

1 Product and company identification

Product name: NeoColumn
 Synonyms: None
 Product number: N-1002
 Manufacturer and supplier of the SDS: Microbiologique, Inc.
 8315 Lake City Way
 Seattle, WA 98115
 USA
 Emergency Phone: Chemtrec 1-800-424-9300
 Product Info calls: 1-206-525-0412
 Recommended use: Laboratory use only

2 Hazards identification

2.1 This product is not classified for physical or health hazards under the GHS in accordance with 29 CFR 1910 (OSHA HCS).

2.2 Label Elements:

Hazard pictogram	Not classified
Signal Word	Not classified
Hazard Statements	Not classified
Precautionary Statements	Not classified
Aggravated medical condition	None known
Symptoms of overexposure	None known
Carcinogenicity	Not a known carcinogen
Hazards not otherwise classified (HNOC)	Not classified

3 Composition/Information on ingredients

Substance/Mixture: Mixture

Hazardous ingredients:

Component	Concentration Range (% w/w)
Component 1	25 %
Component 2	≤ 0.5 %
Component 3	≤ 0.1 %
Component 4	≤ 0.1 %
Component 5	≤ 0.05 %
Component 6	≤ 0.05 %
Water	≥ 74% %

4 First-aid measures

In case of accidental contact with the mixture, follow first-aid procedures below:

Skin	Wash with soap and water. If skin irritation or allergic reaction consult a medical professional.
Eyes	Flush eyes with water for at least 15 minutes with eyelids separated and call a physician.
Inhalation	If person is unconscious seek emergency medical attention immediately, if person is conscious remove to fresh air and call a physician.
Ingestion	If person is unconscious seek emergency medical attention immediately; never give anything by mouth to an unconscious person. If the person is conscious wash mouth out with water and call a physician then administer water. Do not induce vomiting unless directed to do so by a physician.

Most important symptoms and effects, both acute and delayed: Rash, swelling, or irritation in the respiratory tract.

Notes to medical caregiver: Treat symptomatically

NOTE: Show this SDS to attending medical caregiver

5 Fire-fighting measures

Flammable properties:	No data available
Suitable extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or CO2.
Specific hazards during firefighting:	Product contains a skin irritant in liquid form.
Hazardous combustion products:	No data available
Special firefighting procedures:	Wear self-contained breathing apparatus and protective clothing to prevent inhalation, ingestion, skin and eye contact.

6 Accidental release measures

Personal precautions, protection, and emergency measures	Wear protective equipment in accordance with good industrial hygiene, making sure all exposure routes are protected. In the event of contact wash exposed area thoroughly and contact medical personnel. Contaminated clothing should be washed separately.
Environmental precautions and cleaning up	Avoid breathing vapors, mist or gas. Soak with absorbent materials and dispose of in appropriate waste receptacle.

7 Handling and storage

Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.
Conditions for safe storage	Store at 2-30 °C
Specific end-use	Laboratory use only.

8 Exposure controls/personal protection

Ingredients with workplace control parameters	Component	ACGHIH TLV	OSHA PEL	NIOSH IDLH
	5	Ceiling 0.29 mg/m ³ Ceiling 0.11 ppm	(Vacated) Ceiling 0.1 ppm (Vacated) Ceiling 0.3 mg/m ³	Ceiling 0.1 ppm Ceiling 0.3 mg/mm ³

Exposure Controls:

- **Personal protective equipment**
 - Appropriate engineering controls:** Showers
Eyewash stations
Ventilation systems
 - Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described in 29 CFR 1910.133 or EN166.
 - Hands:** Wear appropriate protective gloves to prevent skin exposure. The type of gloves would depend on the material and other quality features such as permeability and breakthrough times, and requirements such as duration of contact and mechanical strain.
 - Skin and body:** Wear appropriate protective clothing (lab coat) to prevent skin exposure.
- **Ventilation**

Good general ventilation should be sufficient. Use good laboratory techniques to avoid aerosol formation.
- **Respiratory protection**

Respiratory protection is not required under normal conditions of use.

9 Physical and chemical properties

Property	Data
Appearance	Solid containing liquid
Color	Clear, colorless
Odor	None
Water solubility	Soluble in water
Volatility	No data available
pH	7.2 ± 0.2
Melting point/range	No data available
Boiling point/boiling range	No data available
Flash point	No data available
Upper/lower flammability or explosive limits	No data available
Vapor density	No data available
Relative density	No data available
Melting point/freezing point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Partition coefficient	No data available
n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition	No data available
Temperature	No data available
Viscosity	No data available

10 Stability and reactivity

Reactivity	No data available
Chemical stability	Stable under recommended storage conditions
Possibility of	None under normal processing
Hazardous	No data available
Conditions to avoid	No data available
Incompatibilities	No data available

11 Toxicological information

Product (based on known ATE of ingredients):

Acute oral toxicity	No data available
Acute inhalation toxicity	No data available
Acute dermal toxicity	No data available
Skin irritation	May cause skin irritation
Serious eye irritation/damage	No data available
Respiratory tract irritation	May cause respiratory tract irritation
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	Not a known carcinogen
Carcinogenicity	Not a known carcinogen
Reproductive toxicity	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration toxicity	No data available
Further information	No data available

Ingredient	Component 1
Acute oral toxicity	None detected.
Acute inhalation toxicity	None detected.
Acute dermal toxicity	None detected.
Skin Corrosion/Irritation	No data available.
Serious eye damage/eye irritation	No data available.
Respiratory tract irritation	No data available.
Respiratory or skin sensitization	No data available.
Germ cell mutagenicity	No data available.
Carcinogenicity	Not a known carcinogen.
Reproductive toxicity	No data available.
STOT-single exposure	No data available.
STOT-repeated exposure	No data available.
Aspiration hazard	No data available.
Further Information	Substance is not subject to general USA or EU classification guidelines for Hazardous Preparations. Substance does not produce harmful effects when used as directed and intended.

Ingredient	Component 2
Acute oral toxicity	No data available.
Acute inhalation toxicity	No data available.
Acute dermal toxicity	No data available.
Skin Corrosion/Irritation	No data available.
Serious eye damage/eye irritation	No data available.
Respiratory tract irritation	Irritating to respiratory system
Respiratory or skin sensitization	No data available.
Germ cell mutagenicity	No data available.
Carcinogenicity	Not a known carcinogen.
Reproductive toxicity	No data available.
STOT-single exposure	Respiratory system.
STOT-repeated exposure	None known.
Aspiration hazard	No data available.
Further Information	Toxicological properties have not been fully investigated.

Ingredient	Component 3
Acute oral toxicity	LD50 oral 862 mg/kg (rat)
Acute inhalation toxicity	No data available.
Acute dermal toxicity	LD50 dermal 2800 mg/kg (rabbit)
Skin Corrosion/Irritation	May cause skin corrosion.
Serious eye damage/eye irritation	May cause eye damage.
Respiratory tract irritation	No data available.
Respiratory or skin sensitization	May cause skin sensitization.
Germ cell mutagenicity	No data available.
Carcinogenicity	Not a known carcinogen.
Reproductive toxicity	No data available.
STOT-single exposure	No data available.
STOT-repeated exposure	No data available.
Aspiration hazard	No data available.
Further Information	Toxicological properties have not been fully investigated.

Ingredient

Acute oral toxicity
 Acute inhalation toxicity
 Acute dermal toxicity
 Skin Corrosion/Irritation
 Serious eye damage/eye irritation
 Respiratory tract irritation
 Respiratory or skin sensitization
 Germ cell mutagenicity
 Carcinogenicity
 Reproductive toxicity
 STOT-single exposure
 STOT-repeated exposure
 Aspiration hazard
 Further Information

Component 4

No data available.
 No data available.
 No data available.
 No data available.
 No data available.
 No data available.
 No data available.
 No data available.
 No data available.
 Not a known carcinogen.
 No data available.
 No data available.
 No data available.
 No data available.
 No data available.
 Toxicological properties have not been fully investigated.

Ingredient

Acute oral toxicity
 Acute inhalation toxicity
 Acute dermal toxicity
 Skin Corrosion/Irritation
 Serious eye damage/eye irritation
 Respiratory tract irritation
 Respiratory or skin sensitization
 Germ cell mutagenicity
 Carcinogenicity
 Reproductive toxicity
 STOT-single exposure
 STOT-repeated exposure
 Aspiration hazard
 Further Information

Component 5

LD50 oral 27 mg/kg (rat)
 No data available.
 LD50 dermal 20 mg/kg (rabbit)
 May cause irritation on all routes of exposure.
 May cause irritation on all routes of exposure.
 May cause irritation on all routes of exposure.
 No data available.
 No data available.
 Not a known carcinogen.
 No data available.
 None known.
 Central nervous system, Cardiovascular system, Liver-Kidney-Heart-Spleen damage.
 No data available.
 Tumorigenic effects have been reported in experimental animals.

Ingredient

Acute oral toxicity
 Acute inhalation toxicity
 Acute dermal toxicity
 Skin Corrosion/Irritation
 Serious eye damage/eye irritation
 Respiratory tract irritation
 Respiratory or skin sensitization
 Germ cell mutagenicity
 Carcinogenicity
 Reproductive toxicity
 STOT-single exposure
 STOT-repeated exposure
 Aspiration hazard
 Further Information

Component 6

LD50 oral 8290 mg/kg (rat)
 No data available.
 LD50 dermal > 7940 mg/kg (rabbit)
 No data available.
 No data available.
 No data available.
 No data available.
 No data available.
 No data available.
 Not a known carcinogen.
 No data available.
 None known.
 None known.
 No data available.
 Toxicological properties have not been fully investigated.

Ingredient	Water
Acute oral toxicity	LD ₅₀ oral >90 mL/kg (rat)
Acute inhalation toxicity	No data available
Acute dermal toxicity	No data available
Skin Corrosion/Irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory tract irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	This substance is not listed as a known carcinogen.
Reproductive toxicity	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	No data available
Further Information	No data available

12 Ecological information

Ecotoxicity Not classified.

Product toxicity to fish, algae and microorganisms

Ingredients

Component 1	Substance is not known to be hazardous in aqueous environments.
Component 2	No data available
Component 3	No data available
Component 4	No data available
Component 5	LC ₅₀ 0.7 mg/L 96H (Iepomis macrochirus) LC ₅₀ 5.46 mg/L 96H flow-through (Pimephales promelas) LC ₅₀ 0.8 mg/L 96H (Oncorhynchus mykiss)
Component 6	No data available

Persistence and degradability: Soluble in water so persistence is unlikely.

Bioaccumulative potential: No data available

Mobility in soil: Mobility likely due to solubility.

Other adverse effects: Do not empty into drains.

13 Disposal considerations

Disposal methods This material is hazardous waste according to US Federal Regulations (40 CFR 261).

Contaminated Packaging Dispose of contents/containers in accordance with local regulations.

US EPA Waste Information

Chemical Name	RCRA - P Series Wastes
Sodium azide 26628-22-8	P105

Other Regulations

Chemical Name	California Hazardous Waste
Sodium azide 26628-22-8	Ignitable Reactive

General Statement Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulators to ensure complete and accurate classification.

14 Transport information

DOT: Not regulated

IMO: Not regulated

IATA: Not regulated

15 Regulatory information

International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	IECSC	KECL
Sodium azide	x	x	--	247-852-1	--	--	x	x	x	x	x

US Federal Regulations

SARA 302 No chemical components of this product meet minimum reporting threshold values per 40 CFR 372.

SARA 313 No chemical components of this product meet minimum reporting threshold values per 40 CFR 372.

SARA 311/312 This product does not meet reporting criteria but does contain components that are classified as hazardous according to GHS guidelines and 29 CFR 1910.

Component	Hazard Information
Component 3	Acute health hazard Acute and Chronic Aquatic Toxicity
Component 5	Acute health hazard

CERCLA No chemical components of this product meet minimum reporting threshold values per 40 CFR 372.

US State Regulations

Right-to-Know Regulations

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Sodium azide	X	X	X	--	X

California Proposition 65 This product does not contain any chemicals listed in Proposition 65.

International Regulations

Canada - WHMIS Hazard Class Not determined

16 Other information

This is the first version of this document.

DISCLAIMER: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Microbiologique, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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