

## SAFETY DATA SHEET (SDS)

Acetonitrile, 15% solution

### 01. Product and Company Identification

**Product Identifier:**

**Trade Name:** Cannabuse Wash Solution, 15% Acetonitrile  
**Chemical Name:** Acetonitrile, 15% solution  
**Catalog Number:** 16004015  
**Use of chemical:** Laboratory Chemical

**Identification of Manufacturer:**

**Manufacturer/Supplier:** Biochemical Diagnostics, Inc.  
 180 Heartland Blvd., Edgewood, NY 11717  
 Phone: (631) 595-9200 | Fax: (631) 595-9204  
**Emergency telephone number:** (800) 255-3924

### 02. Hazard(s) Identification

**Classification of substance or mixture:**

Flammable liquids (Category 2)  
*Highly flammable liquid and vapor*  
 Skin irritation (Category 2) / Eye irritation (Category 2B)  
*Causes skin irritation. May cause respiratory irritation. Causes eye irritation.*  
 Acute toxicity, Oral (Category 5)

**Label elements:**

**Hazard pictograms**



Flammable      Irritant

**Signal word:** Danger

**Hazard statements:**

H225 Highly flammable liquid and vapor.  
 H315 Causes skin irritation. Can be absorbed through skin. H320 Causes eye irritation.  
 H303 May be harmful if swallowed

**Precautionary statements:**

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
 P280 Wear protective gloves/eye protection/face protection.  
 P303+361+353 IF ON SKIN Take off all contaminated clothing immediately. Wash with plenty of soap and water.  
 P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.  
 P312 Call a POISON CENTER/Seek medical attention if you feel unwell.

**Classification system:**

**NFPA ratings (scale 0 - 4)**



Health = 2  
 Fire = 3  
 Reactivity = 0

**HMIS-ratings (scale 0 - 4)**



Health = 3  
 Fire = 3  
 Reactivity = 0

### 03. Composition/information on ingredients

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<b>Chemical Characterization:</b> Mixture
<b>CAS No. Description:</b> 75-05-8
<b>Formula:</b> Mixture of: <i>Mixture Acetonitrile 15% and Water 85%</i> $C_2H_3N$

### 04. First aid measures

#### Description of first aid measures:

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

**Inhalation:** Remove to fresh air. If not breathing give artificial respiration.  
If breathing is difficult give oxygen.

**Ingestion:** May be harmful if swallowed. Can cause gastrointestinal tract discomfort.  
Seek medical attention.

**Skin Contact:** Remove contaminated clothing and wash immediately with soap and water.  
Can cause 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.  
Seek medical attention. Splashes may cause eye irritation with redness and pain.

### 05. Firefighting measures

**Extinguishing media:** Dry chemical, alcohol-resistant foam, or carbon dioxide. Water spray may be used to keep exposed containers cool.

**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.

### 06. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

#### Environmental precautions:

Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

#### Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust) and remove.

Ensure adequate ventilation.

#### Waste Disposal Method:

Dispose in accordance with state, local and federal regulations

### 07. Handling and storage

#### Handling:

**Precautions for safe handling:** No special precautions are necessary if used correctly.

#### Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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<b>Conditions for safe storage, including any incompatibilities:</b>
<b>Requirements to be met by storerooms and receptacles:</b> Store in a cool location.
<b>Further information about storage conditions:</b> Keep receptacle tightly sealed. Store in cool, dry conditions in well-sealed receptacles.

### 08. Exposure controls/ personal protection

#### **Exposure Controls:**

**Control parameters:**

**Components with limit values that require monitoring at the workplace:**

**75-05-8 Acetonitrile**

PEL Long-term value: 70 mg/m<sup>3</sup>, 40 ppm

REL Long-term value: 34 mg/m<sup>3</sup>, 20 ppm

TLV Short-term value: 105 mg/m<sup>3</sup>, 60 ppm

#### **Personal protective equipment:**

**General protective and hygienic measures:** Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

**Eye Protection:**



Tightly sealed goggles

**Skin Protection:** Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact

**Protection of Hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

**Respiratory Protection:** In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

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

### 09. Physical and chemical properties

**Appearance:**

**Form:** Liquid

**Color:** Colorless

**Odor:** Sweet, ether-like

**pH:** not available

**Melting Point:** -46°C/ -50.8°F (acetonitrile)

**Boiling Point:** 81.6°C/ 178°F (acetonitrile)

**Flash Point:** 5.6°C/ 42 °F (acetonitrile)

**Ignition temperature:** not available

**Explosion limits: Lower:** not available

**Upper:** not available

**Vapor Pressure @ 20°C:** 73 mm Hg (acetonitrile)

**Specific Gravity @ 20°C (68°F):** not available

**Vapor Density:** 1.4 (acetonitrile), Air=1

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<b>Percent Volatile:</b> not available
<b>Evaporation Rate:</b> not available
<b>Flammable Limits in air % by volume:</b> <b>Lel:</b> 4.4% (acetonitrile) <b>Uel:</b> 16 % (acetonitrile)
<b>Solubility in/ Miscibility with Water@20°C:</b> completely soluble

### 10. Stability and reactivity

**Stability:** Stable

**Incompatibility:** Strong oxidants, bases, acids, alkali metals, reducing agents, and perchlorates.

**Conditions to Avoid:** Heat, flames, ignition sources and incompatibles.

**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.

### 11. Toxicological information

**Acute toxicity:**

**LD/LC50 values that are relevant for classification:** (acetonitrile)

Oral LD50 2,460 mg/kg (rat)

Inhalation LC50 /8h 7,551 ppm (rat)

Dermal LD50 >2,000 mg/kg (rabbit)

**Potential health effects:**

**Ingestion** Harmful if swallowed.

**On the skin:** Irritant to skin and mucous membranes.

**On the eye:** Harmful if absorbed through skin. Irritating effect.

**Sensitization:** No sensitizing effects known.

**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.

### 12. Ecological information

**Toxicity:** No data available.

**Persistence and degradability:** No data available.

**Bioaccumulative potential:** No data available.

**Mobility in soil:** No data available.

**Other adverse effects:** No data available.

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### 13. Disposal considerations

**Waste treatment methods**

**Product:**

Dispose of waste in accordance to applicable national, regional, or local regulations.

**Contaminated packaging:**

Disposal must be made according to official regulations.

### 14. Transport Information

**UN Number:**

1648

**UN proper shipping name:**

Acetonitrile solution

**Transport hazard class(es):**

3

**Packing group:**

II

**Environmental hazards:**

None

**Special precautions**

None

### 15. Regulatory Information

**SARA 302 Components:**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components:**

The following components are subject to reporting levels established by SARA Title III, Section 313:

Acetonitrile

CAS-No. 75-05-8

Revision Date 2007-07-01

**SARA 311/312 Hazards:**

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

### 16. Other Information

Revision B, June 2015

*The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, we make no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for a particular purpose. Accordingly, we will not be responsible for damages of any kind resulting from the use of or reliance upon such information.*

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