



# Dynamic Diagnostics, Inc.

## Material Safety Data Sheet

### Section 1. Chemical Product and Company Information

Common Name:	Acetone	Code:	0580
Supplier:	Dynamic Diagnostics, Inc. 12665 Richfield Court Livonia, MI 48150 800-717-4677	MSDS#:	Acetone
Synonym:	None.	Validation Date:	09-01-2008
Trade Name:	None.	Print Date:	09-01-2008
Material Uses:	Not available.	Responsible Name:	Dr. B
Manufacturer:	BBC Biochemical 409 Eleanor Lane Mount Vernon, WA 98273	<b>In Case of Emergency: 1-800-424-9300 Chemtrec USA 1-202-483-7616 Chemtrec Intrl 1-800-635-4477</b>	

### Section 2. Composition and Information on Ingredients

Name	CAS#	OSHA PEL/TWA	Exposure Limits
1) Acetone, 100%	67-64-1	1000 ppm TWA	None established

### Section 3. Hazards Identification

<b>Physical State and Appearance</b>	Colorless liquid with characteristic odor.
<b>Emergency Overview</b>	Not available.
<b>Routes of Entry</b>	Inhalation, ingestion, and skin absorption.
<b>Potential Acute Health Effects</b>	
<b>Eyes</b>	Irritation.
<b>Skin</b>	Irritation.
<b>Inhalation</b>	May cause dizziness, headache, nausea, and narcosis.
<b>Ingestion</b>	May cause blindness, nausea, damage to gastrointestinal tract, liver, kidneys, and cardiovascular system.
<b>Potential Chronic Health Effects</b>	Components not listed (IARC, NTP, OSHA) as cancer causing agents.
<b>Medical Conditions Aggravated by Overexposure/Overexposure/Signs/Symptoms</b>	Kidney, liver, heart, and GI conditions.

### Section 4. First Aid Measures

<b>Eye Contact</b>	Immediately flush thoroughly with water for at least 15 minutes.
<b>Skin Contact</b>	Wash thoroughly with soap and water.
<b>Inhalation</b>	Remove to fresh air; give artificial respiration if breathing has stopped.
<b>Ingestion</b>	If conscious, drink water and induce vomiting.
<b>Notes to Physician</b>	Not available.

### Section 5. Fire Fighting Measures

<b>Flammability of the Product</b>	Flammable. NFPA 1-3-0
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<b>Auto-ignition Temperature</b>	869° F
<b>Flash Points</b>	1.4° F
<b>Flammable Limits</b>	Lower Explosion Limit 2.5% Upper Explosion Limit 12.8%
<b>Products of Combustion</b>	Not available.
<b>Fire Hazards in Presence Of Various Substances</b>	Not available.
<b>Explosion Hazards in Presence of Various Substances</b>	Not available.
<b>Fire Fighting Media and Instructions</b>	Dry chemical, carbon dioxide, alcohol foam. Use water spray to cool fire-exposed containers and disperse vapors. Use water spray. Use water spray to cool fire exposed tanks and containers. Acetone/water solutions that contain more than 2.5% acetone have flash points. When the acetone concentration is greater than 8% (by weight) in a closed container, it would be within the flammable range and cause fire or explosion if a source of ignition were introduced.
<b>Protective Clothing (Fire)</b>	Fire fighters should use self-contained breathing apparatus and protective clothing.
<b>Special Remarks on Fire Hazards</b>	Vapor can travel distances to ignition source and flash back.
<b>Special Remarks on Explosion Hazards</b>	

### Section 6. Accidental Release Measures

<b>Small Spill and Leak</b>	Evacuate the area of all unnecessary personnel. Wear suitable protective equipment. Eliminate all sources of ignition and provide ventilation.
<b>Large Spill and Leak</b>	Same as above.

### Section 7, Handling and Storage

<b>Handling</b>	Use adequate ventilation. Avoid repeated or prolonged skin contact or breathing of vapors. Do not breathe vapors. Do not get in eyes. Ground and bond containers when transferring material. Do not use air pressure to unload containers.
<b>Storage</b>	Store and use in areas away from heat, sparks, and open flame. Store in tightly closed containers in a cool, dry, well-ventilated, fire-resistant area. Store away from oxidizing agents.

### Section 8. Exposure Controls / Personal Protection

<b>Engineering Controls</b>	
<b>Personal Protection</b>	
<b>Eyes</b>	Safety glasses with approved side shields should be worn at all times.
<b>Body</b>	Protective clothing, such as a lab coat, to minimize skin contact.
<b>Respiratory</b>	Use NIOSH or MSHA approved respirators in absence of proper environmental control.
<b>Hands</b>	Neoprene, Nitrile or equivalent protective gloves.
<b>Feet</b>	Impervious footwear should be worn to prevent skin contact.
<b>Personal Protection in Case of a Large Spill</b>	See above.
<b>Product Name</b>	<b>Exposure Limits</b>
1)	
2)	
3)	
Consult Local authorities before acceptable exposure limits.	

### Section 9. Physical and Chemical Properties

<b>Physical State and Appearance</b>	Colorless liquid.	<b>Odor:</b>	Sweet pungent.
<b>Molecular Weight</b>	58.08 g/mole	<b>Taste:</b>	Vinous.
<b>Molecular Formula</b>	Not applicable.	<b>Color:</b>	Colorless.
<b>pH (1%/Water)</b>	Not applicable.		
<b>Boiling/Condensation Point</b>	133° F		
<b>Melting/Freezing Point</b>	-137.2° F		
<b>Critical Temperature</b>	Not applicable.		
<b>Specific Gravity</b>	0.79		
<b>Vapor Pressure</b>	181 mmHg @20 ° C		
<b>Vapor Density</b>	Not applicable.		
<b>Volatility</b>	Not applicable.		
<b>Odor Threshold</b>	62 ppm		
<b>Evaporation Rate</b>	Not applicable.		
<b>VOC</b>	Not available.		

Viscosity	Not available.
Ionicity (in water)	Not available.
Dispersion Properties	Not available.
Solubility	Complete in water.
Physical Chemical Comments	Not available.

### Section 10. Stability and Reactivity

Stability and Reactivity	Stable.
Conditions of Instability	Heat.
Incompatibility with Various Substances	Oxidizers.
Hazardous Decomposition Products	Thermal-oxidative degradation can produce oxides of carbon. Toxic gases and vapors (i.e. carbon monoxide, formaldehyde) may be released in a fire.
Hazardous Polymerization	Does not occur.

### Section 11. Toxicological Information

Toxicity to Animals	LD50: rabbit skin, 20000 mg/kg LD50: rat ingestion, 5.8 g/kg LC50: Not available.
Chronic Effects on Humans	This product contains the following toxic chemical subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372: CAS # _____ Chemical Name _____ DeMinimis/SARA 313% NONE
Other Toxic Effects on Humans	
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on Other Toxic Effects on Humans	Not available.

### Section 12. Ecological Information

Ecotoxicity	Not available.
BODS and COD	Not available.
Biodegradable/OEDC Mobility	Not available.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on The Products of Biodegradation	Not available.

### Section 13. Disposal Considerations

Waste Information	Not available.
Waste Stream	Not available.
Consult your local or regional authorities.	

### Section 14. Transport Information

DOT Classification	Flammable liquid.
Marine Pollutant	Not available.
Hazardous Substances Reportable Quantity	Not available.
Special Provisions for Transport	Not applicable.
TDG Classification	Not controlled under TDG (Canada).
ADR/RID Classification	Not controlled under ADR (Europe).
IMO/IMDG Classification	Not controlled under IMDG.
ICAO/IATA Classification	Not controlled under IATA.

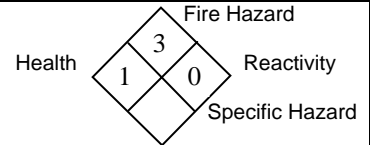
**Section 15. Other Information**

**Label requirements**

**Hazardous Material Information System (U.S.A.)**

<b>Health</b>	1
<b>Fire Hazard</b>	3
<b>Reactivity</b>	0
<b>Personal Protection</b>	

**National Fire Protection Association (U.S.A.)**



**References**

**Other Special Considerations**

**Notice to Reader**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*