

Material Safety Data Sheet



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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name: ACTIN RNA PROBE, DIGOXIGENIN LABELED
Product number: 1498045
Global material number: 11498045001
Business area: Roche Applied Sciences
Product line: Not applicable
Instrument type: Not applicable
Supplier: Roche Diagnostics Corporation
9115 Hague Road
Indianapolis, IN 46250
Site Phone Number: 1-800-428-5074
Emergency telephone number: CHEMTREC:
1-800-424-9300 (U.S. or Canada)
1-703-527-3887 (International)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Description 1: Bottle 1

Components	CAS Number	Weight %	OSHA PEL:	OSHA STEL:	ACGIH TLV:	ACGIH STEL:
No hazardous components >1%, >0.1% carcinogen	NONE	N/A	NA	NA	NA	NA

3. HAZARDS IDENTIFICATION

Emergency Overview

NFPA Ratings: Health= 0 Flammability= 0 Reactivity= 0

Special Definitions: A=Allergen CA=Carcinogen CO=Corrosive F=Flammable H=Harmful I=Irritant Ox=Oxidizer PB=Potential Biohazard R=Reproductive S=Sensitizer T=Toxic T+=Highly Toxic W=Water Reactive

Principle routes of exposure: Ingestion, inhalation, skin and/or eye contact.
Inhalation: None
Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea
Skin contact: None
Eye contact: May cause irritation.
Sensitization or Odor threshold: None.
Medical conditions aggravated by exposure: None known
Additional information: None

4. FIRST AID MEASURES

Inhalation: Consult a physician. Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Skin contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Ingestion: Call a physician immediately. Do not induce vomiting without medical advice. Drink 1 or 2 glasses of water.
Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Notes to physician: None determined

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Use dry chemical, CO ₂ , water spray or "alcohol" foam.
Unusual hazards:	None known.
Special protective equipment for firefighters:	In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Use personal protective equipment. Evacuate personnel to safe areas. Remove all sources of ignition. Avoid dust formation. Ensure adequate ventilation.
Environmental precautions:	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Do not let product enter drains.
Methods for cleaning up:	Never return spills in original containers for re-use. Soak up with oil absorbent material. Sweep up or vacuum (if powder) or soak up with inert absorbent material (if liquid), then place into a suitable clean, dry, closed container, and label for disposal.

7. HANDLING AND STORAGE

Handling:	Protect from contamination. Wear personal protective equipment.
Storage:	Keep containers dry and tightly closed to avoid moisture absorption and contamination.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures:	Provide appropriate exhaust ventilation at places where dust is formed.
Personal Protective Equipment	
Respiratory protection:	Respiratory protection is not required under normal use of this product. If respiratory protection is needed, follow the OSHA regulation, 29CFR1910.134. Always use a NIOSH approved respirator when necessary.
Hand protection:	Wear appropriate protective gloves to prevent skin contact. Replace torn or punctured gloves promptly.
Skin and body protection:	Wear appropriate body protection to prevent skin contact.
Eye protection:	Wear appropriate eye protection to prevent eye contact.
Hygiene measures:	When using, do not eat, drink or smoke. Keep away from food and drink. Keep away from tobacco products. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice for diagnostics.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling point/range:	No information available
Melting point/range:	Not determined
pH:	Neutral.
pH:	Not determined
Physical state:	Liquid.
Solubility in water:	Soluble.
Flash point:	No information available.
LEL (%):	Not determined
UEL (%):	Not determined

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Polymerization:	None under normal processing.
Hazardous decomposition products:	Thermal decomposition can lead to release of irritating gases and vapours. Carbon monoxide.
Materials to avoid:	Incompatible with strong acids and bases. Oxidising agents (strong). Heavy metals.

11. TOXICOLOGICAL INFORMATION

Inhalation:	No additional data available
Skin:	No additional data available
Oral:	No additional data available.
Mutagenic effects:	No data is available on the product itself

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11. TOXICOLOGICAL INFORMATION

Reproductive toxicity: No data is available on the product itself

12. ECOLOGICAL INFORMATION

Bioaccumulation: Not determined

Aquatic toxicity: No data is available on the product itself

Ecotoxicity effects: No data is available on the product itself

U.S. EPA, RCRA, CERCLA, SARA, or DGC information on persistent, bioaccumulative, and toxic chemicals (PBTs):

The following chemicals are listed under the U.S. EPA regulations of RCRA, CERCLA, SARA, or DGC:

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous.

14. TRANSPORT INFORMATION

**Is product hazardous to ship?
DOT** No.

Proper shipping name: None	Hazard class: Not applicable	Subsidiary risk: Not applicable	Packing group: Not applicable
UN Number: Not applicable	Hazard class: Not applicable	Subsidiary risk: Not applicable	Packing group: Not applicable

ICAO/IATA

Proper shipping name: None	Hazard class: Not applicable	Subsidiary risk: Not applicable	Packing group: Not applicable
UN Number: Not applicable	Hazard class: Not applicable	Subsidiary risk: Not applicable	Packing group: Not applicable

15. REGULATORY INFORMATION

U.S. Regulations:

U.S. CERCLA/SARA/TSCA Regulatory Information: The following chemicals are listed under the following TSCA/SARA/CERCLA lists. Refer to TSCA regulation if you need a definition for acronyms that may be shown in the TSCA Inventory field in the table below

U.S. Clean Water Act (CWA)/ California Proposition 65: The following chemicals are listed under the CWA and/or California Proposition 65:

Canadian Regulations:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

16. OTHER INFORMATION

Reason for revision: Not applicable
References: None
Additional advice: None
Prepared by: Roche Diagnostics, Health & Safety Department, MSDS Contact: 317-521-7425 or 317-521-7505

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End of Safety Data Sheet