECTION 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.

## SECTION 7: Handling and Storage

### 7.1 PRECAUTIONS FOR SAFE HANDLING

No special measurements needed.

### 7.2 CONDITIONS FOR SAFE STORAGE INCLUDING ANY COMPATIBILITIES

Store in cool and dry place in a tightly closed container.

## SECTION 8: Exposure Controls / Personal Protection

### 8.1 OCCUPATIONAL EXPOSURE LIMITS

No Exposure Limits Established.

### 8.2 EXPOSURE CONTROLS

In case of large volume spills, establish adequate ventilation.

### 8.3 PERSONAL PROTECTION

Eye/face protection: No eye/face protection noted. Wearing general PPE is advised as good laboratory practice.

Skin Protection: No skin protection needed. Wearing general PPE is advised as good laboratory practice.

## SECTION 9: Physical & Chemical Properties

### PHYSICAL APPEARANCE:

Odourless clear liquid

### ALTERATION IN CONDITIONS:

not applicable

### MELTING POINT/RANGE:

0 °C

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BOILING POINT/RANGE:	100 °C
FLASHPOINT:	not applicable
INFLAMMABILITY:	not applicable
IGNITION TEMPERATURE:	not applicable
SPONTANEOUS IGNITION:	not applicable
<b>EXPLOSION LIMITS</b>	
DUST EXPLOSION:	not applicable
VAPOR PRESSURE:	no applicable
BULK DENSITY:	1 g/ml
SOLUBILITY:	miscible
pH VALUE:	approx. 5-7 (6g/L)
ADDITIONAL INFORMATION:	None

### SECTION 10: Stability and Reactivity

#### 10.1 CONDITIONS TO AVOID:

Product is stable.  
Product itself is not combustible.  
Product itself is not flammable.

#### 10.2 STABILITY:

Disinfectant is stable for 90≤ days.

#### 10.3 INCOMPATIBLE MATERIALS:

Keep away from other disinfectants/cleaners.

Never mix with other disinfectants, alcohol sanitisers or cleaning detergents.

### SECTION 11: Toxicological Information

Toxicological Endpoint	Value
Acute Oral Toxicity	Not hazardous based on calculation of components
Acute Dermal Toxicity	Not hazardous based on calculation of components
Acute Inhalation Toxicity	Not hazardous based on calculation of components
Skin Irritation	Not hazardous based on calculation of components
Eye Irritation	Not hazardous based on calculation of components
Skin sensitization	Not hazardous based on calculation of components
Repeat dose toxicity (short term)	Data not available
Germ cell mutagenicity	None of the components of the mixture are classified as genotoxic
Carcinogenicity	None of the components of the mixture are classified as carcinogenic
Reproductive toxicity	None of the components of the mixture are classified as toxic to reproduction

### SECTION 12: Ecotoxicological Information

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### 12.1 DATA ON ELIMINATION

#### (PERSISTENCE AND DEGRADABILITY):

Medium: water/soil biotic degradation on account of hydrolysis, reduction.

### 12.2 BEHAVIOR IN ENVIRONMENTAL FIELDS:

Under ambient condition hydrolysis, decomposition or reduction may occur.

Sani-99™ is readily biodegradable when exposed to large bodies of water.

The following substances are formed when hydrolyzed: oxygen and sulphate.

### 12.3 BIOACCUMULATION POTENTIAL

Bioaccumulation: none

### 12.4 MOBILITY POTENTIAL

None

### 12.5 ECO-TOXIC EFFECTS:

(The ecotoxicological values for Potassium Peroxymonosulfate taken from the EU Biocide CAR are presented below).

Fish toxicity:

LC<sub>50</sub> (96h) > 32 mg/l <56 mg/l, Brachydanio rerio, OECD 2

Acute water flea toxicity:

EC<sub>50</sub> (24h) = 5.3 mg/l. Daphnia magna, OECD 202

Acute water flea toxicity:

NOEC (24h) = 1.8 mg/l, Daphnia magna OECD 202

### 12.6 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

### 12.7 VIRAL TOXICITY:

SARS-CoV-2 (30 sec) = 6 g/l

[EN 14476:2013 + A2:2019] performed by BluTest Laboratories, Glasgow, UK, [07/2020].

### 12.8 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.

## SECTION 13: Disposal Consideration

### 13.1 DISPOSAL METHOD PRODUCT:

This product must be disposed of as an inorganic liquid.

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## 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.

## SECTION 14: Transport Information

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

## SECTION 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.

### 15.4 SAFETY HEALTH AND ENVIRONMENTAL REGULATIONS SPECIFIC FOR THE SUBSTANCE

This safety data sheet has been compiled according to the requirements of regulation (EC) No. 1907/2006

## SECTION 16: OTHER INFORMATION

### 16.1 Spaying of SANI-99 on surfaces:

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.**

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

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

[www.scisan.co.za](http://www.scisan.co.za)

+2712 111 1313

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**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.