

Material Safety Data Sheet

"DIMENSION" CLINICAL CHEMISTRY SYSTEM CHEM II CALIBRATOR
QADM0038 Revised: 07/24/2004

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Tradenames and Synonyms

CAT. NO. DC20
CHEMISTRY II CALIBRATOR
DM/CHEM II CALIBRATOR DC20
DC20 PRESHIPMENT KIT
AMAPS 792020.801
AMAPS 972020.901
AMAPS 972020.955

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	%
WATER	7732-18-5	>97
HYDROCHLORIC ACID	7647-01-0	2

HAZARDS IDENTIFICATION

Potential Health Effects

Routes of Exposure and Acute Effects

Inhalation: Contains dilute hydrochloric acid.
Hydrochloric acid vapors may cause irritation.

Skin: Contains dilute hydrochloric acid. Hydrochloric acid is corrosive, but corrosive effects are not anticipated from this concentration.

Eye: Contains dilute hydrochloric acid. Hydrochloric acid vapors may be irritating to eyes. Liquid in eye may cause irritation with possible damage if not rinsed immediately.

Ingestion: Contains dilute hydrochloric acid. Solution may cause irritation of mouth, throat, and esophagus.
(Stomach acid is approximately 0.1N HCl.)

Chronic Effects: No known effects for this concentration.

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. If breathing is difficult, give oxygen. 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 ingested, consult a physician.

FIRE FIGHTING MEASURES

Flammable Properties

Will not burn.

Hazardous gases/vapors produced in fire are hydrogen chloride.

Extinguishing Media

Use media appropriate for surrounding material.

Fire Fighting Instructions

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.

Initial Containment

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

Spill Clean Up

Soak up with sawdust, sand, oil dry or other absorbent material. Wash spill area with plenty of water.

HANDLING AND STORAGE

Handling (Personnel)

Do not get in eyes, on skin, or on clothing. Avoid breathing vapors or mist. Wash thoroughly after handling.

Storage

Do not mix with bases.

See package/insert sheet.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Use only with adequate ventilation.

Personal Protective Equipment

Eye/Face : Safety Glasses. Chemical splash goggles
if potential for contact with acid.
Protective Gloves : Nitrile or similar

Exposure Guidelines

Applicable Exposure Limits

HYDROCHLORIC ACID

PEL (OSHA) : 5 ppm, 7 mg/m³, Ceiling
TLV (ACGIH) : 5 ppm, 7.5 mg/m³, Ceiling

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Boiling Point : 100 C (212 F) @ 760 mm Hg
Vapor Pressure : 18 mm Hg @ 20 C (68 F)
Vapor Density : 1.0 (water = 1)
Melting Point : 0 C (32 F) @ 760 mm Hg
Evaporation Rate : 1.0 (water = 1)
Solubility in Water : Soluble
pH : 1.6 @ 25 deg C
Odor : Odorless
Form : Liquid; aqueous solution
Color : Colorless
Specific Gravity : 1.0 @ 25C

STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions.

Incompatibility with Other Materials

Incompatible with bases.

Decomposition

Heating may cause evolution of hydrogen chloride gas.
Hydrochloric acid reacts with most metals liberating hydrogen.

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