

Material Safety Data Sheet



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

Product name: Procainamide
Product number: 04642562190
Business area: Centralized Diagnostics
Product line: Roche/Hitachi

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:
NADH	606-68-8	0.1-1	NA	NA	NA	NA

Description 2: Bottle 2

Components	CAS Number	Weight %	OSHA PEL:	OSHA STEL:	ACGIH TLV:	ACGIH STEL:
Procainamide	51-06-9	<0.1	NA	NA	NA	NA
Glucose-6-phosphate dehydrogenase	9001-40-5	<1	NA	NA	NA	NA

3. HAZARDS IDENTIFICATION

Emergency Overview

NFPA Ratings: Health= 1 Flammability= 0 Reactivity= 0 Special= I

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 absorption, skin and/or eye contact.

Inhalation: May cause irritation of respiratory tract.

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Skin contact: Substance may cause slight skin irritation.

Eye contact: Contact with eyes may cause irritation.

Sensitization or Odor threshold: The following chemical(s) may cause sensitization, be absorbed via skin, and/or has an odor threshold for detection:

Medical conditions aggravated by exposure: Persons with pre-existing skin disorders may be more susceptible to the effects of this material. Persons with impaired respiratory function may be more susceptible to the effects of the substance.

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 with plenty of water. If skin irritation persists, call a physician. Remove and wash contaminated clothing before re-use

Ingestion: Consult a physician. Do not induce vomiting without medical advice

Eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice

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:	Wear self contained breathing apparatus for fire fighting if necessary

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Use personal protective equipment. Evacuate personnel to safe areas
Environmental precautions:	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
Methods for cleaning up:	Never return spills in original containers for re-use. 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:	No special precautions required

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Not applicable

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:	Avoid contact with skin, eyes and clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Color:	Yellow.
Odor:	None.
pH:	Bottle 1=5-6. Bottle 2=7-8.
Physical state:	Liquid.

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions
Polymerization:	Not applicable
Hazardous decomposition products:	Carbon oxides
Materials to avoid:	Strong acids and strong bases. Strong oxidising agents

11. TOXICOLOGICAL INFORMATION

Components	NIOSH - Selected LD50s and LC50s:	NIOSH Pocket Guide - Target Organs:
Procainamide	=1950 mg/kg Oral LD50 Rat	

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
Reproductive toxicity:	No data is available on the product itself

12. ECOLOGICAL INFORMATION

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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? No

DOT

Proper shipping name: None

UN Number: Not applicable	Hazard class: Not applicable	Subsidiary risk: Not applicable	Packing group: Not applicable
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ICAO/IATA

Proper shipping name: None

UN Number: Not applicable	Hazard class: Not applicable	Subsidiary risk: Not applicable	Packing group: Not applicable
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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

Components	CERCLA/SARA 302 RQ and TPQ (40 CFR 355, App.A)	CERCLA/SARA 304 RQ (40 CFR Table 302.4)	SARA 313 Emission reporting	TSCA Inventory
NADH				Present

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Glucose-6-phosphate dehydrogenase				XU

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