



Nanocare

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 20/11/2020 Page 1 of 9

SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Company Name, Address, and Telephone

3 Hesketh Road,
Westmead,
Pinetown,
KZN,
3610

Product Identifier

Product Form: Mixture

Product Classification: Type 1 Liquid

Product Name: Nanocare

Synonyms: Nanocare Stabilized Hypochlorous Acid
Nanocare Quantum Dotted Nano Silver

Product Certification – NRCS Certification Number – NRCS/8054/296309/648

Intended Use of the Product

2 in 1 Hand Sanitizer & Surface Disinfectant: Fungicidal / Yeasticidal / Bactericidal (This is a RTU product - Ready to Use)

Spraying

Fogging

Wiping

Rubbing (Hand)

Shelf life: 1 year from product manufactured date

Emergency Telephone Number

Emergency Number : 0824953279 / 0733984657



Nanocare

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 20/11/2020 Page 2 of 9

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification- Not classified

Label Elements

No labelling applicable

Non-GHS Hazards Not available

Signal Word: WARNING: Not for Human consumption

SECTION 3: COMPOSITION OF INGREDIENTS

Pharmaceutical Ph Balanced UV De-ironized H2O	99.89%	CAS No. 7732-18-5	DI
Nanocare Stabilized Hypochlorous Acid (HOCL)	240PPM (part per million)	CAS Reg. No. 7790-92-3	HOCL
Nanocare Quantum Dotted Nano Silver	0.08%	CAS No. 7440-22-4	AgNP

*Percentages are listed in weight by weight percentage (w%) for liquid and solid ingredients. PPM (Part per Million)

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

Most Important Symptoms and Effects Both Acute and Delayed



Nanocare

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 20/11/2020 Page 3 of 9

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. Avoid breathing (vapor, mist, spray).

For Non-Emergency Personnel

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



Nanocare

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 20/11/2020 - Page 4 of 9

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

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 spray down with water

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 Non Hazards.

Precautions for Safe Handling: No special transport or handling is needed

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations including product storage specifications

Incompatible Materials: Strong acids, strong bases, strong oxidizers. Do not dilute, mix with any other substances.



Nanocare

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 20/11/2020 - 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 or low 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 doors and in public areas. Ensure all national/local regulations are observed.

Personal Protective Equipment

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

Materials for Protective Clothing	: Not applicable.
Hand Protection	: Not applicable.
Eye and Face Protection	: Not applicable.
Skin and Body Protection	: Not applicable.
Respiratory Protection	: Not applicable.



Nanocare

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 20/11/2020 - Page 6 of 9

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	:	Liquid
Appearance	:	Clear
Odour	:	Slight chlorine odor
Odour threshold	:	Not available
pH	:	5–7 (Neat)
Evaporation Rate	:	Not available
Melting Point	:	Not available
Freezing Point	:	0 °C (32 °F)
Boiling Point	:	100 °C (212 °F)
Flash Point	:	Not available
Auto-ignition Temperature	:	Not applicable
Decomposition Temperature	:	Not available
Flammability (solid, gas)	:	Not available
Lower Flammable Limit	:	Not available
Upper Flammable Limit	:	Not available
Vapour pressure	:	Not available
Relative vapour density at 20 °C	:	Not available
Relative Density	:	Not available
Specific Gravity	:	1
Solubility	:	Water: Soluble
Partition Coefficient n-Octanol/Water	:	Not available



Nanocare

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 20/11/2020 - Page 7 of 9

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Not Reactive to any Surfaces or Metals

Chemical Stability:

Stable under recommended handling and storage conditions (see section 7).

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Direct sunlight.

Incompatible Materials: Strong acids, strong bases, strong oxidizers

Hazardous Decomposition Products: None known.

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
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.



Nanocare

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 20/11/2020 - Page 8 of 9

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
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: Container may remain hazardous when empty. Continue to observe all precautions.

Ecology - Waste Materials: Nanocare is non Toxic



Nanocare

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 20/11/2020 - Page 9 of 9

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 AND EUROPEAN REGULATORY INFORMATION

(Product Pass Test Compliancy)

South African National Standards

European Standards

Kill Rate %

SANS 51276	EN 1276	Log 5 = 99.999%
SANS 53727	EN 13727	Log 5= 99.999%
SANS 51660	EN 1650	Log 5= 99.99%
SANS 53704	EN 13704	Log 4 = 99.99%
SANS 53624	EN 13624	Log 4 = 99.99%
SANS 5763 (swab Test at 90 days)		Log 4 = 99.99%

NRCS Registration Number: NRCS/8054/296309/648

SECTION 16: OTHER INFORMATION

Date of Preparation or Latest Revision: 20/11/2020

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.