



Biochemical Diagnostics, Inc.

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MATERIAL SAFETY DATA SHEET

GENERAL INFORMATION

TRADE NAME: Cannabuse Wash Solution,
15% acetonitrile

Catalog Number: 16004002, 16004015

Chemical Name: Acetonitrile, 15% solution

CAS #: 75-05-8

Formula: CH₃CN

INGREDIENTS

Components: Acetonitrile, water

Threshold Limit Values: N/A

PHYSICAL DATA

Values based on pure acetonitrile

Boiling Point: 81.6 C

Vapor Pressure: 73 @ 20 C

Vapor Density: (air=1) 1.4

Specific Gravity: 0.787

Evaporation Rate: (butyl acetate=1) 5.79

Solubility H₂O: Infinitely

pH: N/A

Appearance: Clear, colorless liquid

Odor: Ether-like

Melting Point: -46 C

FIRE AND EXPLOSION HAZARD DATA

Values based on pure Acetonitrile

Flammable Limits in air % by volume:

Lel: 4.4%

Uel: 16.0%

Flash Point: 5.6 C, 42 F

Auto Ignition Temp: N/A

Extinguishing Media: Dry Chemical, foam or carbon dioxide. Water spray may be used to keep exposed containers cool. Vapors can flow along surfaces to distant ignition source and lash back.

Special Fire Fighting Procedures: Wear proper protective equipment w/Self contained breathing apparatus

Unusual Fire and Explosion Hazards: Above flash point, vapor-air mixtures are explosive within flammable limits noted above.

REACTIVITY DATA

Stability: Stable

Incompatibility: oxidizing materials, sulfuric acid, oleum, chloresulfonic acid, and perchlorates

Hazardous Polymerization: Will not occur

Hazardous Decomposition: Toxic fumes of hydrogen cyanide may occur above 120 C (248 F). May also produce nitrous oxides and carbon monoxide.

ENVIRONMENTAL PROTECTION PROCEDURES

Spill Response: Wear suitable clothing. Spills can be collected and atomized in a suitable RCRA-approved combustion chamber, or can be reacted in

an alkaline hypochlorite solution to produce cyanate and then neutralized.

Waste Disposal Method: Dispose in accordance with state, local and federal regulations.

SPECIAL PROTECTION INFORMATION

Eye Protection: Use chemical Safety goggles and/or full face shield

Skin Protection: Gloves, and impervious protective clothing

Respiratory Protection: If TLV is exceeded, a half mask chemical cartridge respirator may be worn up to ten times the TLV or the maximum use concentration specified by the respirator supplier (whichever is less).

Ventilation: Keep vapor levels as low as possible, use adequate general or local exhaust.

Note: Effects of overexposure to Acetonitrile are often delayed, possibly due to the slow formation of cyanide anions in the body. The cyanide anions prevent the body from using oxygen and can lead to internal asphyxiation. Early symptoms may include nose and throat irritation, flushing of the face, and chest tightness. Higher concentrations may produce headache, nausea, vomiting, respiratory depression, weakness, abdominal pain, convulsions, shock, unconsciousness and death, depending on concentration and time of exposure. This highly toxic material has insufficient warning properties to prevent personnel from working contaminated atmospheres.

SPECIAL PRECAUTIONS

Insert Precautions:

Keep container tightly closed.

Contaminated Equipment Precautions: Wash thoroughly with soap and water.

Hygienic Handling and Storage: Wash thoroughly with soap and water.

EMERGENCY AND FIRST AID PROCEDURES:

FOLLOWING ANY ROUTE OF EXPOSURE TO ACETONITRILE, GET MEDICAL ATTENTION IMMEDIATELY. ADMINISTER AMYL NITRITE AMPULES BY PREPLANNED DIRECTIONS.

Ingestion: Can cause gastrointestinal tract discomfort. Induce vomiting. Call physician immediately.

Inhalation: If inhaled remove to fresh air. If not breathing give artificial respiration. **DO NOT GIVE Mouth-to-Mouth resuscitation.** If breathing is difficult give oxygen. Keep patient warm and at rest.

Skin Contact: Wash immediately with soap and water for at least 15 minutes. May cause skin irritation. Skin absorption may occur with symptoms paralleling those from inhalation exposure.

Eye Contact: Rinse with copious amounts of water for at least 15 minutes. Splashes may cause eye irritation with redness and pain.

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