

Safety Data Sheet

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

Identification of the substance or mixture

Product code AAN1L10006

Product name RiboCraft Alpha (*vivo*) RNA Transfection reagent

Company/undertaking identification

Apostle Bio

3589 Nevada St,

Pleasanton, CA 94566

support@apostlebio.com

<https://www.apostlebio.com>

2. Hazards identification

GHS-Classification

Signal Word: None

Hazard pictograms: None

Health hazards: Not Hazardous

Physical hazards: Not Hazardous

Environmental hazards: Not Hazardous

Hazard Statements: Not Applicable

Precautionary Statements

Prevention: Not Applicable

Response: Not Applicable

Storage: Not Applicable

Disposal: Not Applicable

Other hazards

Not Applicable

HMIS

Health	0
Flammability	0
Reactivity	0
Personal Protection	B

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

Description of first aid measures

Skin contact: Rinse with plenty of water. Immediate medical attention is not required.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion: Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

Inhalation: Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

Notes to Physician: Treat symptomatically.

Most important symptoms and effects, both acute and delayed: Not Applicable

Indication of any immediate medical attention and special treatment needed: None.

5. Firefighting measures

Suitable extinguishing media: Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.

Unsuitable extinguishing media: No information available.

Special hazards arising from the substance or mixture: Not known.

Advice for fire-fighters: Standard procedure for chemical fires.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Ensure adequate ventilation, always wear recommended Personal Protective Equipment

Environmental precautions: No special environmental precautions required.

Methods and material for containment and cleaning up: Soak up with inert absorbent material.

See section 8 for more information.

7. Handling and storage

Precautions for safe handling: Use personal protective equipment as required. No special handling advices are necessary.

Conditions for safe storage, including any incompatibilities: Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.

Specific end use(s): For research use only.

8. Exposure controls/personal protection

Control parameters

Exposure Limits: Contains no substances with occupational exposure limit values.

Engineering measures: Ensure adequate ventilation, especially in confined areas.

Exposure controls

Personal Protective Equipment

Respiratory protection: In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

Hand protection: Wear suitable gloves. Glove material: Compatible chemical-resistant gloves.

Eye protection: Tight sealing safety goggles.

Skin and Body Protection: Wear suitable protective clothing.

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

Environmental exposure controls: No special environmental precautions required.

9. Physical and chemical properties

Information on basic physical and chemical properties Appearance: liquid

Odor: No data available

pH: 3-5

Melting point / melting range: °C Mixture has not been tested °F Mixture has not been tested

Boiling point / boiling range: °C Mixture has not been tested °F Mixture has not been tested

Flash point: °C Mixture has not been tested °F Mixture has not been tested

Autoignition Temperature: °C Mixture has not been tested °F Mixture has not been tested

Decomposition temperature: °C Mixture has not been tested °F Mixture has not been tested

Evaporation rate: No data

Flammability (solid, gas): No data available

Upper explosion limit: Mixture has not been tested

Lower explosion limit: Mixture has not been tested

Vapor Pressure: Mixture has not been tested

Relative density: Mixture has not been tested

Specific gravity: No data

Solubility: No data available

Partition coefficient: n-octanol/water: No data available

Viscosity: No data

Explosive properties: Mixture has not been tested

Oxidizing properties: No data

Other information: No data

10. Stability and reactivity

Reactivity: None known.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: Hazardous reaction has not been reported.

Conditions to avoid: No information available.

Incompatible materials: No dangerous reaction known under conditions of normal use.

Hazardous decomposition products: No data available.

11. Toxicological information

Information on toxicological effects

There is no evidence available indicating acute toxicity.

Principal Routes of Exposure

Skin corrosion/irritation: Conclusive but not sufficient for classification

Serious eye damage/irritation: Conclusive but not sufficient for classification

Respiratory or skin sensitization: Conclusive but not sufficient for classification

Specific target organ toxicity (STOT) – single exposure: Conclusive but not sufficient for classification

Specific target organ toxicity (STOT) – repeated exposure: Conclusive but not sufficient for classification

Carcinogenicity: Conclusive but not sufficient for classification

Germ cell mutagenicity: Conclusive but not sufficient for classification

Reproductive toxicity: Conclusive but not sufficient for classification

Aspiration hazard: Conclusive but not sufficient for classification

12. Ecological information

Toxicity: Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

Persistence and degradability: No information available.

Bioaccumulative potential: No information available.

Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other adverse effects: No information available.

13. Disposal considerations

Waste treatment methods:

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance with approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

14. Transport information

IATA / ADR / DOT-US / IMDG: Not regulated in the meaning of transport regulations

UN number: Not Applicable

UN proper shipping name: Not Applicable

Transport hazard class(es): Not Applicable

Packing group: Not Applicable

Environmental hazards: Not Applicable

Special precautions for user: Not Applicable

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not Applicable.

15. Regulatory information

US Federal Regulations

SARA 313: This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61): This product does not contain HAPs.

US State Regulations:

California Proposition 65: This product does not contain any Proposition 65 chemicals.

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No available information

16. Other information

Reason for revision: Initial version.

Revision number: 1

Revision date: 12-Oct-2024

For research use only. Not for use in diagnostic procedures.

References

- ECHA: <http://echa.europa.eu/>
- TOXNET: <http://toxnet.nlm.nih.gov/>
- eChemPortal: <http://www.echemportal.org/>
- LOLI database: <https://www.chemadvisor.com/loli-database>

"The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution.

Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.

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End of Safety Data Sheet