



Colitag™ Water Test System

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Issue date: 08-04-2025 Revision date: 11-11-2025 Supersedes: 09-30-2025 Version: 4.0

SECTION 1 Identification

1.1. GHS Product identifier

Product form : Mixture
Trade name : Colitag™ Water Test System
Type of product : Food Safety -- [Food Safety]
Product code : 9850

1.2. Other means of identification

Part Number(s) : 9850|9851|700002856|700002857

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Laboratory chemicals, Scientific research and development

1.4. Supplier's details

Manufacturer

Neogen Corporation
620 Leshner Place
Lansing, Michigan 48912
United States of America
T 800.234.5333

sds@neogen.com - <https://www.neogen.com/>

1.5. Emergency phone number

Emergency number : 24 hours:
Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international)
Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international)

SECTION 2 Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Not classified

2.2. GHS label elements, including precautionary statements

GHS CA labeling

No labeling applicable

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Ammonium sulfate	Ammonium sulfate actamaster / ammonium sulfate / ammonium sulfate(2:1) / ammonium sulphate / diammonium sulphate / dolamin / mascagnine / mascagnite / mascagnite, natural / sulfuric-acid-diammonium-salt-	CAS-No.: 7783-20-2	≥ 10 – < 15	Aquatic Acute 3, H402 Aquatic Chronic 3, H412

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L-Tryptophan	L- α -Aminoindole-3-propionic acid ; L-Tryptophan (-)-tryptophan / (S)-(-)-tryptophan / (S)-2-amino-3-(3-indolyl)propionic acid / (S)-2-amino-3-indol-3-yl-propionic acid / 1H-indole-3-alanine / 1H-indole-3-propanoic acid, alpha-amino-, (S)- / 2-amino-3-(3-indolyl)propionic acid,(S)- / 2-amino-3-indol-3-yl-propionic acid,(S)- / 3-(3-indolyl)-L-alanine / 3-indol-3-yl-alanine / Al3-18478 / alanine, 3-indol-3-yl- / alpha-amino-3-indolepropionic acid,L- / alpha-amino-beta-[indolyl-(3)]-propionic acid,L- / alpha-aminoindole-3-propionic acid,L- / beta-3-indolylalanine,L- / EH 121 / L-(-)-tryptophan / L-alpha-amino-3-indolepropionic acid / L-alpha-amino-beta-[indolyl-(3)]-propionic acid / L-alpha-aminoindole-3-propionic acid / L-beta-3-indolylalanine / L-trp / L-tryptophan / L-ttp / NSC 13119 / optimax / pacitron / propionic acid, (S)-2-amino-3-	CAS-No.: 73-22-3	$\geq 1 - < 5$	Aquatic Acute 3, H402 Aquatic Chronic 3, H412
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Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
	indol-3-yl- / TRP(=L-tryptophan) / trp,L- / tryptacin / tryptophan,(S)-(-)- / tryptophan,L- / tryptophan,L-(-)- / ttp,L-			
2-Nitrophenyl β-D galactopyranoside	-	CAS-No.: 369-07-3	≥ 1 – < 5	Acute Tox. 4 (Oral), H302 Aquatic Acute 3, H402

Full text of hazard classes and H-statements : see section 16

SECTION 4 First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center/doctor/physician if you feel unwell.
First-aid measures general	: If you feel unwell, seek medical advice.
Personal protection for first-aid responders.	: First aid workers will be equipped with suitable personal protective equipment.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation	: None under normal conditions. Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.
Symptoms/effects after skin contact	: None under normal conditions. Dust may cause irritation in skin folds or by contact in combination with tight clothing.
Symptoms/effects after eye contact	: None under normal conditions. Dust from this product may cause eye irritation.
Symptoms/effects after ingestion	: None under normal conditions.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment	: Treat symptomatically.
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SECTION 5 Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard	: No fire hazard.
Explosion hazard	: No direct explosion hazard.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

5.3. Special protective actions for fire-fighters

Firefighting instructions	: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
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Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.
Environmental precautions : Avoid release to the environment.

6.2. Methods and materials for containment and cleaning up

For containment : Using a clean shovel, put the material in a dry container and cover without compressing it.
Methods for cleaning up : Mechanically recover the product.
Other information : Dispose of materials or solid residues at an authorized site.
For further information refer to section 13.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.
Storage conditions : Keep cool. Protect from sunlight.
Storage temperature : 2 – 30 °C
Packaging materials : Always store product in container of same material as original container.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

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Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Color	: Beige Yellow
Odor	: Characteristic
Odor threshold	: No data available
pH	: 6.8 – 7
Relative evaporation rate (butyl acetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: Not applicable
Explosion limits	: Not applicable
Particle characteristics	: No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Incompatible materials	: No additional information available
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hardening time:	: No additional information available

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SECTION 11 Toxicological information

11.1. Likely routes of exposure

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

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Unknown acute toxicity (GHS CA)	21.34% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 34.35% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 34.35% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))
Ammonium sulfate (7783-20-2)	
LD50 oral rat	4250 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 7 day(s))
LD50 dermal rat	> 2000 mg/kg body weight (OECD 434: Acute Dermal Toxicity - Fixed Dose Procedure, Rat, Male / female, Experimental value, Dermal, 14 day(s))
ATE CA (oral)	4250 mg/kg body weight
L-Tryptophan (73-22-3)	
LD50 oral rat	> 16000 mg/kg Source: Corporate Solution From Thomson Micromedex
LC50 Inhalation - Rat	> 5.17 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation))
2-Nitrophenyl β-D galactopyranoside (369-07-3)	
ATE CA (oral)	500 mg/kg body weight
Skin corrosion/irritation	: Not classified. pH: 6.8 – 7
Ammonium sulfate (7783-20-2)	
pH	5.5 (1.3 %)
L-Tryptophan (73-22-3)	
pH	5 – 7 (1 %)
Serious eye damage/irritation	: Not classified pH: 6.8 – 7
Ammonium sulfate (7783-20-2)	
pH	5.5 (1.3 %)
L-Tryptophan (73-22-3)	
pH	5 – 7 (1 %)
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Ammonium sulfate (7783-20-2)	
NOAEL (chronic,oral,animal/male,2 years)	256 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
NOAEL (chronic,oral,animal/female,2 years)	284 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

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Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

L-Tryptophan (73-22-3)

NOAEL (oral, rat, 90 days)	3764 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)
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Aspiration hazard	: Not classified
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Viscosity, kinematic	Not applicable
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Ammonium sulfate (7783-20-2)

Viscosity, kinematic	Not applicable (solid)
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Symptoms/effects after inhalation	: None under normal conditions. Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.
Symptoms/effects after skin contact	: None under normal conditions. Dust may cause irritation in skin folds or by contact in combination with tight clothing.
Symptoms/effects after eye contact	: None under normal conditions. Dust from this product may cause eye irritation.
Symptoms/effects after ingestion	: None under normal conditions.

SECTION 12 Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified.
Hazardous to the aquatic environment, long-term (chronic)	: Not classified.

Ammonium sulfate (7783-20-2)

LC50 - Fish [1]	53 mg/l (96 h, Oncorhynchus mykiss, Fresh water)
LC50 - Fish [2]	57.2 mg/l Test organisms (species): Prosopium williamsoni
EC50 - Crustacea [1]	169 mg/l (48 h, Daphnia magna, Static system, Fresh water)
EC50 - Other aquatic organisms [1]	121.7 mg/l Test organisms (species): other:

L-Tryptophan (73-22-3)

LC50 - Fish [1]	64702.375 mg/l Source: Ecological Structure Activity Relationships
EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 84.8 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 96h - Algae [1]	1957.042 mg/l Source: Ecological Structure Activity Relationships

12.2. Persistence and degradability

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Persistence and degradability	Not rapidly degradable
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Ammonium sulfate (7783-20-2)	
Persistence and degradability	Biodegradability in water: no data available.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)
L-Tryptophan (73-22-3)	
Persistence and degradability	Biodegradability in water: no data available.
2-Nitrophenyl β-D galactopyronoside (369-07-3)	
Persistence and degradability	Not rapidly degradable

12.3. Bioaccumulative potential

Ammonium sulfate (7783-20-2)	
Bioaccumulative potential	Not bioaccumulative.
Partition coefficient n-octanol/water (Log Pow)	-5.1 (Experimental value, Equivalent or similar to OECD 107, 25 °C)
L-Tryptophan (73-22-3)	
Bioaccumulative potential	No bioaccumulation data available.
Partition coefficient n-octanol/water (Log Pow)	-1.06 Source: ChemIDplus

12.4. Mobility in soil

Ammonium sulfate (7783-20-2)	
Ecology - soil	Adsorption to soil is possible.

12.5. Other adverse effects

Ozone : Not classified

Fluorinated greenhouse gases : No

SECTION 13 Disposal considerations

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Comply with applicable regulations for solid waste disposal. Disposal must be done according to official regulations.
Additional information	: Do not re-use empty containers.

SECTION 14 Transport information

In accordance with TDG / DOT / IMDG / IATA

TDG	DOT	IMDG	IATA
14.1. UN Number			
Not regulated for transport			
14.2. UN Proper Shipping Name			
Not regulated	Not regulated	Not regulated	Not regulated

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TDG	DOT	IMDG	IATA
14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group, if applicable			
Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			

14.6. Special precautions for user

TDG

Not regulated

DOT

Not regulated

IMDG

Not regulated

IATA

Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/78⁹ and the IBC Code¹⁰

Not applicable

SECTION 15 Regulatory information

Ammonium sulfate (7783-20-2)

Listed on the Canadian DSL (Domestic Substances List)

L-Tryptophan (73-22-3)

Listed on the Canadian DSL (Domestic Substances List)

Canada DSL & NDSL Flags

Significant New Activity (SNAc) provisions of the Act apply

2-Nitrophenyl β-D galactopyranoside (369-07-3)

Listed on the Canadian DSL (Domestic Substances List)

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Not listed on the United States TSCA (Toxic Substances Control Act) inventory

Ammonium sulfate (7783-20-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on INSQ (Mexican National Inventory of Chemical Substances)

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L-Tryptophan (73-22-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

2-Nitrophenyl β -D galactopyranoside (369-07-3)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

SECTION 16 Other Information

Issue date : 08-04-2025
Revision date : 11-11-2025
Supersedes : 09-30-2025

Full text of hazard classes and H-statements:

H302	Harmful if swallowed
H402	Harmful to aquatic life
H412	Harmful to aquatic life with long lasting effects

Safety Data Sheet (SDS), Canada

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.