

Material Safety Data Sheet

"DIMENSION" CLINICAL CHEMISTRY SYSTEM FERR FLEX(TM) REAGENT CARTRIDGE
RADM0001 Revised: 03/18/1998

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Tradenames and Synonyms

CAT. NO. RF440
FERRITIN FLEX(TM) REAGENT CARTRIDGE
FERR FLEX(TM) REAGENT CRTRIDGE
"DIMESION" FERR FLEX(TM) REAGENT CARTRIDGE
AMAPS 717005.440

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	%
RxL FERR Conjugate Reagent		
Water	7732-18-5	39.11
beta-Galactosidase	9031-11-2	0.08
PIPES 1.5 Na Salt		0.62
Sodium Chloride	7647-14-5	8.49
Bovine Serum Albumin	9048-46-8	2.8
Horse Serum		44
Tween-20	9005-64-5	0.01
Magnesium Chloride	7786-30-3	0.07
Sodium Pyrithione	3811-73-2	0.01
Streptomycin sulphate	3810-74-0	0.19
*Ethylene Glycol	107-21-1	3
Propyl Paraben	94-13-3	0.01

Polyclonal Mouse Ig		0.02
PIPES 2.0 Na Salt	76836-02-7	1.11
PIPES	5625-37-6	0.48
RxL FERR Chrome Tablet		
Trehalose	99-20-7	60.25
Bovine Serum Albumin	9048-46-8	24.83
Polyethylene Glycol	25322-68-3	7.13
*Chrome Particle Reagent Material 40 m2/g	12018-01-8	6.57
FERR Capture Ab		0.26
Potassium Phosphate monobasic	7778-77-0	0.18
Potassium Phosphate, dibasic	7758-11-4	0.24
Streptomycin sulphate	3810-74-0	0.53
Sodium Pyrithione	3811-73-2	0.02
DM DNGA Substrate Tablet		
Substrate (identity trade secret)		14.76
Chlorophenylred-beta-D-galactopyranoside		
Polyethylene Glycol	25322-68-3	8
Trehalose	99-20-7	41.36
HEPES	7365-45-9	13.02
Sodium HEPES	75277-39-3	22.86
DM DGNA Substrate Diluent		
*Ethylene Glycol	107-21-1	12.35
HEPES	7365-45-9	4.23
Magnesium acetate	142-72-3	1.43
Proclin 300		0.1
Water	7732-18-5	81.89

* 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.

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, and a skin and eye irritant. The estimated mean oral lethal dose in adult humans is 100 mL. Skin or eye contact may cause irritation with discomfort, skin rash, blurring of vision. Ingestion may cause nonspecific discomfort such as nausea, headache, low backache. Skin permeation can occur in amounts capable of producing the effects of systemic toxicity such as nervous system depression, elevation of blood pressure, dizziness, confusion, incoordination, and loss of consciousness.

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. There are no lower molecular weight forms in this product.

Chrome Particle Reagent contains CHROMIUM DIOXIDE which is a skin and eye irritant. Skin or eye contact may cause irritation with discomfort, skin rash, blurring of vision. Chronic overexposure by inhalation to the dust may cause respiratory irritation with scarring and abnormal tissue structure of the lungs.

CHLOROPHENYLRED-BETA-D-GALACTOPYRANOSIDE 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.

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

Flammable Properties

Contains liquid and solid mixtures which are not classified combustibles.

Extinguishing Media

Use media appropriate for surrounding material.

Fire Fighting Instructions

Evacuate personnel to a safe area. Keep personnel removed and upwind of fire. 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 during clean-up.

Initial Containment

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

HANDLING AND STORAGE

Handling (Personnel)

Avoid inhalation. 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

Long-term storage at 2-8 C is recommended.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment

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

Exposure Guidelines

Applicable Exposure Limits

Ethylene Glycol

PEL (OSHA) : None Established
TLV (ACGIH) : Ceiling: 39.4 ppm, 100 mg/m³, aerosol, A4

Polyethylene Glycol

PEL (OSHA) : None Established
TLV (ACGIH) : None Established
WEEL (AIHA) : 10 mg/m³, 8 Hr. TWA

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Product as shipped is a sealed plastic cartridge containing liquid and solid reagents.

STABILITY AND REACTIVITY

Chemical Stability

Stable.

Incompatibility with Other Materials

Incompatible with strong acids, nitrogen oxides, strong oxidizers, acid halides

Decomposition

Decomposition does not occur under normal use conditions.

Polymerization

Polymerization will not occur.

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 Chrome Particle Reagent has been tested following Environmental Protection Agency TCLP protocol and found not to be a hazardous waste.

REGULATORY INFORMATION

State Regulations (U.S.)

WARNING - SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH 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

Indicates updated section.

End of MSDS