

Material Safety Data Sheet

"DIMENSION" CLINICAL CHEMISTRY SYSTEM TIBC PRETREATMENT KIT
QADM0071 Revised: 04/12/2002

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Tradenames and Synonyms

CAT. NO. G081
TOTAL IRON BINDING CAPACITY PRETREATMENT KIT
TIBC PRETREATMENT KIT
"DIMENSION" TIBC PRETREATMENT KIT
AMAPS 717081.901

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 | % |
|-----------------|------------|-------|
| Iron Solution | | |
| Citric Acid | 77-92-9 | 1.92 |
| Water | 7732-18-5 | 98.03 |
| Alumina | | |
| Aluminium Oxide | 1344-28-1 | 100 |

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

Iron Solution

Citric Acid is an IRRITANT and may be TOXIC by ingestion. Contact may cause skin or eye irritation with discomfort, rash, tearing or blurring of vision. Ingestion may include gastrointestinal irritation with upper abdominal pain, "heart burn", nausea, vomiting, and diarrhea. However, there may be no symptoms at all.

Alumina

Aluminum Oxide is an IRRITANT and TOXIC by inhalation. Skin contact may initially include discomfort or rash. Inhalation may include temporary lung irritation with cough, discomfort, difficulty breathing or shortness of breath. Higher exposures may lead to chronic lung disorders with symptoms of lung insufficiency. An epidemiologic study of alumina production workers demonstrated no significant increase of pulmonary fibrosis or pneumoconiosis; however, a slight decrease in lung function was identified. Individuals with preexisting diseases of the lungs may have increased susceptibility to the toxicity of excessive exposures.

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

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 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 listed below.

See product/insert sheet.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment

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

Exposure Guidelines

Applicable Exposure Limits

Aluminium Oxide
PEL (OSHA) : 15 mg/m³, total dust, 8 Hr. TWA
5 mg/m³, respirable dust, 8 Hr. TWA
TLV (ACGIH) : 10 mg/m³, total dust, 8 Hr. TWA, A4

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Boiling Point : 100 C (212 F) @ 760 mm Hg
Vapor Pressure : Similar to water
Vapor Density : Similar to water
Melting Point : 0 C (32 F) @ 760 mm Hg
% Volatiles : Aqueous
Evaporation Rate : Similar to water
Solubility in Water : 100 WT% @ 20 C (68 F) aqueous
pH : 1.0 @ 25 deg C
Odor : None
Form : Liquid
Color : Yellow
Specific Gravity : 1.0 @ 20 C

STABILITY AND REACTIVITY

Chemical Stability

Stable.

Incompatibility with Other Materials

Incompatible with alkaline earth carbonates, acetates, sulfides, strong bases, alkali metals, organic acids, sulfur

oxides. Prevent contact with brass or copper.

Decomposition

Decomposes with heat.

Refer to expiration date on the label. May decompose 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