

RUPERT, GIBBON AND SPIDER, INC.

402180 / 104-406

MATERIAL SAFETY DATA

Revd April 2002

Revision date: 1/1/96

section 1

NAME: Jacquard Pearl Ex Pigment
PRODUCT CODE: 650 MICROPEARL
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	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	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

RUPERT, GIBBON AND SPIDER, INC.

MATERIAL SAFETY DATA

Revision date: 1/1/96

section 1

NAME: Jacquard Pearl Ex Pigment
PRODUCT CODE: 653 RED RUSSET
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	48.0	10q	10q	N/A
Mica	12001-26-2	52.0	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

The information contained in this MSDS is based on data from sources considered to be reliable but Rupert, Gibbon & Spider Inc. does not guarantee the accuracy or completeness thereof. Rupert, Gibbon & Spider Inc. urges each customer or recipient of this MSDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire prevention as necessary or appropriate to use and understand the data in this MSDS.

RUPERT, GIBBON AND SPIDER, INC.

MATERIAL SAFETY DATA

Revision date: 1/1/96

section 1

NAME: Jacquard Pearl Ex Pigment
PRODUCT CODE: 654 SUPER RUSSET
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	45.0	10q	10q	N/A
Mica	12001-26-2	55.0	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

The information contained in this MSDS is based on data from sources considered to be reliable but Rupert, Gibbon & Spider Inc. does not guarantee the accuracy or completeness thereof. Rupert, Gibbon & Spider Inc. urges each customer or recipient of this MSDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire prevention as necessary or appropriate to use and understand the data in this MSDS.

RUPERT, GIBBON AND SPIDER, INC.

MATERIAL SAFETY DATA

Revision date: 1/1/96

section 1

NAME: Jacquard Pearl Ex Pigment
PRODUCT CODE: 661 ANTIQUE 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/m3	ACGIH TLV mg/m3	OTHER
Titanium dioxide (Rutile)	1317-80-2	02.5	10q	10q	N/A
Mica	12001-26-2	47.5	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	35.0	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

RUPERT GIBBON AND SPIDER, INC.

MATERIAL SAFETY DATA

Revision date: 1/1/96

section 1

NAME: Jacquard Pearl Ex Pigment

PRODUCT CODE: 674 INTERFERENCE 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	41.0	10q	10q	N/A
Mica	12001-26-2	58.0	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 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

SECTION 4 - FIRE & EXPLOSION DATA

FLASH POINT: N/A deg 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: 659 ANTIQUE 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	30.0	10q	10q	N/A
Mica	12001-26-2	51.5	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 c. respirable dust	1309-37-1	03.5	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

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

INCOMPATABILITY: 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: 658 AZTEC 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	20.0	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	20.0	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: 656 BRILLIANT 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/m3	ACGIH TLV mg/m3	OTHER
Titanium dioxide (Rutile)	1317-80-2	42.0	10q	10q	N/A
Mica	12001-26-2	52.5	3c	3c	N/A
Tin oxide	18282-10-5	00.6	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	05.0	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: 665 SUNSET 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/m3	ACGIH TLV mg/m3	OTHER
Titanium dioxide (Rutile)	1317-80-2	36.5	10q	10q	N/A
Mica	12001-26-2	43.5	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	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

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: 663 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/m ³	ACGIH TLV mg/m ³	OTHER
Titanium dioxide (Rutile)	1317-80-2	26.5	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	03.0	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

The information contained in this MSDS is based on data from sources considered to be reliable but Rupert, Gibbon & Spider Inc. does not guarantee the accuracy or completeness thereof. Rupert, Gibbon & Spider Inc. urges each customer or recipient of this MSDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire prevention as necessary or appropriate to use and understand the data in this MSDS.

RUPERT, GIBBON AND SPIDER, INC.

MATERIAL SAFETY DATA

Revision date: 1/1/96

section 1

NAME: Jacquard Pearl Ex Pigment

PRODUCT CODE: 660 ANTIQUE BRONZE

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	03.0	10q	10q	N/A
Mica	12001-26-2	62.0	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	35.0	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

The information contained in this MSDS is based on data from sources considered to be reliable but Rupert, Gibbon & Spider Inc. does not guarantee the accuracy or completeness thereof. Rupert, Gibbon & Spider Inc. urges each customer or recipient of this MSDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire prevention as necessary or appropriate to use and understand the data in this MSDS.

RUPERT, GIBBON AND SPIDER, INC.

MATERIAL SAFETY DATA

Revision date: 1/1/96

section 1

NAME: Jacquard Pearl Ex Pigment
PRODUCT CODE: 664 SUPER BRONZE
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		10q	10q	N/A
Mica	12001-26-2	63.0	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	36.5	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

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: 670 INTERFERENCE RED

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	46.0	10q	10q	N/A
Mica	12001-26-2	53.0	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.

MATERIAL SAFETY DATA

Revision date: 1/1/96

section 1

NAME: Jacquard Pearl Ex Pigment

PRODUCT CODE: 672 INTERFERENCE GREEN

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	57.0	10q	10q	N/A
Mica	12001-26-2	42.0	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. 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: 673 INTERFERENCE VIOLET

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	51.1	10q	10q	N/A
Mica	12001-26-2	48.0	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

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

INCOMPATABILITY: 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: 680 DUO RED 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	45.5	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	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: 681 DUO BLUE GREEN

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	56.5	10q	10q	N/A
Mica	12001-26-2	41.0	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	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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RUPERT, GIBBON AND SPIDER, INC.

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/m3	ACGIH TLV mg/m3	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

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

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

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

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

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: 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/m3	ACGIH TLV mg/m3	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

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: 651 Pearl White
MAILING ADDRESS: P.O. Box 425
CITY, STATE: Healdsburg, CA
ZIP CODE: 95448

HMS
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	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	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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