



Nanopure Surface Disinfectant HOCL Effervescent Tablets

In accordance with The Model Work Health and Safety Regulations, and the Globally Harmonized System of Classification and Labelling of Chemicals.

Revision Date 30/05/2022

SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Company Name, Address, and Telephone:

CREMONA TRADING 23 CC 26 HIBERNIA STREET GEORGE 6529
Contact no: Cell: + 27 82 560 7311 Office: +27 44 – 873 4745
CO REG: 2001/056114/23 VAT: 431 019 5187 IMPORT/EXPORT: 20702681
DIRECTORS: JF VAN RENSBURG-MD JHC GERBER-FIN

Product Identification:

HDPE Packaging suitable for chemical use:

Size: 200 x 3.25G, 40 x 6g ,100 x 6g.

Product Form: Effervescent tablet.

Product Name: Nanopure disinfectant HOCL effervescent tablets.

Synonyms:

- Sodium Dichloroisocyanurate Dihydrate (NaDCC).
- Quantum Nano Silver (AgNP).

Product Certification – NRCS Certification Number –

Intended Use of the Product:

(The Effervescent tablet dilute ONLY WITH WATER) **DO NOT DILUTE with any other liquid** used for **Low / Medium and High Surface Disinfectant solution.**

Shelf life: 3 years from product manufactured date (See label for Product - Batch no and expiry date).

Emergency Number: 082 495 3279 / 073 398 4657.

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Mixture in water as per Label recommendations:

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 Dichloroisocyanurate	51% CAS: 2893-78-9 (1.67g per 3.25g)	NaDCC
Quantum Nano Silver	0.008% CAS No. 7440-22-4	AgNP

PPM (Part per Million) see dilution table below.

NRCS Passed at 250ppm / per Lt (Follow label instructions).

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Disinfection Applications - Nanopure Effervescent tablets are NRCS Approved for Industrial, domestic, and Institutional/ Food & Medical Areas Meets Local (SANS) and International (BS/EN) standards	Recommended Tablet sizes and number of Nanopure tablets 3.25g = 1250ppm / 6g = 2500ppm				
	ppm (Part per Million)	10 liters water	4 Liters	2 liters water	1 liters water
Cloths and Mops overnight soak	100 / 200	1 x 3.25g / 1 x 6g	1 x 3.25g		
Drains, Toilets, Sinks	625	5 x 3.25g / 2 x 6g	1 x 6g	1x 3.25g	
General High risk surface areas	1250	8 x 3.25g / 4 x 6g	2 x 6g	1 x 6g	1 x 3.25g
Non-metallic Medical, Veterinary appliances and laboratory Jars	2500	5 x 6g	8 x 3.25g / 4 x 6g	4 x 3.25g / 2 x 6g	2 x 3.25g / 1 x 6g
Body fluid spills / blood and conditions of heavy soiling	10000	40 x 6g	16 x 6g	8 x 6g	8 x 3.25g / 4 x 6g

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.

Skin Contact: No known side effects.

Eye Contact: No Known side effects.

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

Personal Protection in First Aid and Measures: No personal protective equipment is required under normal conditions. Safety first standard PPE to be used glove, apron, mask.

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.



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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 (vapour, mist, spray). People that have a Chlorine allergy to take precaution.

Environmental Precautions: Non-Hazardous 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 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 Non-Hazardous.

Precautions for Safe Handling: No special transport or handling is needed. Suitable precautions such as local/total ventilation and prevention of aerosol and dust.

Conditions for Safe Storage, Including Any Incompatibilities:

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

Incompatible Materials: Refer to Section 10.

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 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. Safety first minimum requirements gloves, protective clothing, protective goggles were possible.

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.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties:

Physical State: Tablet.

Appearance: White.

Odour: Slight to medium chlorine odour.

pH 6.5 / 7 when mixed with water.

Evaporation Rate: Comparable to water.

Melting Point: NA.

Freezing Point Not available.

Boiling Point: When mixed 100°C.

Flash Point: NA (Non – flammable).

Decomposition Temperature: Begin to lose 1 mole water at approximately 50°C; second mole water at 95°C; decomposes at 240-250° (When mixed).

Water Solubility: 25 g/100ml (30° C).

Vapour pressure Not Determined.

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: Organic materials, reducing agents, nitrogen containing materials, oxidizers, acids, bases, oils, grease, sawdust,

Hazardous Decomposition Products: Nitrogen trichloride, chlorine, carbon monoxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects – Product when diluted:

Acute Toxicity (Oral): Non-toxic if swallowed.

Acute Toxicity (Dermal): Non-toxic on contact with skin.

Acute Toxicity (Inhalation): In accordance with OSHA regulations for spraying applications may require worker to use respiratory protection, for chlorine vapours.

Skin Corrosion/Irritation: Not irritating to skin if any irritation occurs, wash affected area with water.

Serious Eye Damage/Irritation: Not irritating to eyes, if irritation occurs, flush eyes with water.

Carcinogenicity: Not classified.

Specific Target Organ Toxicity (Repeated Exposure): Not classified.

Reproductive Toxicity: Not classified.

Specific Target Organ Toxicity (Single Exposure): None.

Chronic Symptoms: None expected under normal conditions of use.

Information on Toxicological Effects - Ingredient(s):

Research documentation can be supplied on request – Not for Human consumption higher than 5ppm.



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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.

Ecology - Waste Materials: Nanopure is non-toxic.

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 Compliance)

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 51650	EN 1650 Log 4= 99.99%
SANS 53624	EN 13624 Log 4 = 99.99%

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SANS 53704	EN 13704 Log 3 = 99.9%
SANS 1828 – Effect on corrosion resistant steel and other food contact surfaces. Non-Toxic and not corrosive Intertek Certification	
SANS 5763 (swab Test at 7 days	99.999%

SECTION 16: OTHER INFORMATION

Date of Preparation or Latest Revision 30/05/2022

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.

Disclaimer:

The information provided in this Safety Data Sheet (“SDS”) is correct to the best of our knowledge, information and belief at the date of publication. The information in this SDS relates only to the specific Product identified under Section 1, and discloses the physical and health hazards of all hazardous chemicals contained in the Product described in this MSDS, but unless otherwise noted, does NOT describe or disclose ALL of the chemicals/components in the Product, some of which may be Trade Secrets.

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Anyone intending to use the Product described in this MSDS should satisfy himself that the Product (1) is suitable for their particular purposes and intended uses, and (2) meets any safety and health standards applicable thereto. It is the obligation of each user of the Product described in this MSDS to determine and comply with the requirements of all statutes – local, state and federal – applicable to its use, storage and disposal.