Material Safety Data Sheet

"DIMENSION" CLINICAL CHEMISTRY SYSTEM AMON FLEX(TM) REAGENT CARTRIDGE
QADM0052
Revised: 04/12/2002

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Tradenames and Synonyms

CAT. NO. DF19
AMMONIA FLEX(TM) REAGENT CARTRIDGE
AMON FLEX(TM) REAGENT CARTRIDGE
"DIMENSION" AMON FLEX(TM) REAGENT CARTRIDGE
AMAPS 717019.901

Company Identification

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

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

<table>
<thead>
<tr>
<th>Material</th>
<th>CAS Number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMON Tablet</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium HEPES</td>
<td>75277-39-3</td>
<td>8.29</td>
</tr>
<tr>
<td>POLYETHYLENE GLYCOL</td>
<td>25322-68-3</td>
<td>4.74</td>
</tr>
<tr>
<td>Mannitol</td>
<td>69-65-8</td>
<td>59.24</td>
</tr>
<tr>
<td>HEPES</td>
<td>7365-45-9</td>
<td>22.87</td>
</tr>
</tbody>
</table>

GLDH-EDTA Solution

<table>
<thead>
<tr>
<th>Material</th>
<th>CAS Number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol</td>
<td>56-81-5</td>
<td>31.25</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>65.09</td>
</tr>
</tbody>
</table>

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

There is no hazardous exposure with normal use of this product.

AMON Tablet
Sodium HEPES and HEPES (N-[2-Hydroxyethyl]piperazine-N'- (2-ethanesulfonic acid)) are IRRITANTS. May cause mild irritation to skin, eyes, and upper respiratory tract.

GLDH-EDTA Solution
Glycerol is an IRRITANT and may be TOXIC by ingestion. Skin or eye contact may include irritation with rash, blurring of vision or tearing of the eye. Ingestion of extremely large doses may lead to red blood cell destruction or abnormal kidney function with bloody urine or flank pain.

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.

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

If inhaled, remove to fresh air. If not breathing, give artificial respiration. Call a physician.

SKIN CONTACT
In case of contact, immediately wash skin with soap and water. 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 swallowed, consult a physician.

FIRE FIGHTING MEASURES

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 self-contained breathing 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 during clean-up.

HANDLING AND STORAGE

Handling (Personnel)

Avoid breathing vapors or mist. Avoid breathing dust. 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

Do not mix with incompatibles as listed below.
See package/insert sheet.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment

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

Exposure Guidelines

Applicable Exposure Limits

POLYETHYLENE GLYCOL

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

Glycerol

PEL (OSHA) : 15 mg/m3 - Total Particulates - 8 Hr TWA
TLV (ACGIH) : 5 mg/m3 - Respirable Fraction - 8 Hr TWA

10 mg/m3 - Total Particulates - 8 Hr TWA

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Self-contained cartridge with AMON tablet in wells 1-3 and GLDH-EDTA solution in wells 4-6.

STABILITY AND REACTIVITY

Chemical Stability

Stable.

Incompatibility with Other Materials

Incompatible with bases, strong acids, oxidizing and reducing agents, polypropylene, and chlorine.

Decomposition

Decomposes with heat.

Hazardous gases/vapors produced are COx, NOx, and POx.
Also decomposes with time.
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.

**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