

Rcvd Jan 2002

247581/104-404

MATERIAL SAFETY DATA

Revision date: 1/1/96

section 1

NAME: Jacquard Pearl Ex Pigment
 PRODUCT CODE: 651 Pearl White
 MAILING ADDRESS: P.O. Box 425
 CITY, STATE: Healdsburg, CA
 ZIP CODE: 95448

HMIS
 HEALTH: 0
 FLAMMABILITY: 0
 REACTIVITY: 0
 PERSONAL
 PRODUCTION: 0

INFORMATION AND EMERGENCY TELEPHONE: 707-433-9577

SECTION 2- HAZARDOUS INGREDIENTS /INFORMATION

HAZARDOUS COMPONENTS	CAS No.	APPROX. %	OSHA TWA mg/m ³	ACGIH TLV mg/m ³	OTHER
Titanium dioxide (Rutile)	1317-80-2	38.5	10q	10q	N/A
Mica	12001-26-2	60.5	3c	3c	N/A
Tin oxide	18282-10-5	01.1	2	2	N/A
Graphite	7782-42-5		15b	2.5c	N/A
Chromium hydroxide	1308-14-1				N/A
Iron Oxide FE 203 c. respirable dust	1309-37-1		10d	5u	N/A

q. total dust and containing no asbestos and <1% free silica
 N/A = Not available

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

BOILING RANGE: Not applic deg. C
 EVAPORATION RATE: Not applicable
 WEIGHT PER GALLON: 27.70 lbs/gal

VAPOR DENSITY: Not applicable
 PERCENT VOLATILE BY WT.: 0.0

SECTION 4 - FIRE & EXPLOSION DATA

FLASH POINT: N/A deg. f METHOD: Not applicable

LEI.N/A UEL.N/A

EXTINGUISHING MEDIA: Alcohol foam. carbon dioxide. dry chemical

SPECIAL FIRE FIGHTING PROCEDURES: Not applicable

UNUSUAL FIRE AND
 EXPLOSION HAZARDS: Not applicable

SECTION PHYSICAL HAZARDS (REACTIVITY DATA)

STABILITY Stable CONDITIONS TO AVOID: Not applicable

INCOMPATIBILITY: Not applicable

HAZARDOUS DECOMPOSITION: Carbon monoxide, carbon dioxide.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 6 - HEALTH HAZARD

ACUTE. Persistent cough, possible difficulty in breathing

CHRONIC. None recognized

MEDICAL CONDITIONS GENERALLY

AGGRAVATED BY EXPOSURE: None known other than those which could be aggravated by dust exposure such as respiratory impairment

EMERGENCY AND FIRST AID PROCEDURES: Consult physician

ROUTES OF ENTRY: Eyes, inhalation, ingestion

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

PRECAUTIONS TO BE TAKEN

IN STORAGE AND HANDLING. Avoid heavy dusting, store in dry place

OTHER PRECAUTIONS: Not applicable.

STEP TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: General cleaning

WASTE DISPOSAL: follow local, state and federal regulations

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURE

RESPIRATORY PROTECTION: Approved dust respirator

VENTILATION: Provide general dilution or local exhaust ventilation

EYE PROTECTION: Safety glasses.

PROTECTIVE GLOVES: Not applicable

OTHER PROTECTIVE EQUIPMENT: Safety eye wash station

WORK AND HYGIENIC PRACTICES: Follow general industrial hygiene

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RUPERT, GIBBON AND SPIDER, INC.

MATERIAL SAFETY DATA

Revision date: 1/1/96

section 1

NAME: Jacquard Pearl Ex Pigment
PRODUCT CODE: 655 SUPER COPPER
MAILING ADDRESS: P.O. Box 425
CITY, STATE: Healdsburg, CA
ZIP CODE: 95448

HMIS
HEALTH: 0
FLAMMABILITY: 0
REACTIVITY: 0
PERSONAL
PRODUCTION: 0

INFORMATION AND EMERGENCY TELEPHONE: 707-433-9577

SECTION 2- HAZARDOUS INGREDIENTS /INFORMATION

HAZARDOUS COMPONENTS	CAS No.	APPROX. %	OSHA TWA mg/m ³	ACGIH TLV mg/m ³	OTHER
Titanium dioxide (Rutile)	1317-80-2	43.0	10q	10q	N/A
Mica	12001-26-2	57.0	3c	3c	N/A
Tin oxide	18282-10-5		2	2	N/A
Graphite	7782-42-5		15b	2.5c	N/A
Chromium hydroxide	1308-14-1				N/A
Iron Oxide FE 203	1309-37-1		10d	5u	N/A

c. respirable dust

q. total dust and containing no asbestos and <1% free silica

N/A = Not available

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

BOILING RANGE: Not applic deg. C
EVAPORATION RATE: Not applicable
WEIGHT PER GALLON: 27.70 lbs/gal

VAPOR DENSITY: Not applicable
PERCENT VOLATILE BY WT.: 0.0

SECTION 4 - FIRE & EXPLOSION DATA

FLASH POINT: N/A deg. f METHOD: Not applicable

LEI.N/A UEL.N/A

EXTINGUISHING MEDIA: Alcohol foam, carbon dioxide, dry chemical

SPECIAL FIRE FIGHTING PROCEDURES: Not applicable

UNUSUAL FIRE AND
EXPLOSION HAZARDS: Not applicable

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

STABILITY: Stable

CONDITIONS TO AVOID: Not applicable

INCOMPATIBILITY: Not applicable

HAZARDOUS DECOMPOSITION: Carbon monoxide, carbon dioxide.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 6 - HEALTH HAZARD

ACUTE: Persistent cough, possible difficulty in breathing

CHRONIC: None recognized

MEDICAL CONDITIONS GENERALLY

AGGRAVATED BY EXPOSURE: None known other than those which could be aggravated by dust exposure such as respiratory impairment

EMERGENCY AND FIRST AID PROCEDURES: Consult physician.

ROUTES OF ENTRY: Eyes, inhalation, ingestion

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

PRECAUTIONS TO BE TAKEN

IN STORAGE AND HANDLING: Avoid heavy dusting, store in dry place

OTHER PRECAUTIONS: Not applicable.

STEP TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: General cleaning

WASTE DISPOSAL: follow local, state and federal regulations

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURE

RESPIRATORY PROTECTION: Approved dust respirator

VENTILATION: Provide general dilution or local exhaust ventilation

EYE PROTECTION: Safety glasses.

PROTECTIVE GLOVES: Not applicable

OTHER PROTECTIVE EQUIPMENT: Safety eye wash station

WORK AND HYGIENIC PRACTICES: Follow general industrial hygiene

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RUPERT, GIBBON AND SPIDER, INC

MATERIAL SAFETY DATA

Revision date: 1/1/96
section 1

NAME: Jacquard Pearl Ex Pigment
PRODUCT CODE: 657 SPARKLE GOLD
MAILING ADDRESS: P.O. Box 425
CITY, STATE: Healdsburg, CA
ZIP CODE: 95448

HMIS
HEALTH: 0
FLAMMABILITY: 0
REACTIVITY: 0
PERSONAL
PRODUCTION: 0

INFORMATION AND EMERGENCY TELEPHONE: 707-433-9577

SECTION 2- HAZARDOUS INGREDIENTS /INFORMATION

HAZARDOUS COMPONENTS	CAS No.	APPROX. %	OSHA TWA mg/m ³	ACGIH TLV mg/m ³	OTHER
Titanium dioxide (Rutile)	1317-80-2	25.5	10q	10q	N/A
Mica	12001-26-2	70.0	3c	3c	N/A
Tin oxide	18282-10-5		2	2	N/A
Graphite	7782-42-5		15b	2.5c	N/A
Chromium hydroxide	1308-14-1				N/A
Iron Oxide FE 203	1309-37-1	04.5	10d	5u	N/A

c. respirable dust

q. total dust and containing no asbestos and <1% free silica

N/A = Not available

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

BOILING RANGE: Not applic deg. C

EVAPORATION RATE: Not applicable

WEIGHT PER GALLON: 27.70 lbs/gal

VAPOR DENSITY: Not applicable

PERCENT VOLATILE BY WT.: 0.0

SECTION 4 - FIRE & EXPLOSION DATA

FLASH POINT: N/A deg. f METHOD: Not applicable

LEL:N/A UEL:N/A

EXTINGUISHING MEDIA: Alcohol foam, carbon dioxide, dry chemical

SPECIAL FIRE FIGHTING PROCEDURES: Not applicable

UNUSUAL FIRE AND

EXPLOSION HAZARDS: Not applicable

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

STABILITY: Stable CONDITIONS TO AVOID: Not applicable

INCOMPATIBILITY: Not applicable

HAZARDOUS DECOMPOSITION: Carbon monoxide, carbon dioxide.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 6 - HEALTH HAZARD

ACUTE: Persistent cough, possible difficulty in breathing

CHRONIC: None recognized

MEDICAL CONDITIONS GENERALLY

AGGRAVATED BY EXPOSURE: None known other than those which could be aggravated by dust exposure such as respiratory impairment

EMERGENCY AND FIRST AID PROCEDURES: Consult physician.

ROUTES OF ENTRY: Eyes, inhalation, ingestion

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

PRECAUTIONS TO BE TAKEN

IN STORAGE AND HANDLING: Avoid heavy dusting, store in dry place

OTHER PRECAUTIONS: Not applicable

STEP TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: General cleaning

WASTE DISPOSAL: follow local, state and federal regulations

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURE

RESPIRATORY PROTECTION: Approved dust respirator

VENTILATION: Provide general dilution or local exhaust ventilation

EYE PROTECTION: Safety glasses.

PROTECTIVE GLOVES: Not applicable

OTHER PROTECTIVE EQUIPMENT: Safety eye wash station

WORK AND HYGIENIC PRACTICES: Follow general industrial hygiene

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RUPERT, GIBBON AND SPIDER, INC.

MATERIAL SAFETY DATA

Revision date: 1/1/96

section 1

NAME: Jacquard Pearl Ex Pigment
PRODUCT CODE: 662 ANTIQUE SILVER
MAILING ADDRESS: P.O. Box 425
CITY, STATE: Healdsburg, CA
ZIP CODE: 95448

HMIS
HEALTH: 0
FLAMMABILITY: 0
REACTIVITY: 0
PERSONAL
PRODUCTION: 0

INFORMATION AND EMERGENCY TELEPHONE: 707-433-9577

SECTION 2- HAZARDOUS INGREDIENTS /INFORMATION

HAZARDOUS COMPONENTS	CAS No.	APPROX. %	OSHA TWA mg/m3	ACGIH TLV mg/m3	OTHER
Titanium dioxide (Rutile)	1317-80-2	19.5	10q	10q	N/A
Mica	12001-26-2	65.5	3c	3c	N/A
Tin oxide	18282-10-5		2	2	N/A
Graphite	7782-42-5		15b	2.5c	N/A
Chromium hydroxide	1308-14-1				N/A
Iron Oxide FE 203	1309-37-1		10d	5u	N/A

c. respirable dust

q. total dust and containing no asbestos and <1% free silica

N/A = Not available

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

BOILING RANGE: Not applic deg. C
EVAPORATION RATE: Not applicable
WEIGHT PER GALLON: 27.70 lbs/gal

VAPOR DENSITY: Not applicable
PERCENT VOLATILE BY WT.: 0.0

SECTION 4 - FIRE & EXPLOSION DATA

FLASH POINT: N/A deg. f METHOD: Not applicable

LEI.N/A UEL.N/A

EXTINGUISHING MEDIA: Alcohol foam, carbon dioxide, dry chemical

SPECIAL FIRE FIGHTING PROCEDURES: Not applicable

UNUSUAL FIRE AND
EXPLOSION HAZARDS: Not applicable

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

STABILITY: Stable

CONDITIONS TO AVOID: Not applicable

INCOMPATIBILITY: Not applicable

HAZARDOUS DECOMPOSITION: Carbon monoxide, carbon dioxide.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 6 - HEALTH HAZARD

ACUTE: Persistent cough, possible difficulty in breathing

CHRONIC: None recognized

MEDICAL CONDITIONS GENERALLY

AGGRAVATED BY EXPOSURE: None known other than those which could be aggravated by dust exposure such as respiratory impairment

EMERGENCY AND FIRST AID PROCEDURES: Consult physician.

ROUTES OF ENTRY: Eyes, inhalation, ingestion

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

PRECAUTIONS TO BE TAKEN

IN STORAGE AND HANDLING: Avoid heavy dusting, store in dry place

OTHER PRECAUTIONS: Not applicable.

STEP TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: General cleaning

WASTE DISPOSAL: follow local, state and federal regulations

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURE

RESPIRATORY PROTECTION: Approved dust respirator

VENTILATION: Provide general dilution or local exhaust ventilation

EYE PROTECTION: Safety glasses.

PROTECTIVE GLOVES: Not applicable

OTHER PROTECTIVE EQUIPMENT: Safety eye wash station

WORK AND HYGIENIC PRACTICES: Follow general industrial hygiene

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RUPERT, GIBBON AND SPIDER, INC.

MATERIAL SAFETY DATA

Revision date: 1/1/96

section 1

NAME: Jacquard Pearl Ex Pigment

PRODUCT CODE: 671 INTERFERENCE BLUE

MAILING ADDRESS: P.O. Box 425

CITY, STATE: Healdsburg, CA

ZIP CODE: 95448

HMIS

HEALTH: 0

FLAMMABILITY: 0

REACTIVITY: 0

PERSONAL

PRODUCTION: 0

INFORMATION AND EMERGENCY TELEPHONE: 707-433-9577

SECTION 2- HAZARDOUS INGREDIENTS /INFORMATION

HAZARDOUS COMPONENTS	CAS No.	APPROX. %	OSHA TWA mg/m ³	ACGIH TLV mg/m ³	OTHER
Titanium dioxide (Rutile)	1317-80-2	53.0	10q	10q	N/A
Mica	12001-26-2	46.0	3c	3c	N/A
Tin oxide	18282-10-5	01.1	2	2	N/A
Graphite	7782-42-5		15b	2.5c	N/A
Chromium hydroxide	1308-14-1				N/A
Iron Oxide FE 203	1309-37-1		10d	5u	N/A

c. respirable dust

q. total dust and containing no asbestos and <1% free silica

N/A = Not available

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

BOILING RANGE: Not applic deg. C

EVAPORATION RATE: Not applicable

WEIGHT PER GALLON: 27.70 lbs/gal

VAPOR DENSITY: Not applicable

PERCENT VOLATILE BY WT.: 0.0

SECTION 4 - FIRE & EXPLOSION DATA

FLASH POINT: N/A deg. f METHOD: Not applicable

LEL: N/A UEL: N/A

EXTINGUISHING MEDIA: Alcohol foam, carbon dioxide, dry chemical

SPECIAL FIRE FIGHTING PROCEDURES: Not applicable

UNUSUAL FIRE AND

EXPLOSION HAZARDS: Not applicable

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

STABILITY: Stable

CONDITIONS TO AVOID: Not applicable

INCOMPATIBILITY: Not applicable

HAZARDOUS DECOMPOSITION: Carbon monoxide, carbon dioxide.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 6 - HEALTH HAZARD

ACUTE: Persistent cough, possible difficulty in breathing

CHRONIC: None recognized

MEDICAL CONDITIONS GENERALLY

AGGRAVATED BY EXPOSURE: None known other than those which could be aggravated by dust exposure such as respiratory impairment

EMERGENCY AND FIRST AID PROCEDURES: Consult physician.

ROUTES OF ENTRY: Eyes, inhalation, ingestion

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

PRECAUTIONS TO BE TAKEN

IN STORAGE AND HANDLING: Avoid heavy dusting, store in dry place

OTHER PRECAUTIONS: Not applicable.

STEP TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: General cleaning

WASTE DISPOSAL: follow local, state and federal regulations

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURE

RESPIRATORY PROTECTION: Approved dust respirator

VENTILATION: Provide general dilution or local exhaust ventilation

EYE PROTECTION: Safety glasses.

PROTECTIVE GLOVES: Not applicable

OTHER PROTECTIVE EQUIPMENT: Safety eye wash station

WORK AND HYGIENIC PRACTICES: Follow general industrial hygiene

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RUPERT, GIBBON AND SPIDER, INC.

104-404

MATERIAL SAFETY DATA

Revision date: 1/1/96

section 1

NAME: Jacquard Pearl Ex Pigment

PRODUCT CODE: 682 DUO GREEN YELLOW

MAILING ADDRESS: P.O. Box 425

CITY, STATE: Healdsburg, CA

ZIP CODE: 95448

HMIS

HEALTH: 0

FLAMMABILITY: 0

REACTIVITY: 0

PERSONAL

PRODUCTION: 0

INFORMATION AND EMERGENCY TELEPHONE: 707-433-9577

SECTION 2- HAZARDOUS INGREDIENTS /INFORMATION

HAZARDOUS COMPONENTS	CAS No.	APPROX. %	OSHA TWA mg/m ³	ACGIH TLV mg/m ³	OTHER
Titanium dioxide (Rutile)	1317-80-2	41.0	10q	10q	N/A
Mica	12001-26-2	56.5	3c	3c	N/A
Tin oxide	18282-10-5	01.1	2	2	N/A
Graphite	7782-42-5		15b	2.5c	N/A
Chromium hydroxide	1308-14-1	00.9			N/A
Iron Oxide FE 203	1309-37-1		10d	5u	N/A

c. respirable dust

q. total dust and containing no asbestos and <1% free silica

N/A = Not available

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

BOILING RANGE: Not applic deg. C

EVAPORATION RATE: Not applicable

WEIGHT PER GALLON: 27.70 lbs/gal

VAPOR DENSITY: Not applicable

PERCENT VOLATILE BY WT.: 0.0

SECTION 4 - FIRE & EXPLOSION DATA

FLASH POINT: N/A deg. f METHOD: Not applicable

LEI.N/A UEL.N/A

EXTINGUISHING MEDIA: Alcohol foam, carbon dioxide, dry chemical

SPECIAL FIRE FIGHTING PROCEDURES: Not applicable

UNUSUAL FIRE AND

EXPLOSION HAZARDS: Not applicable

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

STABILITY: Stable

CONDITIONS TO AVOID: Not applicable

INCOMPATIBILITY: Not applicable

HAZARDOUS DECOMPOSITION: Carbon monoxide, carbon dioxide.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 6 - HEALTH HAZARD

ACUTE: Persistent cough, possible difficulty in breathing

CHRONIC: None recognized

MEDICAL CONDITIONS GENERALLY

AGGRAVATED BY EXPOSURE: None known other than those which could be aggravated by dust exposure such as respiratory impairment

EMERGENCY AND FIRST AID PROCEDURES: Consult physician.

ROUTES OF ENTRY: Eyes, inhalation, ingestion

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

PRECAUTIONS TO BE TAKEN

IN STORAGE AND HANDLING: Avoid heavy dusting, store in dry place

OTHER PRECAUTIONS: Not applicable.

STEP TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: General cleaning

WASTE DISPOSAL: follow local, state and federal regulations

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURE

RESPIRATORY PROTECTION: Approved dust respirator

VENTILATION: Provide general dilution or local exhaust ventilation

EYE PROTECTION: Safety glasses.

PROTECTIVE GLOVES: Not applicable

OTHER PROTECTIVE EQUIPMENT: Safety eye wash station

WORK AND HYGIENIC PRACTICES: Follow general industrial hygiene

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