

## BBC Biochemical

## MATERIAL SAFETY DATA SHEET

**Section 1. Chemical Product and Company Information**

<b>Common Name:</b> SkinGyn•Fix™	<b>Code:</b> 1200
<b>Supplier:</b> BBC Biochemical	<b>MSDS#:</b> 1200
<b>Synonym:</b> None	<b>Validation Date:</b> 3-17-09
<b>Trade Name:</b> None	<b>Print Date:</b> 3-17-09
<b>Material Uses:</b> Skin and gynecological tissue fixation for histologic studies	<b>Responsible Name:</b> Dr. B
<b>Manufacturer:</b> BBC Biochemical PO Box 1320 409 Eleanor Lane Mount Vernon, WA 98273 1-800-635-4477	<b>In Case of Emergency:</b> 1-800-424-9300 Chemtrec USA 1-202-483-7616 Chemtrec Intrl 1-800-635-4477

**Section 2. Composition and Information on Ingredients**

Name	CAS#	OSHA PEL/TWA	OSHA PEL/STEL
1) Water	7732-18-5	N/A	N/A
2) Formaldehyde 37%	50-00-0	.75 ppm	2 ppm
3) Selected Buffers	N/A	N/A	N/A

**Section 3. Hazards Identification**

<b>Physical State and Appearance</b>	Colorless liquid.
<b>Emergency Overview</b>	Not available.
<b>Routes of Entry</b>	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.
<b>Medical Conditions</b>	Respiratory conditions.
<b>Aggravated by Overexposure</b>	
<b>Overexposure/Signs/Symptoms</b>	

**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 water. Remove contaminated clothing at once (launder before reuse); discard contaminated shoes.
<b>Inhalation</b>	Remove to fresh air; give artificial respiration if breathing has stopped.
<b>Ingestion</b>	If conscious, dilute, inactivate, or absorb the ingested formaldehyde by giving milk, activated charcoal, or water. Get immediate medical attention.
<b>Notes to Physician</b>	Not available.

**Section 5. Fire Fighting Measures**

<b>Flammability of the Product</b>	Not flammable.
<b>Auto-ignition Temperature</b>	Not available.
<b>Flash Points</b>	None.
<b>Flammable Limits</b>	Not available.
<b>Products of Combustion</b>	Not available.
<b>Fire Hazards in Presence</b>	Thermal decomposition produces toxic fumes. Avoid contact with ignition sources.

**Of Various Substances**

**Explosion Hazards in Presence of Various Substances** Not available.

**Fire Fighting Media and Instructions** Wear self-contained breathing apparatus and protective clothing. Extinguish fire with CO<sub>2</sub>, foam, water.

**Protective Clothing (Fire)**

**Special Remarks on Fire Hazards**

**Special Remarks on Explosion Hazards**

**Section 6. Accidental Release Measures**

**Small Spill and Leak** Evacuate the area of all unnecessary personnel. Wear suitable protective equipment listed under section VIII. Eliminate any ignitions 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.

**Large Spill and Leak** Same as above.

**Section 7, Handling and Storage**

**Handling** Material must be handled or transferred in an approved fume hood or with adequate ventilation. Do not breathe vapor or mist. Do not get in eyes, on skin, or on clothing.

**Storage** Keep container tightly closed. Store away from heat, sparks, open flame.

**Section 8. Exposure Controls / Personal Protection**

**Engineering Controls** Engineering and/or administrative controls should be implemented to reduce exposure.

**Personal Protection**

**Eyes** Safety glasses with side shields must be worn at all times.

**Body** Impervious protective clothing must be worn to prevent skin contact.

**Respiratory** 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).

**Hands** Neoprene, Nitrile or equivalent.

**Feet** Impervious protective footwear must be worn to prevent skin contact.

**Personal Protection in Case of a Large Spill**

Safety glasses with side shields, impervious protective clothing and footwear, respirator if necessary, Neoprene or Nitrile gloves.

**Product Name** **Exposure Limits**

- 1)
- 2)
- 3)

**Consult Local authorities before acceptable exposure limits.**

**Section 9. Physical and Chemical Properties**

**Physical State and Appearance** Colorless liquid. **Odor:** Not available.

**Molecular Weight** Not applicable. **Taste:** Not available.

**Molecular Formula** Not applicable. **Color:** Not available.

**pH (1%/Water)** Not applicable.

**Boiling/Condensation Point** Not applicable.

**Melting/Freezing Point** Not applicable.

**Critical Temperature** Not applicable.

**Specific Gravity** Not applicable.

**Vapor Pressure** Not applicable.

**Vapor Density** Not applicable.

**Volatility** Not applicable.

**Odor Threshold** Not applicable.

**Evaporation Rate** Not applicable.

**VOC** Not available.

**Viscosity** Not available.

**Ionicity (in water)** Not available.

**Dispersion Properties** Not available.

**Solubility** Miscible in water.

Physical Chemical Comments	Not available.
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### Section 10. Stability and Reactivity

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

### Section 11. Toxicological Information

Toxicity to Animals	LD50 37% formaldehyde, CAS 50-00-0 orl-mus 42mg/kg LC50: Not available.
Chronic Effects on Humans	Formaldehyde has the potential to cause cancer in humans. Repeated or prolonged exposure increases the risk. In humans, formaldehyde exposure has been associated with cancers of the lungs, nasopharynx and oropharynx, and nasal passages.
Other Toxic Effects on Humans	
Special Remarks on Toxicity to Animals	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).
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. 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	Not hazardous.
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
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<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>			
<b>References</b>				
<b>Other Special Considerations</b>				
<b>Notice to Reader</b>				
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