



Nanoclean

SAFETY DATA SHEET

In accordance with The Model Work Health and Safety Regulations, and the Globally Harmonized System of Classification and Labelling of Chemicals.
Revision Date 27/11/2023 v2 Page 1 of 9

SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Company Name, Address, and Telephone

Nanocare SA
Unit 2 Riverdale Office Park, 18 Dawnhill Road,
Westmead,
Pinetown,
KZN,
3610
Contact no : 031- 015 5089

Product Identification

Craft Pouch suitable for Food and Non Food products

Size: 3.5g Tablets / 8g (Packed in Qty of 8 tablets or 12 tablets per pouch.)

Product Certification: NRCS/8054/296309/1358

Product Form: Effervescent Tablet

Product Name: Nanoclean / Acticlean

- Bathroom Cleaner - Light Green tablet - Light Green Liquid 2 X 3.5g = 500ML
- Kitchen Cleaner – Orange Tablet - Yellow Liquid 2 X 3.5g = 500ML
- Toilet Bowl Cleaner – Blue Speckle Tablet - Dark Blue Liquid = 1 X 3.5g tablet into Toilet bowl
- Floor Cleaner – Purply Pink Tablet - Pink Liquid = 1x 8g tablet 3.5lt of water

Synonyms:

Sodium Troclosene
Blended Detergent Powder
Nanocare Quantum Dotted Nano Silver (AgNP)

Intended Use of the Product

Used for - Cleaning, Disinfecting of Surfaces

Shelf life: 2 year from product manufactured date (See pouch for Production –
Batch no, expiry date and manufactured date)

Emergency Number : 082 495 3279 / 073 398 4657

nanocare south africa

info@nanocaresa.co.za | www.nanocaresa.co.za | Unit 2 Riverdale Office Park, 18 Dawnhill Road, Maxmead, Pinetown,
Ryan Ambler-Smith | Jake Van Wyk | Celeste van wyngaard | Reg #: 2020/158096/07 PTY (Ltd) | VAT NO 4270300256



Nanoclean

SAFETY DATA SHEET

In accordance with The Model Work Health and Safety Regulations, and the Globally Harmonized System of Classification and Labelling of Chemicals.
Revision Date 27/11/2023 v2 Page 2 of 9

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Mixture in water

Classification- Non Toxic

Label Elements

No labelling applicable

Non-GHS Hazards Not available

Signal Word: WARNING: Not for Human consumption / Keep out of children reach

SECTION 3: COMPOSITION OF INGREDIENTS

Sodium Troclosene	56%	CAS NO : 2893-78-9
Nano Silver	0.016%	CAS NO. 7440-22-4
Sodium Sulphate (Ionic)	15%	CAS NO 7757-82-6
Sodium Bicarbonate	14%	CAS NO - 144-55-8
p-Toluene Sulfonic Acid (Non Ionic)	6.5%	CAS NO 6192-52-5
Sodium Tripolyphosphate	3%	CAS NO ; 7758-29-4
Soda Ash	3%	CAS NO - 497-19-8
Starch	2%	CAS NO - 977002-81-5
Colorant Tablet dependent	0.48%	CAS NO - CI 77007 (Blue) CAS NO - CI 15985 (Yellow)

SECTION 4: FIRST AID MEASURES

Description of First-aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: No Known Side effects. Not harmful

Skin Contact: No known Side effects. Not harmful

Eye Contact: No Known side effects. Not harmful

Ingestion: Symptoms occur: Heart burn may occur if large quantities are swallowed.

Personal Protection in First Aid and Measures: Not available



Nanoclean

SAFETY DATA SHEET

In accordance with The Model Work Health and Safety Regulations, and the Globally Harmonized System of Classification and Labelling of Chemicals.
Revision Date 27/11/2023 v2 Page 3 of 9

Most Important Symptoms and Effects Both Acute and Delayed

General: Not expected to present a significant hazard under anticipated conditions of normal use.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

Special Hazards Arising From the Mixture

Fire Hazard: Not flammable.

Explosion Hazard: Product is not explosive.

Reactivity: Do not mix or use this product with any other chemical

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Irritating or toxic vapors.

Reference to Other Sections

Refer to Section 9 for Flammability Properties

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid prolonged contact with eyes, skin and clothing.

For Non-Emergency Personnel

Protective Equipment: It is not necessary to use appropriate personal protective equipment (PPE).



Nanoclean

SAFETY DATA SHEET

In accordance with The Model Work Health and Safety Regulations, and the Globally Harmonized System of Classification and Labelling of Chemicals.
Revision Date 27/11/2023 v2 Page 4 of 9

Emergency Procedures: Mixture can be used in confined or open spaces with no harmful gasses or odours

For Emergency Personnel - Protective Equipment: Equip clean-up crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

Environmental Precautions

Non Hazards and Non Toxic.

Methods and Materials for Containment and Cleaning Up

For Containment: If split in small or large quantities let solution self-dry or wipe down with water only

Methods for Cleaning Up: Clean up spills as above

Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Additional Hazards When Processed: Mixture is not toxic/ non-hazardous. There is no need for PPE to be used to prevent exposure of the handler to the product.

Precautions for Safe Handling: Mixture is not toxic/ non-hazardous. There is no need for PPE to be used to prevent exposure of the handler to the product. No special transport required. There are no harmful gasses released by the product, as such ventilated precautions not needed. Avoid contact with incompatible materials as listed below.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations including product storage specifications. Please see storage conditions.

Incompatible Materials: Acid base chemicals, oils, grease.



Nanoclean

SAFETY DATA SHEET

In accordance with The Model Work Health and Safety Regulations, and the Globally Harmonized System of Classification and Labelling of Chemicals -
Revision Date 27/11/2023 v2 Page 5 of 9

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place (25°C).
Keep/Store away from direct sunlight, extremely high temperatures and away from incompatible materials. Keep in original container.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer.

No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.

Exposure Controls

Appropriate Engineering Controls: Safe to use in Domestic, Industrial and Institutional areas. Ensure all national/local regulations are observed.

Personal Protective Equipment

Personal Protective Equipment: Not required for normal conditions of use.

Materials for Protective Clothing : Not required.

Hand Protection : Not required.

Eye and Face Protection : Not required.

Skin and Body Protection : Not required.

Respiratory Protection : Not required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State Tablet comes in Blue / Orange



Nanoclean

SAFETY DATA SHEET

In accordance with The Model Work Health and Safety Regulations, and the Globally Harmonized System of Classification and Labelling of Chemicals
Revision Date 27/11/2023 v2 - Page 6 of 9

Appearance	Colour change when diluted in water
Odour	No odour when diluted
Odour threshold	Slight Chlorine when in tablet form
pH	8.5 / 9.5 when mixed with water @ 250ppm
Evaporation Rate	Not available
Melting Point	Not available
Freezing Point	Not available
Boiling Point	Not available
Flash Point	Not available
Auto-ignition Temperature	Not applicable
Decomposition Temperature:	Decomposes at 240-250°
Water Solubility	25 g/100ml (30° C)
Lower Flammable Limit	Not available
Upper Flammable Limit	Not available
Vapour pressure	Not available
Relative vapour density	Not available
Relative Density	Not available
Vapour pressure	No data available
Vapour density	Not applicable under standard conditions

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Not Reactive to any Surfaces or Metals

Chemical Stability: Stable under recommended handling and storage conditions. Begins to lose one mole of water at approximately 50°C.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Heating above decomposition temperature

Incompatible Materials: acid based chemicals, oils, grease, (see section 7)



Nanoclean

SAFETY DATA SHEET

In accordance with The Model Work Health and Safety Regulations, and the Globally Harmonized System of Classification and Labelling of Chemicals -
Revision Date 27/11/2023 v2 Page 7 of 9

Hazardous Decomposition Products: Nitrogen trichloride, carbon monoxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity (Oral)	: Not classified - Non-toxic if swallowed
Acute Toxicity (Dermal)	: Non-toxic on contact with skin
Acute Toxicity (Inhalation)	: Not classified (no harmful gasses or odours)
Skin Corrosion/Irritation	: Not classified (Not irritating to skin)
Serious Eye Damage/Irritation	: Not classified (Not irritating to eyes)
Respiratory or Skin Sensitization	: Not classified (Not irritating to skin)
Carcinogenicity	: Not classified
Specific Target Organ Toxicity (Repeated Exposure)	: Not classified
Reproductive Toxicity	: Not classified
Specific Target Organ Toxicity (Single Exposure)	: None
Aspiration Hazard	: Not classified
Symptoms/Injuries after Inhalation	: None
Symptoms/Injuries after Skin Contact	: None.
Symptoms/Injuries after Eye Contact	: None.
Symptoms/Injuries after	: May feel nausea if large quantities are swallowed
Chronic Symptoms	: None expected under normal conditions of use.

Information on Toxicological Effects - Ingredient(s)

Research documentation can be supplied on request

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Acute Aquatic Toxicity	: Not classified
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Nanoclean

SAFETY DATA SHEET

In accordance with The Model Work Health and Safety Regulations, and the Globally Harmonized System of Classification and Labelling of Chemicals
Revision Date 27/11/2023 v2 Page 8 of 9

Chronic Aquatic Toxicity	: Not classified
Ecology – General	: Not classified.
Persistence and Degradability	: Not established
Bio accumulative Potential	: Not established
Mobility in Soil	: Not available
Other Adverse Effects	
Ozone	: Not classified

SECTION 13 : WASTE DISPOSAL INFORMATION

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, territorial, provincial, regulations.

Additional Information: Continue to observe all precautions.

Ecology - Waste Materials: Nanoclean is non Toxic / Packaging of Tablets is recyclable

SECTION 14: TRANSPORT INFORMATION

No special transport specifications are needed. The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored.

SECTION 15: REGULATORY INFORMATION

SOUTH AFRICAN REGULATORY INFORMATION

NRCS

NRCS /8054/296309/1358



Nanoclean

SAFETY DATA SHEET

In accordance with The Model Work Health and Safety Regulations, and the Globally Harmonized System of Classification and Labelling of Chemicals
Revision Date 27/11/2023 v2 Page 9 of 9

SECTION 16: OTHER INFORMATION

Date of Preparation or Latest Revision 27/11/2023 v2

Data Sources: Information and data obtained and used in the authoring of this safety data sheet could come from database subscriptions, official government regulatory body websites, product ingredient specific information, and/or resources that include substance specific data and classifications according to GHS or their subsequent adoption of GHS.