

Material Safety Data Sheet

"DIMENSION" CLINICAL CHEMISTRY SYSTEM Na+ AND K+/Cl- ELECTRODE
FILL SOLUTION

QADM0020

Revised: 04/12/2002

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

OSHA Hazard Communication Standard (29 CFR 1910.1200) requirements for Material Safety Data Sheets do not apply to the product described in this information sheet. This product is non-hazardous under the standard.

Tradenames and Synonyms

CAT. NO. G214
K+/CL- ELECTRODE FILL SOLUTION
POTASSIUM/CHLORIDE ELECTRODE FILL SOLUTION
NA+ ELECTRODE FILL SOLUTION
SODIUM ELECTRODE FILL SOLUTION
"DIMENSION" ELECTRODE FILL SOLUTION (NA+ AND K+)

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	>90
SODIUM AZIDE	26628-22-8	0.08

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

SODIUM AZIDE, in the quantity present and as this product is normally used, is not likely to have adverse human health effects.

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

No specific intervention is indicated as the compound is not likely to be hazardous by inhalation. Consult a physician if necessary.

SKIN CONTACT

The compound is not likely to be hazardous by skin contact but cleansing the skin after use is advisable.

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

Fire and Explosion Hazards:

Contact with acids and acidic solutions may cause generation of very irritating, flammable hydrazoic acid gas.

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 if solution could be exposed to acid or acidic solution in fire. Prevent contact with acid/acidic solution if possible.

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.

Spill Clean Up

Soak up with sawdust, sand, oil dry or other absorbent material.

Accidental Release Measures

Sweep up tablets. Put in suitable container and seal. Wash spill area with plenty of water.

HANDLING AND STORAGE

Handling (Personnel)

No special precautions required.

Storage

See package label

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Do not mix with acids. If solution is to be acidified, use

in a hood. (Hood must exhaust outside building.)

Personal Protective Equipment

Eye/Face : Safety Glasses

Exposure Guidelines

Applicable Exposure Limits

SODIUM AZIDE

PEL (OSHA) : None Established
TLV (ACGIH) : Ceiling 0.29 ppm, A4
as Hydrazoic acid vapor
Ceiling: 0.11 mg/m³, A4

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Boiling Point : 100 C (212 F) @ 760 mm Hg
Vapor Pressure : 18 mm Hg @ 25 C (77 F)
Vapor Density : 1 (water = 1)
Melting Point : 0 C (32 F) @ 760 mm Hg
Evaporation Rate : 1 (water = 1)
Solubility in Water : Aqueous
pH : 6-10
Odor : Odorless
Form : Liquid, aqueous solution
Color : Clear, colorless
Specific Gravity : 1.005

Physical Hazards

Sodium azide solutions in drain pipes might react with copper or lead in piping to form highly explosive copper azide or lead azide, which is dangerous even in small amounts.

STABILITY AND REACTIVITY

Chemical Stability

Reacts with copper, lead, silver, mercury (elemental), gold, carbon disulfide, BR₂, HN₃, (benzoyl chloride+KOH) to form explosives.

Incompatibility with Other Materials

Incompatible with acids. Lowering pH of azide solutions

below 6 may generate very irritating, flammable hydrazoic acid gas.

Decomposition

Decomposes with heat.

Polymerization

Polymerization will not occur.

DISPOSAL CONSIDERATIONS

Waste Disposal

Solution contains sodium azide. Treatment, storage, transportation, and disposal of solution must be in accordance with Federal, State, 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