

Safety Data Sheet

MSDS-EN-21141-R26

Revision Date : 9/Mar/2026

Initial Issue Date : 07/01/2015

Previous Revision Date : -

1. Identification

- Product Name : RedSafe™ Nucleic Acid Staining Solution
- Product Code : 21141, S21141, 21140
- Intended Use : Laboratory Reagent
- Manufacturer : iNtRON Biotechnology, Inc.
- Address : #701, 702, 904, 905, 137, Sagimakgol-ro, Jungwon-gu, Seongnam-si, Gyeonggi-do, Korea
- Telephone : +82-31-739-5678
- Emergency : +82-31-739-5678

2. Hazards Identification

GHS Classification : - Not classified (non-hazardous product)

Pictogram : - None

Signal Word : - None

Hazard Statements (H phrase) : - None

Precautionary Statements (P phrase) : - None

3. Composition/Information of Ingredients

Components	CAS No.	Content (%)
Water	7732-18-5	95 – 99
Fluorescent dye	-	<1

4. First-Aid Measures

- Inhalation : Not expected to cause symptoms. Provide fresh air if needed.
- Skin Contact : Wash with water if contaminated with impurities.
- Eye Contact : Rinse with water if irritation occurs.
- Ingestion : Rinse mouth. If large amounts are ingested, seek medical advice.

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5. Fire-Fighting Measures

Non-flammable. Use appropriate extinguishing media depending on surrounding materials.

6. Accidental Release Measures

Wipe up with absorbent material or clean cloth. Prevent from entering drains if contaminated.

7. Handling and Storage

Store in a tightly closed container. Avoid contamination and direct sunlight or high temperatures.

8. Exposure Controls / Personal Protection

No specific PPE required under normal use. If contaminated, use appropriate protection.

9. Physical and Chemical Properties

pH: Not determined

Solubility: Soluble in water

Form: Liquid

Color: Brown

Odor: Odorless

10. Stability and Reactivity

Stable under normal usage conditions.

- Conditions to Avoid: None known

- Incompatible Materials: None known

- Hazardous Decomposition: None under normal use

11. Toxicological Information

Acute Toxicity: Not toxic

Skin/Eye Irritation: Not irritating

Inhalation: No adverse effects expected except in aerosolized form

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Carcinogenicity: Not classified

12. Ecological Information

No environmental hazard expected based on available data

Biodegradability: No data available

Bioaccumulation: Not expected

13. Disposal Considerations

- If uncontaminated, may be disposed into regular wastewater systems
- Ensure proper classification if contaminated

14. Transport Information

UN Number: Not applicable (non-hazardous)

Hazard Class: Not applicable

Packing Group: Not applicable

Proper Shipping Name: Not applicable (non-hazardous aqueous solution)

IMDG/IATA: Not regulated

15. Regulatory Information

- KOSHA : Not regulated
- Chemical Control Act : Not subject to notification
- Dangerous Substances Safety Act : Not applicable
- Handle and store in accordance with applicable regulations

16. Other Information

This document is based on currently available information and is intended for use under normal conditions.

Date of Preparation: 2026-Mar-9

Prepared by: iNtRON Biotechnology, Inc.

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