

## BBC Biochemical

## MATERIAL SAFETY DATA SHEET

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

Common Name: Poly•Plast 524™	Code: 9335
Supplier: BBC Biochemical	MSDS#: 9335
Synonym: Not Available	Validation Date: 3-6-09
Trade Name: Not Available	Print Date: 3-6-09
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	In Case of Emergency: 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#	% by Weight	Exposure Limits
1) Paraffin	8002-74-2	Percentage composition is withheld as a trade secret.	ACFIH: TLV 2mg/m3 8HTWA (fume) Not Available OSHA PEL: 10mg/m3 8HTWA (Inhalable fraction)
2) Resin	Proprietary		
3) Butylated Hydroxytoluene	128-37-0		

**Section 3. Hazards Identification**

Physical State and Appearance	Small White Pellets
Emergency Overview	Not available.
Routes of Entry	Eye contact, ingestion, skin contact.
Potential Acute Health Effects	
Eyes	Irritation, may cause slight transient irritation
Skin	May cause irritation.
Inhalation	Irritation to nose, throat and respiratory system.
Ingestion	May cause allergic reaction. Irritation to throat and respiratory system.
Potential Chronic Health Effects	Prolonged and repeated contact causes a hardening or tanning effect. May cause contact dermatitis.
Medical Conditions Aggravated by Overexposure	
Overexposure/Signs/Symptoms	

**Section 4. First Aid Measures**

Eye Contact	Immediately flush thoroughly with water for at least 15 minutes.
Skin Contact	Wash area thoroughly with copious amounts of water. Remove contaminated clothing and clean before wearing again. If skin irritation develops discontinue use. Seek medical attention if symptoms persist.
Inhalation	Remove to fresh air; give artificial respiration if breathing has stopped.
Ingestion	Do not induce vomiting, drink 2 glasses of water to dilute stomach contents. In unconscious or convulsing get immediate medical attention.
Notes to Physician	Not available.

**Section 5. Fire Fighting Measures**

Flammability of the Product	Not Flammable.
Auto-ignition Temperature	Not available.
Flash Points	Not available.

<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>	This product may give rise hazardous fumes in a fire.
<b>Fire Fighting Media and Instructions</b>	CO <sub>2</sub> , foam, water. Wear self-contained breathing apparatus and protective clothing.
<b>Protective Clothing (Fire)</b>	
<b>Special Remarks on Fire Hazards</b>	
<b>Special Remarks on Explosion Hazards</b>	

### Section 6. Accidental Release Measures

<b>Small Spill and Leak</b>	Collect product by carefully scooping into a pan. If wax is hot, let cool before collecting and use appropriate tools to scrape the wax into suitable containers for disposal.
<b>Large Spill and Leak</b>	Same as above.

### Section 7, Handling and Storage

<b>Handling</b>	Wear protective gloves and chemical safety glasses when handling.
<b>Storage</b>	Store in cool dry place with adequate ventilation. Keep away from incompatible agents.

### Section 8. Exposure Controls / Personal Protection

<b>Engineering Controls</b>	No specific measures needed. Good ventilation to contain airborne levels since heating product may create additional fumes.	
<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). Engineering and/or administrative controls should be implemented to reduce exposure. 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>	Not available.	
<b>Personal Protection in Case of a Large Spill</b>	Safety glasses with side shields, impervious protective clothing, respirator if necessary and neoprene, nitrile or equivalent gloves.	
<b>Product Name</b>	<b>Exposure Limits</b>	
1)Parrafin	ACFIH: TLV 2mg/m <sup>3</sup> 8HTWA (fume)	
2)Resin	Not available	
3)Butylated Hydroxytoluene	OSHA PEL: 10mg/m <sup>3</sup> 8HTWA (Inhalable fraction)	
<b>Consult Local authorities before acceptable exposure limits.</b>		

### Section 9. Physical and Chemical Properties

<b>Physical State and Appearance</b>	White / Translucent Pellets.	<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>	White
<b>pH (1%/Water)</b>	Not applicable.		
<b>Boiling/Condensation Point</b>	Not applicable.		
<b>Melting/Freezing Point</b>	47-65° C		
<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.		

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

### Section 10. Stability and Reactivity

Stability and Reactivity	Stable.
Conditions of Instability	Avoid contact with ignition sources. Avoid high temperatures.
Incompatibility with Various Substances	Acids, oxidizers, strong alkalies. Contact with HCl may cause formation of the potent carcinogen, bischloromethyl ether. Reducing Agents
Hazardous Decomposition Products	Metal•O, HCl, Cl, CO <sub>x</sub>
Hazardous Polymerization	Not available.

### Section 11. Toxicological Information

Toxicity to Animals	LD50: Not available. LC50: Not available.
Chronic Effects on Humans	No relevant studies identified.
Other Toxic Effects on Humans	No relevant studies identified.
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	Not available.
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	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**

<b>Hazardous Material Information System (U.S.A.)</b>	<b>Health</b>	1	<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.*

## BBC Biochemical

## MATERIAL SAFETY DATA SHEET

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

Common Name: Poly•Plast 568™	Code: 9336
Supplier: BBC Biochemical	MSDS#: 9336
Synonym: Not Available	Validation Date: 4-17-09
Trade Name: Not Available	Print Date: 4-17-09
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	In Case of Emergency: 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#	% by Weight	Exposure Limits
1) Paraffin	8002-74-2	Percentage composition is withheld as a trade secret.	ACFIH: TLV 2mg/m3 8HTWA (fume)
2) Polyisobutylene	9003-27-4		Not Available

**Section 3. Hazards Identification**

Physical State and Appearance	Small White Pellets
Emergency Overview	Not available.
Routes of Entry	Eye contact, ingestion, skin contact.
Potential Acute Health Effects	
<b>Eyes</b>	Irritation, may cause slight transient irritation
<b>Skin</b>	May cause irritation.
<b>Inhalation</b>	Irritation to nose, throat and respiratory system.
<b>Ingestion</b>	May cause allergic reaction. Irritation to throat and respiratory system.
Potential Chronic Health Effects	Prolonged and repeated contact causes a hardening or tanning effect. May cause contact dermatitis.
Medical Conditions Aggravated by Overexposure/Overexposure/Signs/Symptoms	

**Section 4. First Aid Measures**

Eye Contact	Immediately flush thoroughly with water for at least 15 minutes.
Skin Contact	Wash area thoroughly with copious amounts of water. Remove contaminated clothing and clean before wearing again. If skin irritation develops discontinue use. Seek medical attention if symptoms persist.
Inhalation	Remove to fresh air; give artificial respiration if breathing has stopped.
Ingestion	Do not induce vomiting, drink 2 glasses of water to dilute stomach contents. In unconscious or convulsing get immediate medical attention.
Notes to Physician	Not available.

**Section 5. Fire Fighting Measures**

Flammability of the Product	Not Flammable.
Auto-ignition Temperature	Not available.
Flash Points	Not available.
Flammable Limits	Not available.
Products of Combustion	Not available.
Fire Hazards in Presence	Not available.

**Of Various Substances**

**Explosion Hazards in Presence of Various Substances** This product may give rise hazardous fumes in a fire.

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

**Protective Clothing (Fire)**

**Special Remarks on Fire Hazards**

**Special Remarks on Explosion Hazards**

**Section 6. Accidental Release Measures**

**Small Spill and Leak** Collect product by carefully scooping into a pan. If wax is hot, let cool before collecting and use appropriate tools to scrape the wax into suitable containers for disposal.

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

**Section 7, Handling and Storage**

**Handling** Wear protective gloves and chemical safety glasses when handling.

**Storage** Store in cool dry place with adequate ventilation. Keep away from incompatible agents.

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

**Engineering Controls** No specific measures needed. Good ventilation to contain airborne levels since heating product may create additional fumes.

**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). Engineering and/or administrative controls should be implemented to reduce exposure. Material must be handled or transferred in an approved fume hood or with adequate ventilation.

**Hands** Neoprene, nitrile or equivalent gloves.

**Feet** Not available.

**Personal Protection in Case of a Large Spill** Safety glasses with side shields, impervious protective clothing, respirator if necessary and neoprene, nitrile or equivalent gloves.

**Product Name Exposure Limits**

1)Parrafin ACFIH: TLV 2mg/m<sup>3</sup> 8HTWA (fume)

2)Polyisobutylene Not available

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

**Section 9. Physical and Chemical Properties**

**Physical State and Appearance** White / Translucent Pellets. **Odor:** Not available.

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

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

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

**Boiling/Condensation Point** Not applicable.

**Melting/Freezing Point** 47-65° C

**Critical Temperature** Not applicable.

**Specific Gravity** 0.80

**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.

<b>Dispersion Properties</b>	Not available.
<b>Solubility</b>	Not 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>	Avoid contact with ignition sources. Avoid high temperatures.
<b>Incompatibility with Various Substances</b>	Acids, oxidizers, strong alkalis. Contact with HCl may cause formation of the potent carcinogen, bischloromethyl ether. Reducing Agents
<b>Hazardous Decomposition Products</b>	Metal•O, HCl, CL, CO <sub>x</sub>
<b>Hazardous Polymerization</b>	Not available.

### **Section 11. Toxicological Information**

<b>Toxicity to Animals</b>	LD50: Not available. LC50: Not available.
<b>Chronic Effects on Humans</b>	No relevant studies identified.
<b>Other Toxic Effects on Humans</b>	No relevant studies identified.
<b>Special Remarks on Toxicity to Animals</b>	Not available.
<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 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>	Not controlled under IATA.

**Section 15. Other Information**

**Label requirements**

<b>Hazardous Material Information System (U.S.A.)</b>	<b>Health</b>	1	<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**

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## BBC Biochemical

## MATERIAL SAFETY DATA SHEET

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

Common Name: Poly•Plast Excel™	Code: 9337
Supplier: BBC Biochemical	MSDS#: 9337
Synonym: Not Available	Validation Date: 4-17-09
Trade Name: Not Available	Print Date: 4-17-09
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	In Case of Emergency: 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#	% by Weight	Exposure Limits
1) Paraffin	8002-74-2	Percentage composition is withheld as a trade secret.	ACFIH: TLV 2mg/m3 8HTWA (fume)
2) Polyisobutylene	9003-27-4		Not Available
3) Dimethylsulfoxide	67-68-5		Not Available

**Section 3. Hazards Identification**

Physical State and Appearance	Small White Pellets
Emergency Overview	Not available.
Routes of Entry	Eye contact, ingestion, skin contact.
Potential Acute Health Effects	
Eyes	Irritation, may cause slight transient irritation
Skin	May cause irritation.
Inhalation	Irritation to nose, throat and respiratory system.
Ingestion	May cause allergic reaction. Irritation to throat and respiratory system.
Potential Chronic Health Effects	Prolonged and repeated contact causes a hardening or tanning effect. May cause contact dermatitis.
Medical Conditions	
Aggravated by	
Overexposure	
Overexposure/ Signs/Symptoms	

**Section 4. First Aid Measures**

Eye Contact	Immediately flush thoroughly with water for at least 15 minutes.
Skin Contact	Wash area thoroughly with copious amounts of water. Remove contaminated clothing and clean before wearing again. If skin irritation develops discontinue use. Seek medical attention if symptoms persist.
Inhalation	Remove to fresh air; give artificial respiration if breathing has stopped.
Ingestion	Do not induce vomiting, drink 2 glasses of water to dilute stomach contents. In unconscious or convulsing get immediate medical attention.
Notes to Physician	Not available.

**Section 5. Fire Fighting Measures**

Flammability of the Product	Not Flammable.
Auto-ignition Temperature	Not available.
Flash Points	Not available.
Flammable Limits	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>	This product may give rise hazardous fumes in a fire.
<b>Fire Fighting Media and Instructions</b>	CO <sub>2</sub> , foam, water. Wear self-contained breathing apparatus and protective clothing.
<b>Protective Clothing (Fire)</b>	
<b>Special Remarks on Fire Hazards</b>	
<b>Special Remarks on Explosion Hazards</b>	

### Section 6. Accidental Release Measures

<b>Small Spill and Leak</b>	Collect product by carefully scooping into a pan. If wax is hot, let cool before collecting and use appropriate tools to scrape the wax into suitable containers for disposal.
<b>Large Spill and Leak</b>	Same as above.

### Section 7, Handling and Storage

<b>Handling</b>	Wear protective gloves and chemical safety glasses when handling.
<b>Storage</b>	Store in cool dry place with adequate ventilation. Keep away from incompatible agents.

### Section 8. Exposure Controls / Personal Protection

<b>Engineering Controls</b>	No specific measures needed. Good ventilation to contain airborne levels since heating product may create additional fumes.	
<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). Engineering and/or administrative controls should be implemented to reduce exposure. 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>	Not available.	
<b>Personal Protection in Case of a Large Spill</b>	Safety glasses with side shields, impervious protective clothing, respirator if necessary and neoprene, nitrile or equivalent gloves.	
<b>Product Name</b>	<b>Exposure Limits</b>	
1)Parrafin	ACFIH: TLV 2mg/m3 8HTWA (fume)	
2)Polyisobutylene	Not available	
3)Dimethylsulfoxed	Not available	
<b>Consult Local authorities before acceptable exposure limits.</b>		

### Section 9. Physical and Chemical Properties

<b>Physical State and Appearance</b>	White / Translucent Pellets.	<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>	White
<b>pH (1%/Water)</b>	Not applicable.		
<b>Boiling/Condensation Point</b>	Not applicable.		
<b>Melting/Freezing Point</b>	47-65° C		
<b>Critical Temperature</b>	Not applicable.		
<b>Specific Gravity</b>	0.80		
<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.		

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

### Section 10. Stability and Reactivity

Stability and Reactivity	Stable.
Conditions of Instability	Avoid contact with ignition sources. Avoid high temperatures.
Incompatibility with Various Substances	Acids, oxidizers, strong alkalies. Contact with HCl may cause formation of the potent carcinogen, bischloromethyl ether. Reducing Agents
Hazardous Decomposition Products	Metal•O, HCl, Cl, CO <sub>x</sub>
Hazardous Polymerization	Not available.

### Section 11. Toxicological Information

Toxicity to Animals	LD50: Not available. LC50: Not available.
Chronic Effects on Humans	No relevant studies identified.
Other Toxic Effects on Humans	No relevant studies identified.
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	Not available.
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	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**

<b>Hazardous Material Information System (U.S.A.)</b>	<b>Health</b>	1	<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**

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