



Alkali Scientific

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Safety Data Sheet

Date Updated: 10/29/2024

Chemtrec Emergency Phone Number:
(800) 424-9300

Section 1 – Product Information:

Product Name: Radiant™ SYBR Green Master Mix qPCR Kit Lo-ROX

Catalog Number: QS1001, QS1005, QS1020, QS1050, QS1100

Section 2 – Hazards Identification

Emergency Overview: This product is not harmful if used properly.

HMIS RATING: (Scale 0-4)

Health: 0 Flammability: 0 Reactivity: 0

NFPA RATING: (Scale 0-4)

Health: 0 Flammability: 0 Reactivity: 0

Section 3 – Composition/ Information on Ingredients:

Hazardous/Non-hazardous Components:

Ingredients	%	CAS #	EINECS#
Dimethyl Sulfoxide	<5	67-68-5	200-664-3
Glycerol	<5	56-81-5	200-289-6
Water	>50	7732-18-5	231-791-2

Section 4 – First Aid Measures:

Ingestion Exposure:

Induce vomiting and call for medical help.

Inhalation Exposure:

Move to fresh air; consult a doctor in case of symptoms.

Eye Exposure:

Rinse thoroughly with plenty of water for several minutes. Consult doctor.

Skin Exposure:

Wash off with soap and water. Generally, the product does not irritate the skin.

Section 5 – Fire Fighting Measures:

Extinguishing Media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special Firefighting Procedures:

Wear self-contained breathing apparatus and protective suit.

Flash Point:

No data available.

Section 6 – Accidental Release Measures:

Personal Precautions:

Use proper protective equipment.

Environmental Precautions:

Dilute with plenty of water. Do not allow undiluted product enter surface and ground water or sewer system.

Method for Cleaning Up:

Prevent further leakage or spillage if safe to do so. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Section 7 – Handling and Storage:

Handling:

Wash thoroughly after handling. Use with adequate ventilation.

Storage:

Keep in tightly sealed and properly labeled containers at -20°C.

Section 8 – Exposure Controls/Personal Protective Equipment (PPE):

Engineering Controls:

Proper ventilation required. Facilities storing or utilizing this material should be equipped with safety shower and eyewash bath.

Personal Protective Equipment:

In case of insufficient ventilation wear suitable respiratory equipment. Wear protective gloves, safety glasses or goggles with side-shields and appropriate protective clothing.

General Hygiene:

Handle in accordance with good industrial hygiene and safety practice.

Section 9 – Physical/Chemical Properties:

Appearance:

Clear liquid.

pH: Not determined.

Water Solubility:
Soluble.

Section 10 – Stability and Reactivity:

Stability:
Stable.

Materials to Avoid:
No specific data.

Hazardous Decomposition Products:
No specific data.

Hazardous Polymerization:
Hazardous polymerization will not occur.

Section 11 – Toxicological Information:

Eyes:
May cause irritation.

Skin:
May cause irritation or allergic skin reaction.

Ingestion:
May be harmful if swallowed.

Inhalation:
May cause irritation.

Section 12 – Ecological Information:

Ecotoxicity:
Slightly hazardous for water. Do not allow undiluted product or large quantities to flow into surface and ground water or sewer system.

Section 13 – Disposal Considerations:

Waste disposal must be in accordance with federal, state and local environmental control regulations.

Section 14 – Transport Information:

D.O.T Not regulated as a hazardous material.
IATA Not regulated as a hazardous material.

Section 15 – Regulatory Information:

U.S. FEDERAL REGULATIONS:

SARA 313: This product is not regulated by SARA CAA, Section 112, Hazardous Air Pollutants (HAPs) (40 CFR 61): This product does not contain HAPs.

U.S. STATE REGULATIONS:

California Proposition 65: This product does not contain chemicals listed under proposition 65.

Section 16 – Other Information:

This information is believed to be accurate and represents the best information available to date. Nevertheless, Alkali Scientific does not purport that it is all-inclusive, and it must only be used as a guide. Alkali Scientific makes no warranty nor assumes liability for its usage. Users should make their own investigations to determine the suitability of the product for specific applications.