

27103-3129

MSDS **MATERIAL SAFETY DATA SHEET**
 RUPERT, GIBBON & SPIDER PO BOX 425, HEALDSBURG CA, 95448 TEL.: (707) 433-9577 FAX: (707) 433-4906

Pearl Ex Pearl White

MSDS No: 651 **Effective Date:** 2/28/01 **Amendatory Date:** 3/14/7

1. Product Identification

Product Code: 651

2. Composition/Information on Ingredients

Ingredients	%	ACGTH-TLV	OSHA-PEL	CAS No.
Titanium dioxide	20-24	10q mg/m ³	10q mg/m ³	1317-70-0
Mica	76-80	3c mg/m ³	3c mg/m ³	12001-26-2

c. respirable dust; q. total dust and containing no asbestos and <1% free silica; N/A Not Available

3. Physical & Chemical Characteristics

Boiling Point: N/A
Vapor Pressure: N/A
Vapor Density: N/A
Solubility in Water: Not soluble
Appearance & Odor: White powder
Specific Gravity: N/A
Melting Point: N/A
Evaporation Rate: N/A

4. Fire & Explosion Data

Flash Point: N/A
Auto Ignition: N/A
Extinguishing Media: Water spray, foam, carbon dioxide or dry chemical
Special Fire Procedures: N/A
Unusual Hazards: N/A

5. Reactivity Data

Stable: Stable
Conditions to Avoid: N/A
Incompatibility: N/A
Hazardous Decomposition: Carbon monoxide and carbon dioxide
Hazardous Polymerization: Will not occur

6. Health Hazards

Routes of Entry: Eyes, inhalation and ingestion
Acute: Persistent cough and possible difficulty breathing.
Chronic: Chronic inhalation may cause pulmonary fibrosis
Signs & Symptoms of Exposure: Dust may cause mechanical irritation to the eyes and respiratory tract. May cause pulmonary fibrosis and permanent damage when ingested in large quantities over long periods of time.
Medical Conditions Aggravated: None known other than those that could be aggravated by dust exposure such as respiratory impairment.
Carcinogenic: N/A

7. Emergency & First Aid Procedures

Inhalation: Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation.

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Eyes: Immediately flush with plenty of water for at least 15 minutes. If discomfort persists, get medical attention.

Skin: Wash affected area with soap and water.

Ingestion: Do NOT induce vomiting. If victim is conscious and alert, give 2-4 glasses of milk or water. Get medical attention.

8. Special Precautions & Spill/Leak Procedures

Handling & Storage: Wash thoroughly after handling. Remove contaminated clothing and wash it before reuse. Provide adequate ventilation. Keep container tightly closed to minimize dust generation. Avoid ingestion, inhalation and contact with eyes and skin. The packages should be sound and puncture-proof, press-proof and damp-proof. Store in a dry, well ventilated place.

Steps if Spilled: Vacuum or sweep up material and place it into a suitable disposal container. Clean up spills immediately, observe precautions in Protective Equipment section. Avoid generating the phenomenon of dust. Provide ventilation.

Waste Disposal: Dispose of in accordance with all state, local and federal regulations.

9. Special Protection Information

Respiratory Protection: NIOSH approved dust respirator

Ventilation: Local exhaust

Protective Gloves: Rubber or plastic

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles.

Other Protection: plastic apron, sleeves and boots if handling large quantities. Safety showers and eyewash stations

Work/Hygienic Practices: Follow general industrial hygiene

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27103-8005

MSDS **MATERIAL SAFETY DATA SHEET**
 RUPERT, GIBBON & SPIDER PO BOX 425, HEALDSBURG CA, 95448 TEL: (707) 433-9577 FAX: (707) 433-4906

Pearl Ex Mink

MSDS No: 646 **Effective Date:** 2/28/01 **Amendatory Date:** 3/14/7

1. Product Identification

Product Code: 646

2. Composition/Information on Ingredients

Ingredients	%	ACGTH-TLV	OSHA-PEL	CAS No.
Mica	32-36	3c mg/m ³	3c mg/m ³	12001-26-2
Iron (III) Oxide	64-68	5u mg/m ³	10d mg/m ³	1309-37-1

c. respirable dust; q. total dust and containing no asbestos and <1% free silica; N/A Not Available

3. Physical & Chemical Characteristics

Boiling Point: N/A

Vapor Pressure: N/A

Vapor Density: N/A

Solubility in Water: Not soluble

Appearance & Odor: Dark brown powder

Specific Gravity: 3.10-3.20 g/cm³

Melting Point: N/A

Evaporation Rate: N/A

4. Fire & Explosion Data

Flash Point: N/A

Auto Ignition: N/A

Extinguishing Media: Water spray, foam, carbon dioxide or dry chemical

Special Fire Procedures: N/A

Unusual Hazards: N/A

5. Reactivity Data

Stable: Stable

Conditions to Avoid: N/A

Incompatibility: N/A

Hazardous Decomposition: Carbon monoxide and carbon dioxide

Hazardous Polymerization: Will not occur

6. Health Hazards

Routes of Entry: Eyes, inhalation and ingestion

Acute: Persistent cough and possible difficulty breathing.

Chronic: Chronic inhalation may cause pulmonary fibrosis

Signs & Symptoms of Exposure: Dust may cause mechanical irritation to the eyes and respiratory tract. May cause pulmonary fibrosis and permanent damage when ingested in large quantities over long periods of time.

Medical Conditions Aggravated: None known other than those that could be aggravated by dust exposure such as respiratory impairment.

Carcinogenic: N/A

7. Emergency & First Aid Procedures

Inhalation: Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation.

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Eyes: Immediately flush with plenty of water for at least 15 minutes. If discomfort persists, get medical attention.

Skin: Wash affected area with soap and water.

Ingestion: Do NOT induce vomiting. If victim is conscious and alert, give 2-4 glasses of milk or water. Get medical attention.

8. Special Precautions & Spill/Leak Procedures

Handling & Storage: Wash thoroughly after handling. Remove contaminated clothing and wash it before reuse. Provide adequate ventilation. Keep container tightly closed to minimize dust generation. Avoid ingestion, inhalation and contact with eyes and skin. The packages should be sound and puncture-proof, press-proof and damp-proof. Store in a dry, well ventilated place.

Steps if Spilled: Vacuum or sweep up material and place it into a suitable disposal container. Clean up spills immediately, observe precautions in Protective Equipment section. Avoid generating the phenomenon of dust. Provide ventilation.

Waste Disposal: Dispose of in accordance with all state, local and federal regulations.

9. Special Protection Information

Respiratory Protection: NIOSH approved dust respirator

Ventilation: Local exhaust

Protective Gloves: Rubber or plastic

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles.

Other Protection: plastic apron, sleeves and boots if handling large quantities. Safety showers and eyewash stations

Work/Hygienic Practices: Follow general industrial hygiene

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27103-2125

MSDS **MATERIAL SAFETY DATA SHEET**
 RUPERT, GIBBON & SPIDER PO BOX 425, HEALDSBURG CA. 95448 TEL: (707) 433-9577 FAX: (707) 433-4906

Pearl Ex Carbon Black

MSDS No: 640 **Effective Date:** 2/28/01 **Amendatory Date:** 3/14/7

1. Product Identification

Product Code: 640

2. Composition/Information on Ingredients

Ingredients	%	ACGTH-TLV	OSHA-PEL	CAS No.
Titanium dioxide	5-9	10q mg/m3	10q mg/m3	1317-70-0
Mica	38-48	3c mg/m3	3c mg/m3	12001-26-2
Iron Oxide Black	47-53	N/A	N/A	1317-61-9

c. respirable dust; q. total dust and containing no asbestos and <1% free silica; N/A Not Available

3. Physical & Chemical Characteristics

Boiling Point: N/A
Vapor Pressure: N/A
Vapor Density: N/A
Solubility in Water: Not soluble
Appearance & Odor: Black powder
Specific Gravity: N/A
Melting Point: N/A
Evaporation Rate: N/A

4. Fire & Explosion Data

Flash Point: N/A
Auto Ignition: N/A
Extinguishing Media: Water spray, foam, carbon dioxide or dry chemical
Special Fire Procedures: N/A
Unusual Hazards: N/A

5. Reactivity Data

Stable: Stable
Conditions to Avoid: N/A
Incompatibility: N/A
Hazardous Decomposition: Carbon monoxide and carbon dioxide
Hazardous Polymerization: Will not occur

6. Health Hazards

Routes of Entry: Eyes, inhalation and ingestion
Acute: Persistent cough and possible difficulty breathing.
Chronic: Chronic inhalation may cause pulmonary fibrosis
Signs & Symptoms of Exposure: Dust may cause mechanical irritation to the eyes and respiratory tract. May cause pulmonary fibrosis and permanent damage when ingested in large quantities over long periods of time.
Medical Conditions Aggravated: None known other than those that could be aggravated by dust exposure such as respiratory impairment.
Carcinogenic: N/A

7. Emergency & First Aid Procedures

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Inhalation: Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation.

Eyes: Immediately flush with plenty of water for at least 15 minutes. If discomfort persists, get medical attention.

Skin: Wash affected area with soap and water.

Ingestion: Do NOT induce vomiting. If victim is conscious and alert, give 2-4 glasses of milk or water. Get medical attention.

8. Special Precautions & Spill/Leak Procedures

Handling & Storage: Wash thoroughly after handling. Remove contaminated clothing and wash it before reuse. Provide adequate ventilation. Keep container tightly closed to minimize dust generation. Avoid ingestion, inhalation and contact with eyes and skin. The packages should be sound and puncture-proof, press-proof and damp-proof. Store in a dry, well ventilated place.

Steps if Spilled: Vacuum or sweep up material and place it into a suitable disposal container. Clean up spills immediately, observe precautions in Protective Equipment section. Avoid generating the phenomenon of dust. Provide ventilation.

Waste Disposal: Dispose of in accordance with all state, local and federal regulations.

9. Special Protection Information

Respiratory Protection: NIOSH approved dust respirator

Ventilation: Local exhaust

Protective Gloves: Rubber or plastic

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles.

Other Protection: plastic apron, sleeves and boots if handling large quantities. Safety showers and eyewash stations

Work/Hygienic Practices: Follow general industrial hygiene

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: **27103-3095**

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 RUPERT, GIBBON & SPIDER PO BOX 425, HEALDSBURG CA. 95448 TEL: (707) 433-9577 FAX: (707) 433-4906

Pearl Ex Pink Gold

MSDS No: 643 **Effective Date:** 2/28/01 **Amendatory Date:** 3/14/7

1. Product Identification

Product Code: 643

2. Composition/Information on Ingredients

Ingredients	%	ACGTH-TLV	OSHA-PEL	CAS No.
Titanium dioxide	40-44	10q mg/m ³	10q mg/m ³	13463-67-7
Mica	56-60	3c mg/m ³	3c mg/m ³	12001-26-2
Tin Oxide	<1	2 mg/m ³	2 mg/m ³	18282-10-5
Red pigment	<2	N/A	N/A	N/A

c. respirable dust; q. total dust and containing no asbestos and <1% free silica; N/A Not Available

3. Physical & Chemical Characteristics

Boiling Point: N/A

Vapor Pressure: N/A

Vapor Density: N/A

Solubility in Water: Not soluble

Appearance & Odor: Pink powder

Specific Gravity: 3.10-3.20 g/cm³

Melting Point: N/A

Evaporation Rate: N/A

4. Fire & Explosion Data

Flash Point: N/A

Auto Ignition: N/A

Extinguishing Media: Water spray, foam, carbon dioxide or dry chemical

Special Fire Procedures: N/A

Unusual Hazards: N/A

5. Reactivity Data

Stable: Stable

Conditions to Avoid: N/A

Incompatibility: N/A

Hazardous Decomposition: Carbon monoxide and carbon dioxide

Hazardous Polymerization: Will not occur

6. Health Hazards

Routes of Entry: Eyes, inhalation and ingestion

Acute: Persistent cough and possible difficulty breathing.

Chronic: Chronic inhalation may cause pulmonary fibrosis

Signs & Symptoms of Exposure: Dust may cause mechanical irritation to the eyes and respiratory tract. May cause pulmonary fibrosis and permanent damage when ingested in large quantities over long periods of time.

Medical Conditions Aggravated: None known other than those that could be aggravated by dust exposure such as respiratory impairment.

Carcinogenic: N/A

7. Emergency & First Aid Procedures

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Inhalation: Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation.

Eyes: Immediately flush with plenty of water for at least 15 minutes. If discomfort persists, get medical attention.

Skin: Wash affected area with soap and water.

Ingestion: Do NOT induce vomiting. If victim is conscious and alert, give 2-4 glasses of milk or water. Get medical attention.

8. Special Precautions & Spill/Leak Procedures

Handling & Storage: Wash thoroughly after handling. Remove contaminated clothing and wash it before reuse. Provide adequate ventilation. Keep container tightly closed to minimize dust generation. Avoid ingestion, inhalation and contact with eyes and skin. The packages should be sound and puncture-proof, press-proof and damp-proof. Store in a dry, well ventilated place.

Steps if Spilled: Vacuum or sweep up material and place it into a suitable disposal container. Clean up spills immediately, observe precautions in Protective Equipment section. Avoid generating the phenomenon of dust. Provide ventilation.

Waste Disposal: Dispose of in accordance with all state, local and federal regulations.

9. Special Protection Information

Respiratory Protection: NIOSH approved dust respirator

Ventilation: Local exhaust

Protective Gloves: Rubber or plastic

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles.

Other Protection: plastic apron, sleeves and boots if handling large quantities. Safety showers and eyewash stations

Work/Hygienic Practices: Follow general industrial hygiene

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27103-4625

MSDS **MATERIAL SAFETY DATA SHEET**
 RUPERT, GIBBON & SPIDER PO BOX 425, HEALDSBURG CA, 95448 TEL: (707) 433-9577 FAX: (707) 433-4906

Pearl Ex Pumpkin Orange

MSDS No: 641 **Effective Date:** 2/28/01 **Amendatory Date:** 3/14/7

1. Product Identification

Product Code: 641

2. Composition/Information on Ingredients

Ingredients	%	ACGTH-TLV	OSHA-PEL	CAS No.
Titanium Dioxide	38	10q mg/m ³	10q mg/m ³	13463-67-7
Mica	47.6	3c mg/m ³	3c mg/m ³	12001-26-2

c. respirable dust; q. total dust and containing no asbestos and <1% free silica; N/A Not Available

3. Physical & Chemical Characteristics

Boiling Point: N/A
Vapor Pressure: N/A
Vapor Density: N/A
Solubility in Water: Not soluble
Appearance & Odor: Orange powder
Specific Gravity: 3.10-3.20 g/cm³
Melting Point: N/A
Evaporation Rate: N/A

4. Fire & Explosion Data

Flash Point: N/A
Auto Ignition: N/A
Extinguishing Media: Water spray, foam, carbon dioxide or dry chemical
Special Fire Procedures: N/A
Unusual Hazards: N/A

5. Reactivity Data

Stable: Stable
Conditions to Avoid: N/A
Incompatibility: N/A
Hazardous Decomposition: Carbon monoxide and carbon dioxide
Hazardous Polymerization: Will not occur

6. Health Hazards

Routes of Entry: Eyes, inhalation and ingestion
Acute: Persistent cough and possible difficulty breathing.
Chronic: Chronic inhalation may cause pulmonary fibrosis
Signs & Symptoms of Exposure: Dust may cause mechanical irritation to the eyes and respiratory tract. May cause pulmonary fibrosis and permanent damage when ingested in large quantities over long periods of time.
Medical Conditions Aggravated: None known other than those that could be aggravated by dust exposure such as respiratory impairment.
Carcinogenic: N/A

7. Emergency & First Aid Procedures

Inhalation: Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation.

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Eyes: Immediately flush with plenty of water for at least 15 minutes. If discomfort persists, get medical attention.

Skin: Wash affected area with soap and water.

Ingestion: Do NOT induce vomiting. If victim is conscious and alert, give 2-4 glasses of milk or water. Get medical attention.

8. Special Precautions & Spill/Leak Procedures

Handling & Storage: Wash thoroughly after handling. Remove contaminated clothing and wash it before reuse. Provide adequate ventilation. Keep container tightly closed to minimize dust generation. Avoid ingestion, inhalation and contact with eyes and skin. The packages should be sound and puncture-proof, press-proof and damp-proof. Store in a dry, well ventilated place.

Steps if Spilled: Vacuum or sweep up material and place it into a suitable disposal container. Clean up spills immediately, observe precautions in Protective Equipment section. Avoid generating the phenomenon of dust. Provide ventilation.

Waste Disposal: Dispose of in accordance with all state, local and federal regulations.

9. Special Protection Information

Respiratory Protection: NIOSH approved dust respirator

Ventilation: Local exhaust

Protective Gloves: Rubber or plastic

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles.

Other Protection: plastic apron, sleeves and boots if handling large quantities. Safety showers and eyewash stations

Work/Hygienic Practices: Follow general industrial hygiene

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27103-6155

MSDS **MATERIAL SAFETY DATA SHEET**
 RUPERT, GIBBON & SPIDER PO BOX 425, HEALDSBURG CA, 95448 TEL: (707) 433-9577 FAX: (707) 433-4906

Pearl Ex Grey Lavender

MSDS No: 645 **Effective Date:** 2/28/01 **Amendatory Date:** 3/14/7

1. Product Identification

Product Code: 645

2. Composition/Information on Ingredients

Ingredients	%	ACGTH-TLV	OSHA-PEL	CAS No.
Titanium dioxide	49-52	10q mg/m ³	10q mg/m ³	13463-67-7
Mica	46-50	3c mg/m ³	3c mg/m ³	12001-26-2
Tin Oxide	≤1	2 mg/m ³	2 mg/m ³	18282-10-5
Pigment violet 23	≤1	N/A	N/A	6358-30-1

c. respirable dust; q. total dust and containing no asbestos and <1% free silica; N/A Not Available

3. Physical & Chemical Characteristics

Boiling Point: N/A

Vapor Pressure: N/A

Vapor Density: N/A

Solubility in Water: Not soluble

Appearance & Odor: Purple powder

Specific Gravity: 3.10-3.20 g/cm³

Melting Point: N/A

Evaporation Rate: N/A

4. Fire & Explosion Data

Flash Point: N/A

Auto Ignition: N/A

Extinguishing Media: Water spray, foam, carbon dioxide or dry chemical

Special Fire Procedures: N/A

Unusual Hazards: N/A

5. Reactivity Data

Stable: Stable

Conditions to Avoid: N/A

Incompatibility: N/A

Hazardous Decomposition: Carbon monoxide and carbon dioxide

Hazardous Polymerization: Will not occur

6. Health Hazards

Routes of Entry: Eyes, inhalation and ingestion

Acute: Persistent cough and possible difficulty breathing.

Chronic: Chronic inhalation may cause pulmonary fibrosis

Signs & Symptoms of Exposure: Dust may cause mechanical irritation to the eyes and respiratory tract. May cause pulmonary fibrosis and permanent damage when ingested in large quantities over long periods of time.

Medical Conditions Aggravated: None known other than those that could be aggravated by dust exposure such as respiratory impairment.

Carcinogenic: N/A

7. Emergency & First Aid Procedures

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Inhalation: Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation.

Eyes: Immediately flush with plenty of water for at least 15 minutes. If discomfort persists, get medical attention.

Skin: Wash affected area with soap and water.

Ingestion: Do NOT induce vomiting. If victim is conscious and alert, give 2-4 glasses of milk or water. Get medical attention.

8. Special Precautions & Spill/Leak Procedures

Handling & Storage: Wash thoroughly after handling. Remove contaminated clothing and wash it before reuse. Provide adequate ventilation. Keep container tightly closed to minimize dust generation. Avoid ingestion, inhalation and contact with eyes and skin. The packages should be sound and puncture-proof, press-proof and damp-proof. Store in a dry, well ventilated place.

Steps if Spilled: Vacuum or sweep up material and place it into a suitable disposal container. Clean up spills immediately. observe precautions in Protective Equipment section. Avoid generating the phenomenon of dust. Provide ventilation.

Waste Disposal: Dispose of in accordance with all state, local and federal regulations.

9. Special Protection Information

Respiratory Protection: NIOSH approved dust respirator

Ventilation: Local exhaust

Protective Gloves: Rubber or plastic

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles.

Other Protection: plastic apron, sleeves and boots if handling large quantities. Safety showers and eyewash stations

Work/Hygienic Practices: Follow general industrial hygiene

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27103-6795

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 RUPERT, GIBBON & SPIDER PO BOX 425, HEALDSBURG CA, 95448 TEL: (707) 433-9577 FAX: (707) 433-4906

Pearl Ex Reflex Violet

MSDS No: 644 **Effective Date:** 2/28/01 **Amendatory Date:** 3/14/7

1. Product Identification

Product Code: 644

2. Composition/Information on Ingredients

Ingredients	%	ACGTH-TLV	OSHA-PEL	CAS No.
Titanium dioxide	49-52	10q mg/m ³	10q mg/m ³	13463-67-7
Mica	46-50	3c mg/m ³	3c mg/m ³	12001-26-2
Tin Oxide	<1	2 mg/m ³	2 mg/m ³	18282-10-5
Pigment violet 23	≤1	N/A	N/A	6358-30-1

c. respirable dust; q. total dust and containing no asbestos and <1% free silica; N/A Not Available

3. Physical & Chemical Characteristics

Boiling Point: N/A

Vapor Pressure: N/A

Vapor Density: N/A

Solubility in Water: Not soluble

Appearance & Odor: Purple powder

Specific Gravity: 3.10-3.20 g/cm³

Melting Point: N/A

Evaporation Rate: N/A

4. Fire & Explosion Data

Flash Point: N/A

Auto Ignition: N/A

Extinguishing Media: Water spray, foam, carbon dioxide or dry chemical

Special Fire Procedures: N/A

Unusual Hazards: N/A

5. Reactivity Data

Stable: Stable

Conditions to Avoid: N/A

Incompatibility: N/A

Hazardous Decomposition: Carbon monoxide and carbon dioxide

Hazardous Polymerization: Will not occur

6. Health Hazards

Routes of Entry: Eyes, inhalation and ingestion

Acute: Persistent cough and possible difficulty breathing.

Chronic: Chronic inhalation may cause pulmonary fibrosis

Signs & Symptoms of Exposure: Dust may cause mechanical irritation to the eyes and respiratory tract. May cause pulmonary fibrosis and permanent damage when ingested in large quantities over long periods of time.

Medical Conditions Aggravated: None known other than those that could be aggravated by dust exposure such as respiratory impairment.

Carcinogenic: N/A

7. Emergency & First Aid Procedures

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Inhalation: Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation.

Eyes: Immediately flush with plenty of water for at least 15 minutes. If discomfort persists, get medical attention.

Skin: Wash affected area with soap and water.

Ingestion: Do NOT induce vomiting. If victim is conscious and alert, give 2-4 glasses of milk or water. Get medical attention.

8. Special Precautions & Spill/Leak Procedures

Handling & Storage: Wash thoroughly after handling. Remove contaminated clothing and wash it before reuse. Provide adequate ventilation. Keep container tightly closed to minimize dust generation. Avoid ingestion, inhalation and contact with eyes and skin. The packages should be sound and puncture-proof, press-proof and damp-proof. Store in a dry, well ventilated place.

Steps if Spilled: Vacuum or sweep up material and place it into a suitable disposal container. Clean up spills immediately, observe precautions in Protective Equipment section. Avoid generating the phenomenon of dust. Provide ventilation.

Waste Disposal: Dispose of in accordance with all state, local and federal regulations.

9. Special Protection Information

Respiratory Protection: NIOSH approved dust respirator

Ventilation: Local exhaust

Protective Gloves: Rubber or plastic

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles.

Other Protection: plastic apron, sleeves and boots if handling large quantities. Safety showers and eyewash stations

Work/Hygiene Practices: Follow general industrial hygiene

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Pearl Ex Antique Bronze

MSDS No: 660 **Effective Date:** 1/1/96 **Amendatory Date:** 3/14/7

1. Product Identification

Product Code: 660

2. Composition/Information on Ingredients

Ingredients	%	ACGTH-TLV	OSHA-PEL	CAS No.
Titanium dioxide	03.0	10q mg/m3	10q mg/m3	1317-80-2
Mica	62.0	3c mg/m3	3c mg/m3	12001-26-2
Tin Oxide	N/A	2 mg/m3	2 mg/m3	18282-10-5
Graphite	N/A	15b mg/m3	2.5c mg/m3	7782-42-5
Chromium hydroxide	N/A	N/A	N/A	1308-14-1
Iron Oxide FE 203	35.0	5u mg/m3	10d mg/m3	1309-37-1

c. respirable dust; q. total dust and containing no asbestos and <1% free silica; N/A Not Available

3. Physical & Chemical Characteristics

Boiling Point: N/A

Vapor Pressure: N/A

Vapor Density: N/A

Solubility in Water: Not soluble

Appearance & Odor: Bronze powder

Specific Gravity: 3.10-3.20 g/cm3

Melting Point: N/A

Evaporation Rate: N/A

4. Fire & Explosion Data

Flash Point: N/A

Auto Ignition: N/A

Extinguishing Media: Water spray, foam, carbon dioxide or dry chemical

Special Fire Procedures: N/A

Unusual Hazards: N/A

5. Reactivity Data

Stable: Stable

Conditions to Avoid: N/A

Incompatibility: N/A

Hazardous Decomposition: Carbon monoxide and carbon dioxide

Hazardous Polymerization: Will not occur

6. Health Hazards

Routes of Entry: Eyes, inhalation and ingestion

Acute: Persistent cough and possible difficulty breathing.

Chronic: Chronic inhalation may cause pulmonary fibrosis

Signs & Symptoms of Exposure: Dust may cause mechanical irritation to the eyes and respiratory tract. May cause pulmonary fibrosis and permanent damage when ingested in large quantities over long periods of time.

Medical Conditions Aggravated: None known other than those that could be aggravated by dust exposure such as respiratory impairment.

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Carcinogenic: N/A

7. Emergency & First Aid Procedures

Inhalation: Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation.

Eyes: Immediately flush with plenty of water for at least 15 minutes. If discomfort persists, get medical attention.

Skin: Wash affected area with soap and water.

Ingestion: Do NOT induce vomiting. If victim is conscious and alert, give 2-4 glasses of milk or water. Get medical attention.

8. Special Precautions & Spill/Leak Procedures

Handling & Storage: Wash thoroughly after handling. Remove contaminated clothing and wash it before reuse. Provide adequate ventilation. Keep container tightly closed to minimize dust generation. Avoid ingestion, inhalation and contact with eyes and skin. The packages should be sound and puncture-proof, press-proof and damp-proof. Store in a dry, well ventilated place.

Steps if Spilled: Vacuum or sweep up material and place it into a suitable disposal container. Clean up spills immediately, observe precautions in Protective Equipment section. Avoid generating the phenomenon of dust. Provide ventilation.

Waste Disposal: Dispose of in accordance with all state, local and federal regulations.

9. Special Protection Information

Respiratory Protection: NIOSH approved dust respirator

Ventilation: Local exhaust

Protective Gloves: Rubber or plastic

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles.

Other Protection: plastic apron, sleeves and boots if handling large quantities. Safety showers and eyewash stations

Work/Hygienic Practices: Follow general industrial hygiene

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Pearl Ex Sunset Gold

MSDS No: 665 **Effective Date:** 1/1/96 **Amendatory Date:** 3/14/7

1. Product Identification

Product Code: 665

2. Composition/Information on Ingredients

Ingredients	%	ACGTH-TLV	OSHA-PEL	CAS No.
Titanium dioxide	36.5	10q mg/m ³	10q mg/m ³	1317-80-2
Mica	43.5	3c mg/m ³	3c mg/m ³	12001-26-2
Tin Oxide	N/A	2 mg/m ³	2 mg/m ³	18282-10-5
Graphite	N/A	15b mg/m ³	2.5c mg/m ³	7782-42-5
Chromium hydroxide	N/A	N/A	N/A	1308-14-1
Iron Oxide FE 203	04.5	5u mg/m ³	10d mg/m ³	1309-37-1

c. respirable dust; q. total dust and containing no asbestos and <1% free silica; N/A Not Available

3. Physical & Chemical Characteristics

Boiling Point: N/A

Vapor Pressure: N/A

Vapor Density: N/A

Solubility in Water: Not soluble

Appearance & Odor: Dark gold powder

Specific Gravity: 3.10-3.20 g/cm³

Melting Point: N/A

Evaporation Rate: N/A

4. Fire & Explosion Data

Flash Point: N/A

Auto Ignition: N/A

Extinguishing Media: Water spray, foam, carbon dioxide or dry chemical

Special Fire Procedures: N/A

Unusual Hazards: N/A

5. Reactivity Data

Stable: Stable

Conditions to Avoid: N/A

Incompatibility: N/A

Hazardous Decomposition: Carbon monoxide and carbon dioxide

Hazardous Polymerization: Will not occur

6. Health Hazards

Routes of Entry: Eyes, inhalation and ingestion

Acute: Persistent cough and possible difficulty breathing.

Chronic: Chronic inhalation may cause pulmonary fibrosis

Signs & Symptoms of Exposure: Dust may cause mechanical irritation to the eyes and respiratory tract. May cause pulmonary fibrosis and permanent damage when ingested in large quantities over long periods of time.

Medical Conditions Aggravated: None known other than those that could be aggravated by dust exposure such as respiratory impairment.

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Carcinogenic: N/A

7. Emergency & First Aid Procedures**Inhalation:** Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation.**Eyes:** Immediately flush with plenty of water for at least 15 minutes. If discomfort persists, get medical attention.**Skin:** Wash affected area with soap and water.**Ingestion:** Do NOT induce vomiting. If victim is conscious and alert, give 2-4 glasses of milk or water. Get medical attention.**8. Special Precautions & Spill/Leak Procedures****Handling & Storage:** Wash thoroughly after handling. Remove contaminated clothing and wash it before reuse. Provide adequate ventilation. Keep container tightly closed to minimize dust generation. Avoid ingestion, inhalation and contact with eyes and skin. The packages should be sound and puncture-proof, press-proof and damp-proof. Store in a dry, well ventilated place.**Steps if Spilled:** Vacuum or sweep up material and place it into a suitable disposal container. Clean up spills immediately, observe precautions in Protective Equipment section. Avoid generating the phenomenon of dust. Provide ventilation.**Waste Disposal:** Dispose of in accordance with all state, local and federal regulations.**9. Special Protection Information****Respiratory Protection:** NIOSH approved dust respirator**Ventilation:** Local exhaust**Protective Gloves:** Rubber or plastic**Eye Protection:** Wear appropriate protective eyeglasses or chemical safety goggles.**Other Protection:** plastic apron, sleeves and boots if handling large quantities. Safety showers and eyewash stations**Work/Hygienic Practices:** Follow general industrial hygiene**Notice to Reader**

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27103-3505

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Pearl Ex Salmon Pink

MSDS No: 642 **Effective Date:** 2/28/01 **Amendatory Date:** 3/14/7

1. Product Identification
Product Code: 642

2. Composition/Information on Ingredients

Ingredients	%	ACGTH-TLV	OSHA-PEL	CAS No.
Titanium dioxide	44-49	10q mg/m ³	10q mg/m ³	13463-67-7
Mica	50-55	3c mg/m ³	3c mg/m ³	12001-26-2
Tin Oxide	≤1	2 mg/m ³	2 mg/m ³	18282-10-5
Red absorptive pigment	≤1	N/A	N/A	N/A

c. respirable dust; q. total dust and containing no asbestos and <1% free silica; N/A Not Available

3. Physical & Chemical Characteristics

Boiling Point: N/A
Vapor Pressure: N/A
Vapor Density: N/A
Solubility in Water: Not soluble
Appearance & Odor: Bright pink powder
Specific Gravity: 3.10-3.20 g/cm³
Melting Point: N/A
Evaporation Rate: N/A

4. Fire & Explosion Data

Flash Point: N/A
Auto Ignition: N/A
Extinguishing Media: Water spray, foam, carbon dioxide or dry chemical
Special Fire Procedures: N/A
Unusual Hazards: N/A

5. Reactivity Data

Stable: Stable
Conditions to Avoid: N/A
Incompatibility: N/A
Hazardous Decomposition: Carbon monoxide and carbon dioxide
Hazardous Polymerization: Will not occur

6. Health Hazards

Routes of Entry: Eyes, inhalation and ingestion
Acute: Persistent cough and possible difficulty breathing.
Chronic: Chronic inhalation may cause pulmonary fibrosis
Signs & Symptoms of Exposure: Dust may cause mechanical irritation to the eyes and respiratory tract. May cause pulmonary fibrosis and permanent damage when ingested in large quantities over long periods of time.
Medical Conditions Aggravated: None known other than those that could be aggravated by dust exposure such as respiratory impairment.
Carcinogenic: N/A

MSDS **MATERIAL SAFETY DATA SHEET**
RUPERT, GIBBON & SPIDER PO BOX 425, HEALDSBURG CA, 95448 TEL: (707) 433-9577 FAX: (707) 433-4906**7. Emergency & First Aid Procedures**

Inhalation: Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation.

Eyes: Immediately flush with plenty of water for at least 15 minutes. If discomfort persists, get medical attention.

Skin: Wash affected area with soap and water.

Ingestion: Do NOT induce vomiting. If victim is conscious and alert, give 2-4 glasses of milk or water. Get medical attention.

8. Special Precautions & Spill/Leak Procedures

Handling & Storage: Wash thoroughly after handling. Remove contaminated clothing and wash it before reuse. Provide adequate ventilation. Keep container tightly closed to minimize dust generation. Avoid ingestion, inhalation and contact with eyes and skin. The packages should be sound and puncture-proof, press-proof and damp-proof. Store in a dry, well ventilated place.

Steps if Spilled: Vacuum or sweep up material and place it into a suitable disposal container. Clean up spills immediately, observe precautions in Protective Equipment section. Avoid generating the phenomenon of dust. Provide ventilation.

Waste Disposal: Dispose of in accordance with all state, local and federal regulations.

9. Special Protection Information

Respiratory Protection: NIOSH approved dust respirator

Ventilation: Local exhaust

Protective Gloves: Rubber or plastic

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles.

Other Protection: plastic apron, sleeves and boots if handling large quantities. Safety showers and eyewash stations

Work/Hygienic Practices: Follow general industrial hygiene

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27103-5075

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Pearl Ex Sky Blue

MSDS No: 647 **Effective Date:** 2/28/01 **Amendatory Date:** 3/14/7

1. Product Identification

Product Code: 647

2. Composition/Information on Ingredients

Ingredients	%	ACGTH-TLV	OSHA-PEL	CAS No.
Titanium dioxide	31-35	10q mg/m ³	10q mg/m ³	1317-80-2
Mica	64-68	3c mg/m ³	3c mg/m ³	12001-26-2
Tin Oxide	≤1	2 mg/m ³	2 mg/m ³	18282-10-5
Blue absorptive pigment	≤1	N/A	N/A	N/A

c. respirable dust; q. total dust and containing no asbestos and <1% free silica; N/A Not Available

3. Physical & Chemical Characteristics

Boiling Point: N/A
Vapor Pressure: N/A
Vapor Density: N/A
Solubility in Water: Not soluble
Appearance & Odor: Blue powder
Specific Gravity: 3.10-3.20 g/cm³
Melting Point: N/A
Evaporation Rate: N/A

4. Fire & Explosion Data

Flash Point: N/A
Auto Ignition: N/A
Extinguishing Media: Water spray, foam, carbon dioxide or dry chemical
Special Fire Procedures: N/A
Unusual Hazards: N/A

5. Reactivity Data

Stable: Stable
Conditions to Avoid: N/A
Incompatibility: N/A
Hazardous Decomposition: Carbon monoxide and carbon dioxide
Hazardous Polymerization: Will not occur

6. Health Hazards

Routes of Entry: Eyes, inhalation and ingestion
Acute: Persistent cough and possible difficulty breathing.
Chronic: Chronic inhalation may cause pulmonary fibrosis
Signs & Symptoms of Exposure: Dust may cause mechanical irritation to the eyes and respiratory tract. May cause pulmonary fibrosis and permanent damage when ingested in large quantities over long periods of time.
Medical Conditions Aggravated: None known other than those that could be aggravated by dust exposure such as respiratory impairment.
Carcinogenic: N/A

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7. Emergency & First Aid Procedures

Inhalation: Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation.

Eyes: Immediately flush with plenty of water for at least 15 minutes. If discomfort persists, get medical attention.

Skin: Wash affected area with soap and water.

Ingestion: Do NOT induce vomiting. If victim is conscious and alert, give 2-4 glasses of milk or water. Get medical attention.

8. Special Precautions & Spill/Leak Procedures

Handling & Storage: Wash thoroughly after handling. Remove contaminated clothing and wash it before reuse. Provide adequate ventilation. Keep container tightly closed to minimize dust generation. Avoid ingestion, inhalation and contact with eyes and skin. The packages should be sound and puncture-proof, press-proof and damp-proof. Store in a dry, well ventilated place.

Steps if Spilled: Vacuum or sweep up material and place it into a suitable disposal container. Clean up spills immediately, observe precautions in Protective Equipment section. Avoid generating the phenomenon of dust. Provide ventilation.

Waste Disposal: Dispose of in accordance with all state, local and federal regulations.

9. Special Protection Information

Respiratory Protection: NIOSH approved dust respirator

Ventilation: Local exhaust

Protective Gloves: Rubber or plastic

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles.

Other Protection: plastic apron, sleeves and boots if handling large quantities. Safety showers and eyewash stations

Work/Hygienic Practices: Follow general industrial hygiene

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Pearl Ex Duo Blue-Green

MSDS No: 681 Effective Date: 2/28/01 Amendatory Date: 3/14/7

1. Product Identification

Product Code: 681

2. Composition/Information on Ingredients

Ingredients	%	ACGTH-TLV	OSHA-PEL	CAS No.
Titanium dioxide	41.0	10q mg/m3	10q mg/m3	1317-80-2
Mica	56.5	3c mg/m3	3c mg/m3	12001-26-2
Tin Oxide	01.1	2 mg/m3	2 mg/m3	18282-10-5
Graphite	N/A	2.5c mg/m3	15b mg/m3	7782-42-5
Chromium hydroxide	00.9	N/A	N/A	1308-14-1
Iron Oxide FE 203	N/A	5u mg/m3	10d mg/m3	1309-37-1

c. respirable dust; q. total dust and containing no asbestos and <1% free silica; N/A Not Available

3. Physical & Chemical Characteristics

Boiling Point: N/A

Vapor Pressure: N/A

Vapor Density: N/A

Solubility in Water: Not soluble

Appearance & Odor: Light blue powder

Specific Gravity: 3.10-3.20 g/cm³

Melting Point: N/A

Evaporation Rate: N/A

4. Fire & Explosion Data

Flash Point: N/A

Auto Ignition: N/A

Extinguishing Media: Water spray, foam, carbon dioxide or dry chemical

Special Fire Procedures: N/A

Unusual Hazards: N/A

5. Reactivity Data

Stable: Stable

Conditions to Avoid: N/A

Incompatibility: N/A

Hazardous Decomposition: Carbon monoxide and carbon dioxide

Hazardous Polymerization: Will not occur

6. Health Hazards

Routes of Entry: Eyes, inhalation and ingestion

Acute: Persistent cough and possible difficulty breathing.

Chronic: Chronic inhalation may cause pulmonary fibrosis

Signs & Symptoms of Exposure: Dust may cause mechanical irritation to the eyes and respiratory tract. May cause pulmonary fibrosis and permanent damage when ingested in large quantities over long periods of time.

Medical Conditions Aggravated: None known other than those that could be aggravated by dust exposure such as respiratory impairment.

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Carcinogenic: N/A

7. Emergency & First Aid Procedures**Inhalation:** Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation.**Eyes:** Immediately flush with plenty of water for at least 15 minutes. If discomfort persists, get medical attention.**Skin:** Wash affected area with soap and water.**Ingestion:** Do NOT induce vomiting. If victim is conscious and alert, give 2-4 glasses of milk or water. Get medical attention.**8. Special Precautions & Spill/Leak Procedures****Handling & Storage:** Wash thoroughly after handling. Remove contaminated clothing and wash it before reuse. Provide adequate ventilation. Keep container tightly closed to minimize dust generation. Avoid ingestion, inhalation and contact with eyes and skin. The packages should be sound and puncture-proof, press-proof and damp-proof. Store in a dry, well ventilated place.**Steps if Spilled:** Vacuum or sweep up material and place it into a suitable disposal container. Clean up spills immediately, observe precautions in Protective Equipment section. Avoid generating the phenomenon of dust. Provide ventilation.**Waste Disposal:** Dispose of in accordance with all state, local and federal regulations.**9. Special Protection Information****Respiratory Protection:** NIOSH approved dust respirator**Ventilation:** Local exhaust**Protective Gloves:** Rubber or plastic**Eye Protection:** Wear appropriate protective eyeglasses or chemical safety goggles.**Other Protection:** plastic apron, sleeves and boots if handling large quantities. Safety showers and eyewash stations**Work/Hygienic Practices:** Follow general industrial hygiene**Notice to Reader**

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