

# BBC Biochemical MATERIAL SAFETY DATA SHEET

## Section 1. Chemical Product and Company Information

Common Name:	BoMar Aspirate•Fix™	Code:	5003, 4985
Supplier:	BBC Biochemical	MSDS#:	5003, 4985
Synonym:	None	Validation Date:	2-19-09
Trade Name:	None	Print Date:	2-19-09
Material Uses:	Not available	Responsible Name:	Dr. B
Manufacturer:	BBC Biochemical PO Box 1320 409 Eleanor Lane Mount Vernon, WA 98273 1-800-635-4477	<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	OSHA PEL/STEL
1) Water	7732-18-5	None established	None established
2) Formaldehyde 37%	50-00-0	.75 ppm	2 ppm
3) Sodium Phosphate Monobasic	7558-80-7	None established	None established
4) Sodium Phosphate Dibasic	7558-79-4	None established	None established

## Section 3. Hazards Identification

Physical State and Appearance	Clear liquid.
Emergency Overview	Not available.
Routes of Entry	Eye contact, inhalation, ingestion, skin contact.
<b>Potential Acute Health Effects</b>	
<b>Eyes</b>	Irritation, may cause permanent damage.
<b>Skin</b>	Irritation.
<b>Inhalation</b>	Irritation to nose, throat and respiratory system.
<b>Ingestion</b>	May cause allergic reaction. Irritation to throat and respiratory system.
<b>Potential Chronic Health Effects</b>	Formaldehyde is a strong sensitizer and may cause an allergic reaction. Formaldehyde has the potential to cause cancer in humans. Repeated and prolonged exposure increases the risk. In humans, formaldehyde exposure has been associated with cancers of the lungs, nasopharynx and oropharynx, and nasal passages.
<b>Medical Conditions Aggravated by Overexposure</b>	Respiratory conditions.
<b>Overexposure/Signs/Symptoms</b>	

## Section 4. First Aid Measures

Eye Contact	Immediately flush thoroughly with water for at least 15 minutes.
Skin Contact	Wash thoroughly with water. Remove contaminated clothing at once (launder before reuse); discard contaminated shoes.
Inhalation	Remove to fresh air; give artificial respiration if breathing has stopped.
Ingestion	If conscious, dilute, inactivate, or absorb the ingested formaldehyde by giving milk, activated charcoal, or water. Get immediate medical attention.
Notes to Physician	Not available.

## Section 5. Fire Fighting Measures

Flammability of the Product	Not available.
Auto-ignition Temperature	Not available.
Flash Points	None.

<b>Flammable Limits</b>	Not available.
<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>	CO <sub>2</sub> , foam, water.
<b>Protective Clothing (Fire)</b>	Wear self-contained breathing apparatus and protective clothing.
<b>Special Remarks on Fire Hazards</b>	Thermal decomposition produces toxic fumes. Corrosive to most metal when dissolved in water.
<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 listed under section VIII. Eliminate any ignition sources until the area is determined to be free from explosion or fire hazards. Contain the release and eliminate it's source, if this can be done without risk. Take up and containerize for proper disposal as described under Waste Disposal Method. Comply with Federal, State, and local regulations on reporting releases.
<b>Large Spill and Leak</b>	Same as above.

### Section 7, Handling and Storage

<b>Handling</b>	Do not breathe vapor or mist. Do not get in eyes, on skin, or on clothing.
<b>Storage</b>	Keep container tightly closed. Store away from heat, sparks, open flame.

### Section 8. Exposure Controls / Personal Protection

<b>Engineering Controls</b>	
<b>Personal Protection</b>	
<b>Eyes</b>	Safety glasses with side shields must be worn at all times.
<b>Body</b>	Impervious protective clothing must be worn to prevent skin contact.
<b>Respiratory</b>	If workplace exposure limit(s) of product or any component is exceeded (see TLV/PEL), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your safety supplier). Material must be handled or transferred in an approved fume hood or with adequate ventilation.
<b>Hands</b>	Neoprene, Nitrile or equivalent gloves.
<b>Feet</b>	Impervious footwear must be worn to prevent skin contact.
<b>Personal Protection in Case of a Large Spill</b>	All of the 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>	Clear liquid.	<b>Odor:</b>	Not available.
<b>Molecular Weight</b>	Not applicable.	<b>Taste:</b>	Not available.
<b>Molecular Formula</b>	Not applicable.	<b>Color:</b>	Colorless.
<b>pH (1%/Water)</b>	Not applicable.		
<b>Boiling/Condensation Point</b>	Not applicable.		
<b>Melting/Freezing Point</b>	Not applicable.		
<b>Critical Temperature</b>	Not applicable.		
<b>Specific Gravity</b>	Not applicable.		
<b>Vapor Pressure</b>	Not applicable.		
<b>Vapor Density</b>	Not applicable.		
<b>Volatility</b>	Not applicable.		
<b>Odor Threshold</b>	Not applicable.		
<b>Evaporation Rate</b>	Not applicable.		
<b>VOC</b>	Not available.		
<b>Viscosity</b>	Not available.		
<b>Ionicity (in water)</b>	Not available.		

<b>Dispersion Properties</b>	Not available.
<b>Solubility</b>	Miscible in water.
<b>Physical Chemical Comments</b>	Not available.

### Section 10. Stability and Reactivity

<b>Stability and Reactivity</b>	Stable.
<b>Conditions of Instability</b>	Contact with ignition sources.
<b>Incompatibility with Various Substances</b>	Acids, oxidizers, strong alkalies. Contact with HCl may cause formation of the potent carcinogen, bischloromethyl ether.
<b>Hazardous Decomposition Products</b>	CO <sub>x</sub> .
<b>Hazardous Polymerization</b>	Not available.

### Section 11. Toxicological Information

<b>Toxicity to Animals</b>	Formaldehyde LD50 orl-mus: 42 mg/kg. LC50: Not available.						
<b>Chronic Effects on Humans</b>	This product contains the following toxic chemicals 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: <table border="1"> <thead> <tr> <th>CAS #</th> <th>Chemical Name</th> <th>DeMinimis/SARA 313%</th> </tr> </thead> <tbody> <tr> <td>50-00-0</td> <td>Formaldehyde</td> <td>0.1</td> </tr> </tbody> </table>	CAS #	Chemical Name	DeMinimis/SARA 313%	50-00-0	Formaldehyde	0.1
CAS #	Chemical Name	DeMinimis/SARA 313%					
50-00-0	Formaldehyde	0.1					
<b>Other Toxic Effects on Humans</b>							
<b>Special Remarks on Toxicity to Animals</b>	Tests on laboratory animals indicate formaldehyde may cause tumors and may produce adverse mutagenic and reproductive effects. Cited in Registry of Toxic Effects of Substances (RTECS).						
<b>Special Remarks on Chronic Effects on Humans</b>	Not available.						
<b>Special Remarks on Other Toxic Effects on Humans</b>	Not available.						

### Section 12. Ecological Information

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

### Section 13. Disposal Considerations

<b>Waste Information</b>	Not available.
<b>Waste Stream</b>	Not available.
<b>Consult your local or regional authorities.</b>	

### Section 14. Transport Information

<b>DOT Classification</b>	Not hazardous.
<b>Marine Pollutant</b>	Not available.
<b>Hazardous Substances Reportable Quantity</b>	Not available.
<b>Special Provisions for Transport</b>	Not applicable.
<b>TDG Classification</b>	Not controlled under TDG (Canada).
<b>ADR/RID Classification</b>	Not controlled under ADR (Europe).
<b>IMO/IMDG Classification</b>	Not controlled under IMDG.
<b>ICAO/IATA Classification</b>	See IATA Regulations, UN3334, Aviation Regulated Liquid, Formaldehyde

**Section 15. Other Information**

**Label requirements**

<b>Hazardous Material Information System (U.S.A.)</b>	<b>Health</b>	2	<b>National Fire Protection Association (U.S.A.)</b>	
	<b>Fire Hazard</b>	1		
	<b>Reactivity</b>	0		
	<b>Personal Protection</b>			

**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.*