

Quick Coomassie Stain

#Cat: NB-45-00078

Version 8.0

Revision: 04-12-2024

Section 1. Identification Of The Substance/Mixture And Of The Company / Undertaking

1.1 Product identifier

Trade name: Quick Coomassie Stain
Product no.: NB-45-00078
CAS number: /
EC number: A registration number is not available for this substance as the substance or its uses are exempted from registration or the annual tonnage does not require a registration.
REACH No.

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Product use: For laboratory research purposes only. Not for human or household uses.

1.3 Details of the Supplier of the safety data sheet:

Company: Neo Biotech
Manufacturer 74, rue des Suisses
92000 Nanterre - France
Tel.: +33 9 77 40 09 09
Fax: +33 9 77 40 10 11
Email: info@neo-biotech.com

Company: CLINISCIENCES
Distributor 74 Rue des Suisses, 92000 Nanterre
France
Tel: +33 9 77 40 09 09
E-mail: tech@neo-biotech.com

1.4 Emergency telephone number:

European (EU) emergency number: 112
American (USA) emergency number: 911
CHEMTREC emergency number: North America +1-800-424-9300 (toll free)
Asia emergency number: 110
Australia emergency number: 000
All numbers are available 24/7/365

Section 2. Hazards Identification

2.1 Classification of the substance or mixture according to CLP no. 1272/2008.

Serious eye damage (Category 1), H318

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 Label elements CLP no. 1272/2008:

Signal Word: Danger



Hazard statement(s)

H318 Causes serious eye damage.

Precautionary statement(s)

P280 Wear eye protection/ face protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard Statements

None

2.3 Other Hazards.

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Section 3. Composition/Information On Ingredients

3.1 Substances:

This product is a mixture.

3.2 Mixture:

Component		Classification	Concentration
Tartaric acid			
CAS-No.	87-69-4	Eye Dam. 1; H318	>= 10 - < 20%
EC-No.	201-766-0		
Registration number	01-2119537204-47-XXXX		
α -cyclodextrin			
CAS-No.	10016-20-3	Eye Irrit. 2; H319	>= 1 - < 10%
EC-No	233-007-4 *		
ethanol			
CAS-No.	64-17-5	Flam. Liq. 2; Eye Irrit. 2; H225, H319 Concentration limits: >= 50 %: Eye Irrit. 2A, H319;	>= 1 - < 10%
EC-No.	200-578-6		
Index-No.	603-002-00-5		
Registration number	01-2119457610-43-XXXX		

3.3 Additional information:

See full text of H-phrases in section 16. Occupational limits are listed in section 8, if these are available.

Section 4. First Aid Measures

4.1 Description of first aid measures:

- General information:** If any doubt or if symptoms persist, seek medical attention.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- Skin contact:** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.
- Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- Ingestion:** After swallowing, immediately make victim drink water (two glasses at most). Rinse mouth. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed:

Potential acute health effects

/

Over-exposure signs/symptoms

/

4.3 Indication of any immediate medical attention and special treatment needed:

Treat symptomatically. If in contact with doctor, bring this safety data sheet with you.

Section 5. Fire Fighting Measures

5.1 Extinguishing media:

Water Foam Carbon dioxide (CO₂) Dry powder

Unsuitable extinguishing media:

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5.2 Special hazards arising from the substance or mixture:

Development of hazardous combustion gases or vapors possible in the event of fire.

5.3 Advice for firefighters:

Wear self-contained breathing apparatus if possible.

Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.

6.2 Environmental precautions:

Prevent product from entering drains.

6.3 Methods and material for containment and cleaning up:

Dispose of properly. Clean up affected area. Take up with liquid-absorbent material (e.g. Chemizorb®). Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulation.

6.4 Reference to other sections:

See section 8 and 13 for further information.

Section 7. Handling And Storage

7.1 Precautions for safe handling:

Handling is performed in a well-ventilated place. Wear suitable protective equipment. Prevent dispersion of dust. Wash hands and face thoroughly after handling. Use a local exhaust if dust or aerosol will be generated. Avoid contact with skin, eyes and clothing.

7.2 Conditions for safe storage, including any incompatibilities:

Tightly closed. Dry.

See product label for recommended storage temperature.

Storage class

Storage class (TRGS 510): 10: Combustible liquids

7.3 Specific end use(s):

Keep away from heat sources. Keep container tightly closed when not in use.

Section 8. Exposure Controls/Personal Protection

8.1 Control parameters

National limit values

Component	CAS-No.	Control parameters	Value	Basis
ethanol	64-17-5	TWA	1,000 ppm 1,920 mg/m ³	UK. EH40 WEL - Workplace Exposure Limits

Occupational exposure limit values (Workplace Exposure Limits)

This information is not available.

DNEL / PNEC:

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8.2 Exposure controls

Appropriate engineering controls:

Follow safe industrial engineering/laboratory practices when handling any chemical. Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety shower and eye bath.

Individual protection measures, such as personal protective equipment:

Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom. Avoid breathing vapor.

Respiratory Protection

Required when vapours/aerosols are generated.

Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Recommended Filter type: Filter type ABEK.

Hand Protection

Wear compatible chemical-resistant gloves to prevent skin exposure.

Eye Protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Tightly fitting safety goggles.

Body Protection

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: KCL 741 Dermatril® L

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

Advice on Safe Handling

Wear appropriate protective clothing to prevent exposure.

8.3 Measures to avoid environmental exposure:

Prevent product from entering drains.

Section 9. Physical And Chemical Properties

9.1 Information on basic physical and chemical properties:

Physical state: aqueous solution

Color: blue green

Odor: data not available

Molecular weight: data not available

Melting point/freezing point: 100 °C / data not available

Boiling point or initial boiling point and boiling range: data not available

Flammability: data not available

Lower and upper explosion limit: data not available

Flash point: data not available

Auto-ignition temperature: data not available

Decomposition temperature: data not available

pH (value): data not available

Kinematic viscosity: not relevant

Solubility(ies): data not available

Vapor pressure: data not available

Density: 1.06 g/cm³ at 25 °C

Relative vapor density information on this property is not available

Not classified as explosive

Oxidizing properties: none

9.2 Other information:

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Section 10. Stability And Reactivity

10.1 Reactivity:

No data available

10.2 Chemical stability:

The product is chemically stable under standard ambient conditions (room temperature).

10.3 Possibility of hazardous reactions:

Exothermic reaction with: strong oxidizing agents silver, hydrogen peroxide alkaline substances
with Risk of explosion with: silver salt

Risk of ignition or formation of inflammable gases or vapors with: Fluorine Violent reactions possible
with: the generally known reaction partners of water.

10.4 Conditions to avoid:

No information available

10.5 Incompatible materials:

There is no additional information.

10.6 Hazardous decomposition products:

In the event of fire: see section 5

Section 11. Toxicological Information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

Acute toxicity

Oral: mucosal irritations

Eyes: mixture causes serious eye damage.

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Mixture may cause seriously damaging to the eye or eye irritant.

Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

Symptoms related to the physical, chemical and toxicological characteristics

Components Tartaric acid

Acute toxicity

LD₅₀ Oral - Rat - female - > 2,000 - < 5,000 mg/kg (OECD Test Guideline 423)

Inhalation: No data available

LD₅₀ Dermal - Rat - male and female - > 2,000 mg/kg (OECD Test Guideline 402)

Skin corrosion/irritation

Skin - Rabbit

Result: No skin irritation - 4 h

(OECD Test Guideline 404)

Serious eye damage/eye irritation Eyes - In vitro study

Result: Irreversible effects on the eye (OECD Test Guideline 437)

Respiratory or skin sensitization Local lymph node assay (LLNA) - Mouse

Result: Not a skin sensitizer.

(OECD Test Guideline 429)

Germ cell mutagenicity

Method: OECD Test Guideline 478

Species: Rat - male and female

Result: negative

Method: OECD Test Guideline 475

Species: Rat - male - Bone marrow

Result: negative Carcinogenicity

No data available

Reproductive toxicity No data available

Specific target organ toxicity - single exposure No data available

Specific target organ toxicity - repeated exposure No data available

Aspiration hazard No data available

α -cyclodextrin

Acute toxicity

LD50 Oral - Rat - > 10,000 mg/kg Remarks: (External MSDS)

Inhalation: No data available

Dermal: No data available

Skin corrosion/irritation Skin - Rabbit

Result: No skin irritation

Remarks: (External MSDS)

Serious eye damage/eye irritation

Eyes - Rabbit

Result: Eye irritation

Remarks: (External MSDS)

Respiratory or skin sensitization

Sensitisation test: - Guinea pig

Result: negative

Remarks: (External MSDS)

Germ cell mutagenicity

Test Type: Mutagenicity (mammal cell test): micronucleus.

Result: negative

Remarks: (External MSDS)

Test Type: Ames test

Test system: Salmonella typhimurium

Result: negative Remarks: (External MSDS)

Carcinogenicity No data available

Reproductive toxicity No data available

Specific target organ toxicity - single exposure No data available

Specific target organ toxicity - repeated exposure No data available

Aspiration hazard No data available

Ethanol

Acute toxicity

LD₅₀ Oral - Rat - male and female - 10,470 mg/kg (OECD Test Guideline 401)

LC₅₀ Inhalation - Rat - male and female - 4 h - 124.7 mg/l - vapor (OECD Test Guideline 403)

Dermal: No data available

Skin corrosion/irritation Skin - Rabbit

Result: No skin irritation - 24 h (OECD Test Guideline 404) Serious eye damage/eye irritation

Eyes - Rabbit

Result: Causes serious eye irritation. (OECD Test Guideline 405) Respiratory or skin sensitization

Maximization Test - Guinea pig Result: negative (OECD Test Guideline 406)

Remarks: (in analogy to similar products)

The value is given in analogy to the following substances: Methanol Germ cell mutagenicity

Test Type: Ames test

Test system: *Salmonella typhimurium*

Result: negative

Test Type: In vitro mammalian cell gene mutation test

Test system: mouse lymphoma cells

Result: negative

Method: OECD Test Guideline 478

Species: Mouse - male

Result: Positive results were obtained in some in vivo tests.

Carcinogenicity No data available

Reproductive toxicity No data available

Specific target organ toxicity - single exposure No data available

Specific target organ toxicity - repeated exposure Aspiration hazard No data available

11.2 Additional information:

Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Other information

There is no additional information.

Section 12. Ecological Information

12.1 Toxicity:

No data available

12.2 Persistence and degradability:

No data.

12.3 Bioaccumulative potential:

No data.

12.4 Mobility in soil:

No data.

12.5 Result of PBT and vPvB assessment:

No CPSR are created.

12.6 Endocrine disrupting properties:

12.7 Other adverse effects:

Components Tartaric acid

Toxicity to fish static test LC₅₀ - *Danio rerio* (zebra fish) - > 100 mg/l - 96 h (OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates

static test EC₅₀ - *Daphnia magna* (Water flea) - 93.3 mg/l - 48 h (OECD Test Guideline 202)

Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$.

Toxicity to algae: Static test EC₅₀ - *Pseudokirchneriella subcapitata* - 51.4 mg/l - 72 h (OECD Test Guideline 201)

Static test NOEC - *Pseudokirchneriella subcapitata* (green algae)- 3.125 mg/l - 72 h (OECD Test Guideline 201)

Toxicity to bacteria: Static test EC₅₀ - activated sludge - > 1,000 mg/l - 3 h (OECD Test Guideline 209)

α -cyclodextrin

No data available

Ethanol

Toxicity to fish flow-through test LC50 - *Pimephales promelas* (fathead minnow) - 15,300 mg/l - 96 h (US-EPA)

Toxicity to daphnia and other aquatic invertebrates: Static test LC50 - *Ceriodaphnia dubia* (water flea) - 5,012 mg/l - 48 h Remarks: (ECHA)

Toxicity to algae: Static test ErC50 - *Chlorella vulgaris* (Fresh water algae) - 275 mg/l - 72 h (OECD Test Guideline 201)

Toxicity to bacteria: Static test IC50 - activated sludge - > 1,000 mg/l - 3 h (OECD Test Guideline 209)

Toxicity to fish (Chronic toxicity) semi-static test NOEC - *Danio rerio* (zebra fish) - 250 mg/l - 120 h Remarks: (ECHA)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity): semi-static test NOEC - *Daphnia magna* (Water flea) - 9.6 mg/l - 9 d Remarks: (ECHA)

Section 13. Disposal Considerations

13.1 Waste treatment methods:

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself. See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

Contaminated packing:

Must be disposed of in accordance with local and national regulations.

Section 14. Transport Information

This product is not classified as dangerous to transport.

	ADR/RID	IMDG/IMO
14.1 UN number	-	-
14.2 UN proper shipping name	-	-
14.3 Transport hazard class(es)	-	-
14.4 Packing group	-	-
14.5 Environmental hazards - MP	No -	No -
Other information	LQ: - TUNNE: -	LQ: - TUNNEL: -

14.6 Special precautions for user:

-

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

-

Section 15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive (EC) No 1999/45 and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive (EEC) No 76/769 and Commission Directives (EEC) No 91/155, (EEC) No 93/67, (EC) No 93/105 and (EC) No 2000/21

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives (EEC) No 67/548 and (EC) No 1999/45, and amending Regulation (EC) No 1907/2006

COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

15.2 Chemical safety assessment:

Chemical safety assessments have not been performed for this product.

Section 16. Other Information

Abbreviations and Acronyms:

IATA: International Air Transport Association.

IMDG: International Maritime Dangerous Goods.

PBT: Persistent, Bioaccumulative and Toxic.

vPvB: very Persistent and very Bioaccumulative.

DNEL: Derived No Effect Level

PNEC: Predicted No Effect Concentration

Full text of H-phrases as mentioned in section 3:

H318 Causes serious eye damage.

Additional information:

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.

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Written by: Neo Biotech

EU Regulation updated by: CliniSciences