



MATERIAL SAFETY DATA SHEET

Doc. ID: CNGS-0000-MSDS

Revised (M/D/Y): 01/13/2018

1. Identification of Substance and Company	
Product Name	CleanNGS™
Catalog Number	CNGS-0005; CNGS-0050; CNGS-0500
Product Use	For Research Use Only. See product literature for details.
Manufacturer	GC biotech BV Coenecoop 75 2741 PH Waddinxveen The Netherlands Tel: +31 (0) 182 22 33 00 Email: info@gcbiotech.com or info@cleanna.com

2. Chemical Composition	
Hazardous Ingredients	None

3. Hazards Identification	
Emergency Overview	Brown; Clear with brown precipitate; Liquid; Odorless Nonflammable aqueous solution. Does not meet EU, OSHA or WHMIS criteria for hazardous materials.
Physical Hazards	None
Potential Health Effects Summary	This product does not meet EU, OSHA or WHMIS criteria for hazardous materials.
Potential Environmental Effects	Not available
Product Hazard Classifications	Meets Hazardous Criteria for Preparation/Mixture EU: Not applicable WHMIS: Not applicable US OSHA: Not applicable

4. First-Aid Measures	
Eye Contact	If product enters eyes, wash eyes gently under running water for 15 minutes or longer, making sure the eyelids are held open. If pain or irritation occurs, obtain medical attention.
Ingestion	If ingested, wash mouth out with water. If irritation or discomfort occurs, seek medical attention.
Inhalation	If powder is inhaled, move exposed individual to fresh air. If individual is not breathing, begin artificial respiration immediately and obtain medical attention.
Skin Contact	In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. If pain or irritation occur, obtain medical attention.

5. Fire Fighting Measures	
Flammable Properties	Nonflammable aqueous solution.
Extinguishing Media	Use extinguishing media suitable for surrounding fire.
Special Fire and Explosion	No special hazards determined.
Hazardous Combustion Products	No combustion products posing significant hazards are expected from this product (an aqueous solution).
Protective Equipment for Firefighters	Self-contained breathing apparatus is recommended for firefighters in all chemical fire situations.

6. Accidental Release Measures

Personal Precautions	Use good laboratory procedures; avoid eye and skin contact.
Spill and Leak Procedures	Absorb spilled material with an appropriate inert, non-flammable absorbent and dispose according to local regulations.
Environmental Precautions	Contain spill to prevent migration.

7. Handling and Storage

Handling Precautions	Use good laboratory procedures; avoid eye and skin contact.
Recommended Storage Conditions	Keep away from incompatible material (see section 10) To maintain efficacy, store according to the instructions in the product labeling.

8. Exposure Controls and Personal Protection

Exposure Limits	
US OSHA	None established
ACGIH	None established
DFG MAK:	None established
NIOSH	None established
Japan	None established
Engineering Controls	No special engineering controls are required. Use with good general ventilation.
Respiratory Protection	Under normal conditions, the use of this product should not require respiratory protection. If aerosols are generated during use, the use of respiratory protection should be evaluated by a qualified professional.
Eye Protection	Safety glasses or chemical goggles should be worn to prevent eye contact. Refer U.S. OSHA 29 CFR 1910.133, European Standard EN166 or appropriate government standards.
Skin Protection	Impervious gloves, such as Nitrile or equivalent, should be worn to prevent skin contact. Refer U.S. OSHA 29 CFR 1910.138, European Standard EN374 or appropriate government standards.

9. Physical and Chemical Properties

Physical State	Liquid
Color	Brown
Transparency	Clear with brown precipitate
Odor	Odorless
Odor Threshold	Not applicable
pH	Not available
Freezing Point	Not available
Boiling Point	Not available
Flash Point	Not applicable
Evaporation Rate	Not available
Flammable (Solid, Gas)	Not applicable
Flammable Limits	Not available
Vapor Pressure	Not available
Vapor Density	Not available
Specific Gravity	1.12
Solubility	
Water	Miscible
Organic	Not available
Coefficient of Water / Oil Distribution	Not available
Auto ignition Temperature	Not applicable
Decomposition Temperature	Not available
Percent Volatiles	Not applicable

10. Stability and Reactivity	
Stability	Stable under normal temperatures and pressures.
Hazardous Incompatibilities	Strong acids Strong Bases Strong oxidizers Metals and metallic compounds Sodium azide forms explosive compounds with heavy metals. This product contains concentrations of azide <0,1% (w/w) which with repeated contact with lead and copper commonly found in plumbing drains may result in buildup of shock sensitive compounds.
Hazardous Decomposition Products	When stored as labeled, no known hazardous decomposition products are formed during the shelf-life of this product.
Conditions to Avoid	Avoid contact with incompatible materials.

11. Toxicological Information	
Toxicity Data for Hazardous Ingredients	Not applicable
Primary Routes of Exposure	The most likely routes of exposure are skin and eye contact. Inhalation may occur if mists are formed in product use.
Potential Effects of Acute Exposure	None identified.
Potential Effects of Chronic Exposure	None identified.
Symptoms of Overexposure	None identified.
Carcinogenicity	No ingredients in this product are listed as carcinogens by ACGIH, IARC, NTP, OSHA or 67/548/EEC Annex I.
Other Effects	None identified.
Conditions Aggravated by Exposure	None identified.

12. Ecological Information	
Eco toxicity	No information available.
Biodegradability	No information available.
Bioaccumulation	No information available.
Mobility	No information available.
Other Adverse Effects	No information available.

13. Disposal Considerations	
Waste Disposal	Dispose of waste product, unused product and contaminated packaging in compliance with federal, state and local regulations. If unsure of the appropriate requirements, contact the authorities for information. Sodium Azide preservative may form explosive compounds in metal drain lines. See NIOSH Bulletin: Explosive Azide Hazard (8/16/76).

14. Transport Information	
Transportation of this product is not regulated under ICAO, IMDG, US DOT, European ADR or Canadian TDG.	

15. Regulatory Information	
US Federal and State Regulations	
SARA 313	Sodium Azide is subject to reporting requirements of Section 313, Title III of SARA.
CERCLA RG's, 40 CFR 302.4	Sodium Azide is listed.
California Proposition 65	No ingredients listed.
Massachusetts MSL	Sodium Azide is listed.
New Jersey Dept. of Health RTK List	Sodium Azide is listed.
Pennsylvania RTK	Sodium Azide is listed.
EU labeling Classification	
Preparation not classified	
Canada	
This product does not meet WHMIS criteria for hazardous materials	
PIN: Not applicable	
Ingredients on Ingredient Disclosure List:	Sodium Azide
Ingredients with unknown toxicological properties:	None
Some hazardous ingredients listed in Section 15 are below OSHAs and WHMIS' 1.0% w/w (0.1% for carcinogens) or EU's ingredient specific concentrations required for reporting in Section 3.	

16. Other Information		
GC biotech BV Safety Rating	Flammability (Section V): 0 Health (Section XI): 1 Reactivity with Water (Section X): 0 Contact (Section VII): 1	Code 0 = none 1 = slight 2 = caution 3 = severe
Revision Changes: none This SDS complies with EC Regulation 1907/2006 (REACH)		
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