Material Safety Data Sheet

"DIMENSION" CLINICAL CHEMISTRY SYSTEM MYO FLEX(TM)REAGENT CARTRIDGE
RADM0014 Revised: 09/02/1998

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Tradenames and Synonyms

CAT. NO. RF422
MYOGLOBIN FLEX(TM) REAGENT CARTRIDGE
MYO FLEX(TM) REAGENT CARTRIDGE
"DIMENSION" MYO FLEX(TM) REAGENT CARTRIDGE
AMAPS 755422.201

Company Identification

MANUFACTURER/DISTRIBUTOR
Dade Behring Inc.
P. O. Box 6101
Newark, DE 19714-6101

PHONE NUMBERS
Product Information : 800-441-9250
Transport Emergency : CHEMTREC 800-424-9300
Medical Emergency : 800-228-5635 ext 284

COMPOSITION/INFORMATION ON INGREDIENTS

Components

Material	CAS Number	%
MYO Chrome Tablet		
Polyethylene Glycol	25322-68-3	7.9
Trehalose	99-20-7	61.26
Chrome Particle Reagent		5.93
Bovine Serum Albumin	9048-46-8	23.83
Streptomycin sulphate	3810-74-0	0.12
DGNA Substrate Tablet		
Chlorophenylred-beta-D-galactopyranoside (CPRG)	99792-50-4	14.76
Polyethylene Glycol	25322-68-3	8
Trehalose	99-20-7	41.37

HEPES	7365-45-9	13.02
Sodium HEPES	75277-39-3	22.86
DGNA Substrate Diluent		
*Ethylene Glycol	107-21-1	13.37
HEPES	7365-45-9	4.09
Water	7732-18-5	82.3
MYO Conjugate Reagent		
Sodium Chloride	7647-14-5	7.37
Bovine Serum Albumin	9048-46-8	5.03
Streptomycin sulphate	3810-74-0	0.08
Water	7732-18-5	82.04

* Disclosure as a toxic chemical is required under Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

Unique Label Statements

WARNING: These reagents contain sodium azide. Sodium azide may react with lead or copper plumbing to form highly explosive metal azides. If discarded into drain, flush with a large volume of water to prevent azide build-up.

HAZARDS IDENTIFICATION

Potential Health Effects

Since this mixture has not been tested as a whole to determine the hazards by all routes of exposure, information is provided for each hazardous component of the mixture to meet requirements of OSHA's Hazard Communication Standard 29 CFR 1910.1200). The effects noted occur from exposure to the pure component unless otherwise noted.

INFORMATION FOR COMPONENTS

ETHYLENE GLYCOL is TOXIC by ingestion or inhalation, and is a mild eye and skin IRRITANT. Extensive skin contact with ethylene glycol can result in absorption of toxic amounts. The fatal adult dose by ingestion is about 100 ml. Large single oral doses tend to cause death through respiratory an/or cardiac failure while delayed death from smaller doses are more likely the result of organic injury to the kidneys and brain. This product contains less than 0.70 mL ethylene glycol.

SODIUM CHLORIDE is an IRRITANT. Human health effets of overexposure my inhalation, ingestion, or skin or eye contact may cause nonspecific discomfort, such as nausea, headache, or weakness upon ingestion; or eye irritation with tearing, or blurring of vision on eye contact.

POLYETHYLENE GLYCOL is not expected to cause significant acute effects from modest overexposure. Higher exposures to some lower molecular weight materials may lead to abnormal liver or kidney function as detected by laboratory tests. This product contains no lower molecular weight material.

HEPES and NaHEPES are biological buffers and IRRITANTS. May be harmful if swallowed or absorbed through the skin. Inhalation of dust could cause congestion similar to that caused by any inert dust. Skin or eye cotact may cause mild irritation with discomfort, redness, tearing and blurring of vision.

CPRG is a skin and eye irritant. Skin or eye contact may cause irritation with discomfort, skin rash, blurring of vision. Ingestion may cause nonspecific discomfort such as nausea, headache, or general weakness.

CHROME PARTCLE REAGENT contains Chromium (IV) dioxide which is a skin and eye irritant. Skin contact may initially include irritation with discomfort or rash. Eye contact may initially include irritation with discomfort, tearing or blurring of vision. Chronic overexposure by inhalation to the dust may cause respiratory irritation with scarring and abnormal tissue structure of the lungs.

Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

FIRST AID MEASURES

First Aid

INHALATION

Inhalation is not an expected route of exposure during normal use of the product.

SKIN CONTACT

Flush skin with water after contact. Wash contaminated clothing before reuse.

EYE CONTACT

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

INGESTION

Ingestion is not an expected route of exposure during normal use of the product. If ingested, consult a physician.

FIRE FIGHTING MEASURES

Extinguishing Media

Use media appropriate for surrounding material.

Fire Fighting Instructions

Evacuate pesonnel to a safe area. Keep personnel removed and upwind of fire. Wear self-contained reathing apparatus. Wear full protective equipment.

ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT durng clean-up.

Initial Containment

Follow applicable Federal, State/Provincial and Local laws/ regulations.

HANDLING AND STORAGE

Handling (Personnel)

Do not breathe vapor or mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling. Do not store or

consume food, drink or tobacco in areas where they may become contaminated with this material.

Storage

See package/insert sheet.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment

Eye/Face : safety glasses
Protective Gloves : latex or nitrile

Exposure Guidelines

Exposure Limits: None established

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

A self-contained cartridge with liquid in wells 1,and 7; tablets in wells 3,4,5 and 6.

STABILITY AND REACTIVITY

Chemical Stability

Stable at normal conditions.

Decomposition

Decomposes with heat.

Hazardous gases/vapors produced are carbon oxides, nitrogen oxides and phosphorous oxides.

Polymerization

Polymerization will not occur.

ECOLOGICAL INFORMATION

Ecotoxicological Information

Aquatic Toxicity

Ethylene glycol: LC50: 96 hr in water fleas is 10,000 ppm.

DISPOSAL CONSIDERATIONS

Waste Disposal

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

Chromium (IV) dioxide is present in this product.
The reagents containing chrome have been tested following the Environmental Protection Agency TCLP protocol and found not to be a hazardous waste. However, when this product is used with human source sample material, disposal must follow all guidelines for infectious waste.

REGULATORY INFORMATION

State Regulations (U.S.)

WARNING - SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BITH DEFECTS OR OTHER REPRODUCTIVE HARM- Streptomycin sulfate

OTHER INFORMATION

"DIMENSION" is a trademark of Dade Behring Inc.

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

Technical Assistance Center
Dade Behring Inc.
Newark, DE 19714-6101
1-800-441-9250

End of MSDS