



3914 DEL AMO BLVD.
SUITE 901
TORRANCE CA 90503
www.celprogen.com

Phone: 310 542 8822
Fax: 310 542 8028
Email: info@celprogen.com
Stemcells@celprogen.com

MATERIAL SAFETY DATA SHEET

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

Identification of the substance/ preparation

Product code 36058RNA
Product name Human Astrocyte Stem Cell Total RNA

Company/Undertaking Identification

Celprogen Inc.
3914 Del Amo Blvd.
Suite 901
Torrance, CA 90503
310 542 8822

24 hour Emergency Response: 310 542 8822

For Research use only. Not intended for humans.

2. Hazards Identification

GHS – Classification

Signal Word

Not hazardous

Health Hazard

Not hazardous

Physical Hazards

Not hazardous

Principle Routes of Exposure/

Potential Health effects

Eyes May cause eye irritation with susceptible persons.
Skin May cause skin irritation in susceptible persons.
Inhalation May be harmful by inhalation.
Ingestion May be harmful if swallowed.

Specific effects

Carcinogenic effects none
Mutagenic effects none
Reproductive toxicity none
Sensitization none



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Target Organ Effects No known effects under normal use conditions.

HMIS

Health: 0
Flammability: 0
Reactivity: 0

3. Composition/information on ingredients

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

4. First Aid Measures

| | |
|---------------------------|--|
| Skin contact | Rinse with plenty of water. If symptoms arise, call a physician. |
| Eye contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician. |
| Ingestion | Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice. |
| Inhalation | Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration. |
| Notes to physician | Treat symptomatically. |

5. Fire-fighting measures

| | |
|--|--|
| Suitable extinguishing media | Water spray. Carbon dioxide (CO2). Foam. Dry Chemical. |
| Special protective equipment for firefighters | Wear self-contained breathing apparatus and protective suit. |

6. Accidental release measures

| | |
|--------------------------------|--|
| Personal precautions | Use personal protective equipment. |
| Methods for cleaning up | Soak up with inert absorbent material. |

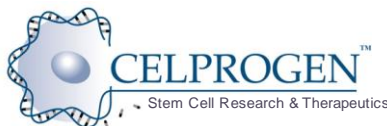
Environmental precautions

Prevent further leakage or spillage, if safe to do so.

See Section 12 for additional information.

7. Handling and storage

| | |
|-----------------|---|
| Handling | Always wear recommended Personal Protective Equipment. No special handling advice required. |
| Storage | Keep in a dry, cool and well-ventilated place. |



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8. Exposure controls/personal protection

Exposure limits

We are not aware of any national exposure limit.

Engineering measures

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection: Impervious gloves.

Eye protection: Safety glasses with side-shields.

Skin and body protection: Lightweight protective clothing

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls

Prevent product from entering drains.

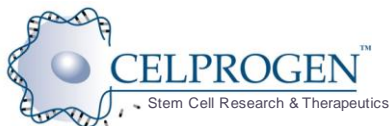
9. Physical and chemical properties

General Information

| | |
|---------------------------------|--------|
| Form | Liquid |
| Appearance | N/A |
| Odor | N/A |
| Boiling Point/Range | N/A |
| Melting Point/Range | N/A |
| Flash Point | N/A |
| Autoignition temperature | N/A |
| Oxidizing properties | N/A |
| Water solubility | N/A |

10. Stability and reactivity

| | |
|---|---|
| Stability | Stable under normal conditions. |
| Materials to avoid | No dangerous reaction known under conditions of normal use. |
| Hazardous decomposition products | None under normal use |
| Polymerization | Hazardous polymerization does not occur |



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11. Toxicological information

Acute toxicity

Not hazardous

Principle Routes of Exposure/ Potential Health effects

| | |
|-------------------|--|
| Eyes | May cause eye irritation with susceptible persons. |
| Skin | May cause skin irritation in susceptible persons. |
| Inhalation | May be harmful by inhalation. |
| Ingestion | May be harmful if swallowed. |

| | |
|------------------------------|------|
| Carcinogenic effects | none |
| Mutagenic effects | none |
| Reproductive toxicity | none |
| Sensitization | none |

Target Organ Effects No known effects under normal use conditions.

12. Ecological Information

| | |
|----------------------------|-----|
| Ecotoxicity effects | N/A |
| Mobility | N/A |
| Biodegradation | N/A |
| Bioaccumulation | N/A |

13. Disposal considerations

Dispose of in accordance with local regulations.

14. Transport information

IATA

| | |
|------------------------------|---|
| Proper shipping name: | Not classified as dangerous in the meaning of transport |
| Hazard Class: | None |
| Subsidiary Class: | None |
| Packing group: | None |
| UN-No: | None |

15. Regulatory Information

U.S. Federal Regulations

SARA 313

This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs)

This product does not contain HAPs.



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U.S. State Regulations

California Proposition 65
This product does not contain chemicals listed under Proposition 65

| |
|------------------------------|
| 16. Other Information |
|------------------------------|

The above information is correct to the best of our knowledge. All materials and mixture formulations may present unknown Hazards and should be used with caution. The user should make independent decisions regarding the completeness of information based on all sources available. Celprogen shall not be held liable for any damage resulting from handling or contact with the above product.