



Kit SDS Cover Sheet

Product Name: Symmetric TOTAL GREEN 0-30

Cat. Number: S3424/S3448

This is a test kit that is comprised of several individual components, listed below, each of which may have its own Safety Data Sheet (SDS). If a component does not have a Safety Data Sheet included, the item is an article which does not contain any substances of very high concern included on the Candidate List for inclusion in Annex XIV of the Regulation (EC) No 1907/2006, Article 31, with its amendment Regulation (EU) 2020/878 of the European Parliament and of the Council concerning Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH), Article 33, and does not require a Safety Data Sheet.

Kit Components:

- Sample Diluent Tubes
- High Range Solution
- Extraction Solution 10X
- Pots each with 1 strip of 8 reagent microwells and 8 dipsticks

For product information, visit the individual product page in our website: www.prognosis-biotech.com

For further information regarding this SDS, please contact info@prognosis-biotech.com.

Safety data sheet

according to 1907/2006/EC, Article 31, with its amendment Regulation (EU) 2020/878

Revision: 01.08.2023
Replaces version of: 05.04.2021

SAMPLE DILUENT TUBES

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: Sample Diluent Tube
Catalog number: SDTX000000

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

Application of the substance / the preparation: In vitro
Restrictions on Use: For research use only.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Prognosis Biotech
Farsalon 153
41335 Larissa, Greece
e-mail address: info@prognosis-biotech.com
telephone: +30 2410 623922
fax: +30 700 700 6262

1.4 Emergency telephone number: +30 2410 623922

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS07 warning

Eye Irrit. 2 H319 Causes serious eye irritation.
Skin Sens. 1A H317 May cause an allergic skin reaction.

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.

Hazard pictograms GHS07

Signal word Warning

Hazard statements

H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.

Precautionary statements

Prevention

P261 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash thoroughly after handling.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P363 - Wash contaminated clothing before reuse.

Precautionary statements

Response

P302+P352 - IF ON SKIN: wash with plenty of soap and water .
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 - IF SKIN irritation or rash occurs: Get medical advice/attention.
P321 - Specific treatment (see ... on this label).
P337+P313P - IF eye irritation persists: Get medical advice/attention.

Precautionary statements

Disposal

P501 - Dispose of contents/container to an approved hazardous/special waste disposal facility in accordance with local and national regulations

2.3 Other hazards

All chemicals are potentially dangerous. They should only be handled by specially trained personnel.

SECTION 3. Composition/information on ingredients

3.2 Chemical characterization: Mixtures

Description:

Concentrations listed are not product specifications.
Mixture: consisting of the following components.

Dangerous components:

Substance	CAS No.	EC No.	Classification	Specific Con. Limits	Amount
Proclin 300	55965-84-9	911-418-6	Skin Sens 1A: H317 Eye Irrit. 2: H319	Skin Sens. 1A, H317: C ≥ 0.0015% Eye Irrit.2, H319: C ≥ 0.0015%	≤0.05%

Additional information: For the wording of the listed risk phrases refer to section 16.

Safety data sheet

according to 1907/2006/EC, Article 31, with its amendment Regulation (EU) 2020/878

Revision: 01.08.2023
Replaces version of: 05.04.2021

SAMPLE DILUENT TUBES

SECTION 4. First aid measures

4.1 Description of first aid measures

General information: No special measures required.

After inhalation: Supply fresh air; consult doctor in case of breathing difficulty.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for at least 15 minutes under running water. Consult a physician if symptoms persist.

After swallowing: Drink water, if symptoms persist consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

After inhalation: May be toxic if inhaled. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.

After skin contact: May be toxic if absorbed through the skin. May cause irritation to skin.

After eye contact: May cause irritation to eyes.

After swallowing: May be toxic if swallowed. Ingestion may cause nausea and vomiting.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available

SECTION 5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture

In case of fire and/or explosion do not breathe fumes. Vapor may travel considerable distance to source of ignition and flash back. Heat will increase pressure in sealed containers.

5.3 Advice for firefighters

Protective equipment: Wear self-contained breathing apparatus. Flammable liquid and vapor. In case of fire and/or explosion do not breathe fumes.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid sparks, flames, heat and sources of ignition. Wear protective clothing. Ensure adequate ventilation. Avoid prolonged or repeated exposure.

6.2 Environmental precautions:

Prevent further spillage if safe. Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Clean spillage area thoroughly with plenty of water.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7. Handling and storage

7.1 Precautions for safe handling

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Store between 2 to 8 °C

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Contact with combustible material may cause fire.

7.3 Specific end use(s)

No further relevant information available.

Safety data sheet

according to 1907/2006/EC, Article 31, with its amendment Regulation (EU) 2020/878

Revision: 01.08.2023
Replaces version of: 05.04.2021

SAMPLE DILUENT TUBES

SECTION 8. Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Not required.

Protection of hands: Wear gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Eye protection: Safety glasses.

Skin protection: Protective clothing.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

- a) **Appearance:** Light yellow liquid
- b) **Odor:** Odorless
- c) **pH value:** No data available.
- d) **Melting point/Melting range:** Not applicable.
- e) **Boiling point/Boiling range:** Not applicable.
- f) **Flash point:** Not applicable.
- g) **Flammability (solid, gaseous):** Not applicable.
- h) **Ignition temperature:** Not applicable.
- i) **Self-igniting:** Not applicable.
- j) **Relative density:** Not applicable.
- k) **Vapor density:** Not applicable.
- l) **Evaporation rated:** Not determined.
- m) **Segregation coefficient (n-octanol/water):** Not applicable.
- n) **Solubility in water:** Fully miscible.
- o) **Viscosity:** Not determined.
- p) **Oxidizing properties:** Not applicable.
- q) **Solvent content:** **Organic solvents:** ≤0.05%
Water: >90%
Solids content: <10%

SECTION 10. Stability and reactivity

10.1 Reactivity

No further relevant information available.

10.2 Chemical stability:

The product is stable.
Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5 Incompatible materials

Contact with combustible material may cause fire. Keep away from oxidizing agents.

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Safety data sheet

according to 1907/2006/EC, Article 31, with its amendment Regulation (EU) 2020/878

Revision: 01.08.2023

Replaces version of: 05.04.2021

SAMPLE DILUENT TUBES

SECTION 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity: Not classified as acutely toxic by oral, dermal, or inhalation routes.

Primary irritant effect

Skin contact: May be irritative.

Eye contact: May be irritative to eyes.

Inhalation: No data available.

Ingestion: No data available.

11.2 Additional toxicological information

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

SECTION 12. Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability

No further relevant information available.

12.3 Bio-accumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and vPvB assessment

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

12.6 Other adverse effects

No further relevant information available.

SECTION 13. Disposal considerations

13.1 Waste treatment methods

Recommendation

Smaller quantities can be disposed of with household waste. Disposal must be made according to official regulations.

13.2 Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14. Transport information

14.1 UN-Number ADR, IMDG, IATA	Void
14.2 UN Proper shipping name ADR, IMDG, IATA	Void
14.3 Transport hazard class(es) ADR, IMDG, IATA	Void
14.4 Packing group	Void
14.5 Environmental hazards	Non-environmentally hazardous acc. to the dangerous goods regulations
14.6 Special precautions for user Danger code (Kemler): EMS Number: Stowage Category Stowage Code	Not applicable
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code	Not applicable
Transport/Additional information:	Not dangerous according to the above specifications.
UN "Model Regulation" :	Void

Safety data sheet

according to 1907/2006/EC, Article 31, with its amendment Regulation (EU) 2020/878

Revision: 01.08.2023
Replaces version of: 05.04.2021

SAMPLE DILUENT TUBES

SECTION 15. Regulatory information

15.1 Safety, health and environmental regulations

This data sheet complies with known regulatory requirements.

Water hazard class

Water hazard class 1 (Self-assessment): Slightly hazardous for water.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction

Department issuing MSDS: 0030 2410 623922

Contact: 0030 2410 623922

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Safety data sheet

according to 1907/2006/EC, Article 31, with its amendment Regulation (EU) 2020/878

Revision: 01.08.2023
Replaces version of: 05.04.2021

HIGH RANGE SOLUTION

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: High Range Solution
Catalog number: HRS000000

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

No further relevant information available.

Application of the substance / the preparation: In vitro

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Prognosis Biotech
Farsalon 153
41335 Larissa, Greece
e-mail address: info@prognosis-biotech.com
telephone: +30 2410 623922
fax: +30 700 700 6262

1.4 Emergency telephone number: +30 2410 623922

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS07 warning

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1A H317 May cause an allergic skin reaction.

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.

Hazard pictograms GHS07

Signal word Warning

Hazard statements

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

Precautionary statements

Prevention

P261 - Do not breathe dust/fume/gas/mist/vapors/spray.

P264 - Wash thoroughly after handling.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P363 - Wash contaminated clothing before reuse.

Precautionary statements

Response

P302+P352 - IF ON SKIN: wash with plenty of soap and water .

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

P333+P313 - IF SKIN irritation or rash occurs: Get medical advice/attention.

P321 - Specific treatment (see ... on this label).

P337+P313P - IF eye irritation persists: Get medical advice/attention.

Precautionary statements

Disposal

P501 - Dispose of contents/container to an approved hazardous/special waste disposal facility in accordance with local and national regulations

2.3 Other hazards

All chemicals are potentially dangerous. They should only be handled by specially trained personnel.

SECTION 3. Composition/information on ingredients

3.2 Chemical characterization: Mixtures

Description:

Concentrations listed are not product specifications.

Mixture: consisting of the following components.

Dangerous components:

Substance	CAS No.	EC No.	Classification	Specific Con. Limits	Amount
Proclin 300	55965-84-9	911-418-6	Skin Sens 1A: H317 Eye Irrit. 2: H319	Skin Sens. 1A, H317: C ≥ 0.0015% Eye Irrit.2, H319: C ≥ 0.0015%	≤0.05%

Additional information: For the wording of the listed risk phrases refer to section 16.

Safety data sheet

according to 1907/2006/EC, Article 31, with its amendment Regulation (EU) 2020/878

Revision: 01.08.2023
Replaces version of: 05.04.2021

HIGH RANGE SOLUTION

SECTION 4. First aid measures

4.1 Description of first aid measures

General information: No special measures required.

After inhalation: Supply fresh air; consult doctor in case of breathing difficulty.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for at least 15 minutes under running water. Consult a physician if symptoms persist.

After swallowing: Drink water, if symptoms persist consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

After inhalation: May be toxic if inhaled. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.

After skin contact: May be toxic if absorbed through the skin. May cause irritation to skin.

After eye contact: May cause irritation to eyes.

After swallowing: May be toxic if swallowed. Ingestion may cause nausea and vomiting.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment: Wear self-contained breathing apparatus.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid sparks, flames, heat and sources of ignition. Wear protective clothing. Ensure adequate ventilation. Avoid prolonged or repeated exposure.

6.2 Environmental precautions:

Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Clean spillage area thoroughly with plenty of water.

6.4 Reference to other sections

No dangerous substances are released.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7. Handling and storage

7.1 Precautions for safe handling

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Store between 2 to 8 °C

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None.

7.3 Specific end use(s) No further relevant information available.

SECTION 8. Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists valid during the making were used as basis.

(Contd. on page 9)

Safety data sheet

according to 1907/2006/EC, Article 31, with its amendment Regulation (EU) 2020/878

Revision: 01.08.2023
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HIGH RANGE SOLUTION

(Contd. of page 8)

8.2 Exposure controls**Personal protective equipment:**

General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Not required.

Protection of hands: Wear gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Eye protection: Safety glasses.

Skin protection: Protective clothing.

SECTION 9. Physical and chemical properties**9.1 Information on basic physical and chemical properties**

- a) **Appearance:** Light yellow liquid
- b) **Odor:** Odorless
- c) **pH value:** No data available.
- d) **Melting point/Melting range:** Not determined.
- e) **Boiling point/Boiling range:** Not determined.
- f) **Flash point:** Not applicable.
- g) **Flammability (solid, gaseous):** Not applicable.
- h) **Ignition temperature:** Not applicable.
- i) **Self-igniting:** Not applicable.
- j) **Relative density:** Not applicable.
- k) **Vapor density:** Not applicable.
- l) **Evaporation rated:** Not determined.
- m) **Segregation coefficient (n-octanol/water):** Not applicable.
- n) **Solubility in water:** Fully miscible.
- o) **Viscosity:** Not determined.
- p) **Oxidizing properties:** Not applicable.
- q) **Solvent content:** **Organic solvents:** ≤0.05 %
Water: >90.0%
Solids content: <10.0%

SECTION 10. Stability and reactivity**10.1 Reactivity**

No further relevant information available.

10.2 Chemical stability: The product is stable.

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. Toxicological information**11.1 Information on toxicological effects**

Acute toxicity: Not classified as acutely toxic by oral, dermal, or inhalation routes.

Primary irritant effect

Skin contact: No data available.

Eye contact: May be irritative to eyes.

Inhalation: No data available.

Ingestion: No data available.

11.2 Additional toxicological information

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

Safety data sheet

according to 1907/2006/EC, Article 31, with its amendment Regulation (EU) 2020/878

Revision: 01.08.2023

Replaces version of: 05.04.2021

HIGH RANGE SOLUTION

SECTION 12. Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability

No further relevant information available.

12.3 Bio-accumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and vPvB assessment

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

12.6 Other adverse effects

No further relevant information available.

SECTION 13. Disposal considerations

13.1 Waste treatment methods

Recommendation

Smaller quantities can be disposed of with household waste. Disposal must be made according to official regulations.

13.2 Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14. Transport information

14.1 UN-Number ADR, ADN, IMDG, IATA	Void
14.2 UN proper shipping name ADR, ADN, IMDG, IATA	Void
14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA Class	Void
14.4 Packing group ADR, IMDG, IATA	Void
14.5 Environmental hazards Marine pollutant:	No
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
14.8 Transport/Additional information: UN "Model Regulation":	Not dangerous according to the above specifications.

SECTION 15. Regulatory information

15.1 Safety, health and environmental regulations

This data sheet complies with known regulatory requirements.

Water hazard class

Water hazard class 1 (Self-assessment): Slightly hazardous for water.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

Safety data sheet

according to 1907/2006/EC, Article 31, with its amendment Regulation (EU) 2020/878

Revision: 01.08.2023
Replaces version of: 05.04.2021

HIGH RANGE SOLUTION

SECTION 16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction

Department issuing MSDS: 0030 2410 623922

Contact: 0030 2410 623922

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Safety data sheet

according to 1907/2006/EC, Article 31, with its amendment Regulation (EU) 2020/878

Revision: 01.08.2023
 Replaces version of: 05.04.2021

EXTRACTION SOLUTION 10X

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: Extraction Solution 10X
Catalog number: ES10X000000

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

No further relevant information available.

Application of the substance / the preparation: In vitro

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Prognosis Biotech
 Farsalon 153
 41335 Larissa, Greece
 e-mail address: info@prognosis-biotech.com
 telephone: +30 2410 623922
 fax: +30 700 700 6262

1.4 Emergency telephone number: +30 2410 623922

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS07 warning

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1A H317 May cause an allergic skin reaction.

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.

Hazard pictograms GHS07

Signal word Warning

Hazard statements

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

Precautionary statements

Prevention

P261 - Do not breathe dust/fume/gas/mist/vapors/spray.

P264 - Wash thoroughly after handling.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P363 - Wash contaminated clothing before reuse.

Precautionary statements

Response

P302+P352 - IF ON SKIN: wash with plenty of soap and water .

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

P333+P313 - IF SKIN irritation or rash occurs: Get medical advice/attention.

P321 - Specific treatment (see ... on this label).

P337+P313P - IF eye irritation persists: Get medical advice/attention.

Precautionary statements

Disposal

P501 - Dispose of contents/container to an approved hazardous/special waste disposal facility in accordance with local and national regulations

2.3 Other hazards

All chemicals are potentially dangerous. They should only be handled by specially trained personnel.

SECTION 3. Composition/information on ingredients

3.2 Chemical characterization: Mixtures

Description:

Concentrations listed are not product specifications.

Mixture: consisting of the following components.

Dangerous components:

Substance	CAS No.	EC No.	Classification	Specific Con. Limits	Amount
Proclin 300	55965-84-9	911-418-6	Skin Sens 1A: H317 Eye Irrit. 2: H319	Skin Sens. 1A, H317: C ≥ 0.0015% Eye Irrit.2, H319: C ≥ 0.0015%	≤0.05%

Additional information: For the wording of the listed risk phrases refer to section 16.

Safety data sheet

according to 1907/2006/EC, Article 31, with its amendment Regulation (EU) 2020/878

Revision: 01.08.2023
Replaces version of: 05.04.2021

EXTRACTION SOLUTION 10X

SECTION 4. First aid measures

4.1 Description of first aid measures

General information: No special measures required.

After inhalation: Supply fresh air; consult doctor in case of breathing difficulty.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for at least 15 minutes under running water. Consult a physician if symptoms persist.

After swallowing: Drink water, if symptoms persist consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

After inhalation: May be toxic if inhaled. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.

After skin contact: May be toxic if absorbed through the skin. May cause irritation to skin.

After eye contact: May cause irritation to eyes.

After swallowing: May be toxic if swallowed. Ingestion may cause nausea and vomiting.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment: Wear self-contained breathing apparatus.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid sparks, flames, heat and sources of ignition. Wear protective clothing. Ensure adequate ventilation. Avoid prolonged or repeated exposure.

6.2 Environmental precautions:

Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Clean spillage area thoroughly with plenty of water.

6.4 Reference to other sections

No dangerous substances are released.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7. Handling and storage

7.1 Precautions for safe handling

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Store between 20 to 25 °C

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None.

7.3 Specific end use(s) No further relevant information available.

SECTION 8. Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists valid during the making were used as basis.

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8.2 Exposure controls**Personal protective equipment:**

General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Not required.

Protection of hands: Wear gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Eye protection: Safety glasses.

Skin protection: Protective clothing.

SECTION 9. Physical and chemical properties**9.1 Information on basic physical and chemical properties**

- a) **Appearance:** Light yellow liquid
- b) **Odor:** Odorless
- c) **pH value:** No data available.
- d) **Melting point/Melting range:** Not determined.
- e) **Boiling point/Boiling range:** Not determined.
- f) **Flash point:** Not applicable.
- g) **Flammability (solid, gaseous):** Not applicable.
- h) **Ignition temperature:** Not applicable.
- i) **Self-igniting:** Not applicable.
- j) **Relative density:** Not applicable.
- k) **Vapor density:** Not applicable.
- l) **Evaporation rated:** Not determined.
- m) **Segregation coefficient (n-octanol/water):** Not applicable.
- n) **Solubility in water:** Fully miscible.
- o) **Viscosity:** Not determined.
- p) **Oxidizing properties:** Not applicable.
- q) **Solvent content:** **Organic solvents:** ≤0.05 %
Water: 80-90%
Solids content: 10-20%

SECTION 10. Stability and reactivity**10.1 Reactivity**

No further relevant information available.

10.2 Chemical stability: The product is stable.

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. Toxicological information**11.1 Information on toxicological effects**

Acute toxicity: Not classified as acutely toxic by oral, dermal, or inhalation routes.

Primary irritant effect

Skin contact: No data available.

Eye contact: May be irritative to eyes.

Inhalation: No data available.

Ingestion: No data available.

11.2 Additional toxicological information

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

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SECTION 12. Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability

No further relevant information available.

12.3 Bio-accumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and vPvB assessment

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

12.6 Other adverse effects

No further relevant information available.

SECTION 13. Disposal considerations

13.1 Waste treatment methods

Recommendation

Smaller quantities can be disposed of with household waste. Disposal must be made according to official regulations.

13.2 Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14. Transport information

14.1 UN-Number ADR, ADN, IMDG, IATA	Void
14.2 UN proper shipping name ADR, ADN, IMDG, IATA	Void
14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA Class	Void
14.4 Packing group ADR, IMDG, IATA	Void
14.5 Environmental hazards Marine pollutant:	No
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
14.8 Transport/Additional information: UN "Model Regulation":	Not dangerous according to the above specifications.

SECTION 15. Regulatory information

15.1 Safety, health and environmental regulations

This data sheet complies with known regulatory requirements.

Water hazard class

Water hazard class 1 (Self-assessment): Slightly hazardous for water.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

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SECTION 16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction

Department issuing MSDS: 0030 2410 623922

Contact: 0030 2410 623922

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative