

Revision date:
Print Date: 02/12/2007
Version: 0

Material Safety Data Sheet



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

Product name: COBAS C (501) METHAQUALONE/200
Product number: 04853946190
Business area: Centralized Diagnostics
Product line: Cobas
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:
Sodium azide	26628-22-8	0.01-<0.1	NA	NA	NA	0.11 ppm Ceiling as hydrazoic acid, vapor 0.29 mg/m ³ Ceiling as sodium azide
HEPES Free Acid	NONE	5 - 10	NA	NA	NA	NA
HEPES	7365-45-9	1-5	NA	NA	NA	NA
Sodium chloride	7647-14-5	1-5	NA	NA	NA	NA
Polyvinylpyrrolidone	9003-39-8	1-5	NA	NA	NA	NA

Description 2: Bottles 2 and 3. Only Bottle 2 contains the HEPES Free Acid.

Components	CAS Number	Weight %	OSHA PEL:	OSHA STEL:	ACGIH TLV:	ACGIH STEL:
Sodium azide	26628-22-8	0.01-<0.1	NA	NA	NA	0.11 ppm Ceiling as hydrazoic acid, vapor 0.29 mg/m ³ Ceiling as sodium azide
HEPES Free Acid	NONE	1-5	NA	NA	NA	NA

3. HAZARDS IDENTIFICATION

Emergency Overview

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

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: May cause irritation of respiratory tract.

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

Skin contact: May cause irritation in contact with skin.

Eye contact: Avoid contact with eyes. 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: None known

Additional information: None

4. FIRST AID MEASURES

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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

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

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Components	NIOSH - Selected LD50s and LC50s:	NIOSH Pocket Guide - Target Organs:
Sodium azide	=20 mg/kg Dermal LD50 Rabbit =27 mg/kg Oral LD50 Rat	eyes, skin, CNS, CVS, kidneys
Sodium chloride	=3 g/kg Oral LD50 Rat >10 g/kg Dermal LD50 Rabbit >42 g/m ³ Inhalation LC50 Rat 1h	
Polyvinylpyrrolidone	=100 g/kg Oral LD50 Rat	

Components	NIOSH - Selected LD50s and LC50s:	NIOSH Pocket Guide - Target Organs:
Sodium azide	=20 mg/kg Dermal LD50 Rabbit =27 mg/kg Oral LD50 Rat	eyes, skin, CNS, CVS, kidneys

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
Carcinogenic effects:

Components	IARC Group 1	IARC Group 2A or 2B	IARC Group 3 or 4	NTP	OSHA Select Carcinogens	EPA IRIS Carcinogen Assessment
Polyvinylpyrrolidone			Monograph 71, 1999; Supplement 7, 1987; Monograph 19, 1979			

12. ECOLOGICAL INFORMATION

Bioaccumulation: No data available
Aquatic toxicity: Not applicable
Ecotoxicity effects: No data is available on the product itself

Components	Ecotoxicity - Fish Species Data	Ecotoxicity - Microtox Data	Ecotoxicity - Water Flea Data	Ecotoxicity - Freshwater Algae Data
Sodium azide	0.7 mg/L LC50 bluegill 96 h 0.8 mg/L LC50 rainbow trout 96 h 5.46 mg/L LC50 fathead minnow 96 h			

Components	Ecotoxicity - Fish Species Data	Ecotoxicity - Microtox Data	Ecotoxicity - Water Flea Data	Ecotoxicity - Freshwater Algae Data
Sodium azide	0.7 mg/L LC50 bluegill 96 h 0.8 mg/L LC50 rainbow trout 96 h 5.46 mg/L LC50 fathead minnow 96 h			

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

Product number: 04853946190

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Product name: COBAS C (501) METHAQUALONE/200

14. TRANSPORT INFORMATION

DOT

Proper shipping name: None

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

ICAO/IATA

Proper shipping name: None

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

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
Sodium azide	500 lb TPQ This material is a reactive solid. The TPQ does not default to 10000 pounds for non-powder, non-molten, non-solvent form	1000 lb final RQ 454 kg final RQ	Listed	Listed
HEPES				Listed
Sodium chloride				Listed
Polyvinylpyrrolidone				Listed

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
Sodium azide	500 lb TPQ This material is a reactive solid. The TPQ does not default to 10000 pounds for non-powder, non-molten, non-solvent form	1000 lb final RQ 454 kg final RQ	Listed	Listed

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

Canadian Regulations:

Canada DSL Inventory List -
Canada NDSL Inventory List -

This product does not comply with DSL
This product does not comply with NDSL

Components	Canada - WHMIS: Classifications of Substances:
Sodium azide	D1A
Sodium chloride	Uncontrolled product according to WHMIS classification criteria
Polyvinylpyrrolidone	Uncontrolled product according to WHMIS classification criteria

Components	Canada - WHMIS: Classifications of Substances:
Sodium azide	D1A

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