



MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

PRODUCT CLASS : JAPAN COLOR
HMIS RATINGS : HEALTH 2 FIRE 2 REACTIVITY 0 PERSONAL PROTECTION J
DATE PREPARED : June 19, 2006
PRODUCT NUMBER : B560-ALL NUMBERS

SUPPLIER:
RPM, WFG.
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Hudson, NC 28638
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PRODUCT NAMES:

- AMERICAN VERMILION
BULLETIN BLUE
BULLETIN RED
BURNT SIENNA
BURNT UMBER
C.P. GREEN L,M,D
CHROME YELLOW LL,L,M
CHROME YELLOW O
COBALT BLUE
DROP BLACK
EMERALD GREEN
FLAKE WHITE
FRENCH YELLOW OCHRE
FRENCH ZINC WHITE
LIBERTY RED M
PERMANENT BLUE
PERMANENT STRIPING WHITE
POSTER RED
PRUSSIAN BLUE
RAW SIENNA
RAW UMBER
REFINED LAMPBLACK
ROSE PINK
SIGNCRAFT RED
SOLID COVERING LAMPBLACK
TURKEY RED
ULTRAMARINE BLUE
VAN DYKE BROWN
VENETIAN RED

NOTE: ALL COLORS ARE LEAD FREE.

SECTION II - A HAZARDOUS INGREDIENTS

ALL THE ABOVE PRODUCTS CONTAIN ALIPHATIC DISTILLATE (CAS#8052-41-3)

----- OCCUPATIONAL EXPOSURE LIMITS -----

Table with 8 columns: CHEMICAL NAME, CAS NUMBER, WEIGHT %, TLV-TWA, TLV-STEL, PEL-TWA, PEL-CEILING, SKIN. Row 1: ALIPHATIC DISTALLITE 8052-41-3, 21-35, 100 PPM, NO INFO, 500 PPM, NO INFO, No.

THIS PRODUCT MAY CONTAIN PIGMENTS, WHICH MAY BECOME A DUST NUISANCE WHEN REMOVED BY ABRASIVE BALSTING, SANDING OR GRINDING.

SECTION II - B HAZARDOUS INGREDIENTS

THE FOLLOWING PRODUCTS CONTAIN TITANIUM DIOXIDE (CAS# 13463-67-7)

CHROME YELLOW LL,L,M - C.P. GREEN L,D - EMERALD GREEN - FLAKE WAHITE - FRENCH YELLOW OCHRE - FRENCH ZINC WHITE - PERMANENT BLUE - PERMANENET STRIPING WHITE - RAW SIENNA

----- OCCUPATIONAL EXPOSURE LIMITS -----

Table with 8 columns: CHEMICAL NAME, CAS NUMBER, WEIGHT %, TLV-TWA, TLV-STEL, PEL-TWA, PEL-CEILING, SKIN. Row 1: TITANIUM DIOXIDE 13463-67-7, 1-35, 10 mg/M3, NO INFO, 15mg/M3, 15mg/M3, No.

SECTION II - C HAZARDOUS INGREDIENTS

THE FOLLOWING PRODUCTS CONTAIN ETHYLENE GLYCOL MONBUTYL ETHER (CAS# 111-76-2)
BULLETIN RED - CHROME YELLOW LL,L,LM,O - C.P. GREEN L,M - COBALT BLUE -
PERMANENT BLUE - POSTER RED - PRUSSIAN BLUE - ROSE PINK - SIGNCRAFT RED -
ULTRAMARINE BLUE - VAN DYKE BROWN

| ----- OCCUPATIONAL EXPOSURE LIMITS ----- |            |          |         |          |         |             |      |
|--|------------|----------|---------|----------|---------|-------------|------|
| CHEMICAL NAME                            | CAS NUMBER | WEIGHT % | TLV-TWA | TLV-STEL | PEL-TWA | PEL-CEILING | SKIN |
| ETHYLENE GLYCOL                          | 111-76-2   | 1-3      | 25 PPM  | 50 PPM   | 50 PPM  | NE          | NO   |
| (See Section X for abbreviation legend)  |            |          |         |          |         |             |      |

**SECTION II - D HAZARDOUS INGREDIENTS**

THE FOLLOWING PRODUCTS CONTAIN IRON (III) OXIDE (CAS# 1309-37-1)  
VENETIAN RED

| ----- OCCUPATIONAL EXPOSURE LIMITS ----- |            |          |         |          |         |             |      |
|--|------------|----------|---------|----------|---------|-------------|------|
| CHEMICAL NAME                            | CAS NUMBER | WEIGHT % | TLV-TWA | TLV-STEL | PEL-TWA | PEL-CEILING | SKIN |
| IRON OXIDE                               | 1309-37-1  | 10-20    | 5 mg/M3 | NE       | 5 mg/M3 | NE          | NO   |
| (See Section X for abbreviation legend)  |            |          |         |          |         |             |      |

**SECTION II - E HAZARDOUS INGREDIENTS**

THE FOLLOWING PRODUCTS CONTAIN INORGANIC OXIDE (CAS# 51274-00-1)  
BURNT SIENNA - BURNT UMBER - C.P. GREEN L,M,D - FRENCH YELLOW OCHRE - RAW UMBER

| ----- OCCUPATIONAL EXPOSURE LIMITS ----- |            |          |         |          |          |             |      |
|--|------------|----------|---------|----------|----------|-------------|------|
| CHEMICAL NAME                            | CAS NUMBER | WEIGHT % | TLV-TWA | TLV-STEL | PEL-TWA  | PEL-CEILING | SKIN |
| INORGANIC OXIDE                          | 51274-00-1 | 1-35     | 5 mg/M3 | NE       | 10 mg/M3 | NE          | NO   |
| (See Section X for abbreviation legend)  |            |          |         |          |          |             |      |

**SECTION II - F HAZARDOUS INGREDIENTS**

THE FOLLOWING PRODUCTS CONTAIN CRYSTALLINE SILICA (CAS# 14808-60-7)  
BURNT SIENNA - BURNT UMBER - RAW SIENNA - RAW UMBER

| ----- OCCUPATIONAL EXPOSURE LIMITS ----- |            |          |         |          |         |             |      |
|--|------------|----------|---------|----------|---------|-------------|------|
| CHEMICAL NAME                            | CAS NUMBER | WEIGHT % | TLV-TWA | TLV-STEL | PEL-TWA | PEL-CEILING | SKIN |
| CRYSTALLINE SILICA                       | 14808-60-7 | 1-3      | 1 mg/M3 | NE       | 1 mg/M3 | NE          | NO   |
| (See Section X for abbreviation legend)  |            |          |         |          |         |             |      |

**SECTION II - G HAZARDOUS INGREDIENTS**

THE FOLLOWING PRODUCTS CONTAIN MANGANITE (CAS# 1317-34-6)  
RAW UMBER

| ----- OCCUPATIONAL EXPOSURE LIMITS ----- |            |          |         |          |         |             |      |
|--|------------|----------|---------|----------|---------|-------------|------|
| CHEMICAL NAME                            | CAS NUMBER | WEIGHT % | TLV-TWA | TLV-STEL | PEL-TWA | PEL-CEILING | SKIN |
| MANGANITE                                | 1317-34-6  | 1-2      | 5 mg/M3 | NE       | NE      | NE          | NO   |
| (See Section X for abbreviation legend)  |            |          |         |          |         |             |      |

**SECTION II - H HAZARDOUS INGREDIENTS**

THE FOLLOWING PRODUCTS CONTAIN MANGANITE (CAS# 1330-20-7)  
VAN DYKE BROWN

| ----- OCCUPATIONAL EXPOSURE LIMITS ----- |            |          |         |          |         |             |      |
|--|------------|----------|---------|----------|---------|-------------|------|
| CHEMICAL NAME                            | CAS NUMBER | WEIGHT % | TLV-TWA | TLV-STEL | PEL-TWA | PEL-CEILING | SKIN |
| AROMATIC DISTILLATE                      | 1330-20-7  | 1-2      | 100PPM  | 150PPM   | NO INFO | NO INFO     | NO   |
| (See Section X for abbreviation legend)  |            |          |         |          |         |             |      |

**SECTION II - I HAZARDOUS INGREDIENTS**

THE FOLLOWING PRODUCTS CONTAIN MANGANITE (CAS# 1333-86-4)  
REFINED LAMP BLACK - SOLID COVERING LAMPBLACK

| ----- OCCUPATIONAL EXPOSURE LIMITS ----- |            |          |           |          |           |             |      |
|--|------------|----------|-----------|----------|-----------|-------------|------|
| CHEMICAL NAME                            | CAS NUMBER | WEIGHT % | TLV-TWA   | TLV-STEL | PEL-TWA   | PEL-CEILING | SKIN |
| CARBON BLACK                             | 1333-86-4  | 3-7      | 3.5 mg/M3 | NE       | 3.5 mg/M3 | NE          | NO   |
| (See Section X for abbreviation legend)  |            |          |           |          |           |             |      |

**SECTION III - PHYSICAL DATA**

BOILING RANGE: 310 - 395 F                      VAPOR DENSITY : Heavier than air  
 SOLUBILITY: NEGLIGIBLE                      EVAPORATION RATE: SLOWER THAN BUTYL ACETATE  
 DENSITY: 9.9 -10.8 LB/GAL  
 MAXIMUM VOCS: 3.76 LB/GAL - 450 GRAMS/LITER

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

FLAMMABILITY CLASSIFICATION:  
OSHA - COMBUSTIBLE LIQUID - CLASS II  
DOT - COMBUSTIBLE LIQUID

FLASH POINT: 107 DEG F (TCC)  
LEL: 0.9 % UEL: 6.0 %

EXTINGUISHING MEDIA: DRY CHEMICAL, CARBON DIOXIDE, FOAM

UNUSUAL FIRE AND EXPLOSION HAZARDS: KEEP CONTAINER CLOSED TIGHTLY.  
ISOLATE FROM HEAT, SPARKS AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE  
WHEN EXPOSED TO EXTREME HEAT. OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A  
HEALTH HAZARD. SYMPTOMS MAY NOT BE IMMEDIATELY APPARENT. OBTAIN MEDICAL  
ATTENTION.

SPECIAL FIREFIGHTING PROCEDURES: WEAR SELF CONTAINED BREATHING APPARATUS.  
WATER MAY SPREAD FIRE. WATER SPRAY SHOULD BE USED TO COOL CONTAINERS  
EXPOSED TO FIRE.

#### SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:

INHALATION: NAUSEA, DIZZINESS, HEADACHE, VOMITING.

SKIN CONTACT: REPEATED CONTACT MAY CAUSE IRRITATION, DEFATTING AND  
DERMATITIS.

EYE CONTACT: CAUSES IRRITATION, REDNESS, TEARING, BLURRED VISION.

INGESTION: CAN CAUSE IRRITATION OF THE DIGESTIVE TRACT, NAUSEA,

VOMITING, AND DIARRHEA. IN SEVERE CASES INGESTION CAN BE FATAL. ASPIRATION  
INTO LUNGS CAN CAUSE CHEMICAL PNEUMONITIS, WHICH CAN BE FATAL.

REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO  
SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY  
DELIBERATELY CONCENTRATING AND INHALING THIS PRODUCT MAY BE HARMFUL OR FATAL.

MEDICAL CONDITIONS PRONE TO AGGRAVATION: PRE-EXISTING EYE, SKIN OR  
RESPIRATORY DISORDERS.

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT: FLUSH WITH LARGE QUANTITIES OF WATER FOR 15 MINUTES. IF  
IRRITATION PERSISTS GET MEDICAL ATTENTION.

SKIN CONTACT: REMOVE SATURATED CLOTHING. WASH WITH SOAP AND WATER. SEEK  
MEDICAL ATTENTION IF IRRITATION DEVELOPS. LAUNDRER SATURATED  
CLOTHING AND CLEAN SHOES BEFORE REUSE.

INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NECESSARY.  
GET MEDICAL ATTENTION.

INGESTION: DO NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY KEEP  
HEAD BELOW HIPS TO PREVENT INHALATION. SEEK MEDICAL ATTENTION IMMEDIATELY.

PRIMARY ROUTE(S) OF ENTRY: INHALATION INGESTION SKIN

#### SECTION VI - REACTIVITY DATA

HAZARDOUS DECOMPOSITION PRODUCTS: MAY PRODUCE TOXIC FUMES WHEN HEATED TO  
DECOMPOSITION. FUMES MAY CONTAIN CARBON MONOXIDE AND/OR CARBON DIOXIDE.

CONDITIONS TO AVOID: AVOID HEAT, SPARKS, AND OPEN FLAME.

INCOMPATIBILITY: ISOLATE FROM OXIDIZERS, HEAT, SPARKS AND OPEN FLAME.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE ALL SOURCES OF IGNITION. COVER WITH INERT ABSORBENT MATERIAL.

WASTE DISPOSAL METHOD: DISPOSE OF PRODUCT IN ACCORDANCE WITH LOCAL, COUNTY, STATE AND FEDERAL REGULATIONS.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPSOURE LIMITS (SECTION III) USE A NIOSH - APPROVED RESPIRATTOR TO PREVENT OVEREXPOSURE

VENTILATION: USE EXPLOSION PROOF VENTILATION AS REQUIRED TO CONTROL VAPOR CONCENTRATIONS.

PROTECTIVE GLOVES: WEAR IMPERVIOUS GLOVES.

EYE PROTECTION: WEAR CHEMICAL RESISTANT GOGGLES TO PREVENT EYE CONTACT.

OTHER PROTECTIVE EQUIPMENT: WEAR PROTECTIVE CLOTHING AS REQUIRED TO PREVENT SKIN CONTACT.

HYGIENIC PRACTICES: WASH WITH SOAP AND WATER AFTER HANDLING AND BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. KEEP CONTAINERS TIGHTLY CLOSED. STORE AWAY FROM STRONG OXIDIZING AGENTS IN A COOL, DRY PLACE WITH ADEQUATE EXPLOSION - PROOF VENTILATION. AVOID BREATHING. AVOID CONTACT WITH EYES SKIN AND CLOTHING.

OTHER PRECAUTIONS: DO NOT WELD, HEAT OR DRILL ON OR NEAR CONTAINER; EVEN EMPTIED CONTAINERS CAN CONTAIN EXPLOSIVE VAPORS. UNIFORMS OR CLOTHING CONTAINING PAINT RESIDUE SHOULD NOT BE LAUNDERED WITH HOUSEHOLD GARMENTS. DO NOT TAKE INTERNALLY. OBSERVE LABEL PRECAUTIONS.

SECTION X - REGULATORY INFORMATION

SARA NOTIFICATION

Title III of the Superfund Amendments and Reauthorization Act (SARA) HAS CREATED REPORTING REQUIREMENTS FOR COMPANIES THAT HANDLE CERTAIN CHEMICALS AND CHEMICAL CATEGORIES. THE FOLLOWING IS A LIST OF CHEMICALS SUBJECT TO REPORTING REQUIREMENTS OF SARA (40 CFR Part 372) AND THE PRODUCTS THAT CONTAIN THOSE CHEMICALS.

- 1.) ETHYLENE GLYCOL MONOBUTYL ETHER (CAS# 111-76-2) (SEE SECTION II-C FOR PRODUCT NAMES AND %.)
- 2.) AROMATIC DISTILLATE (CAS# 1330-20-7) (SEE SECTION II-H FOR PRODUCT NAMES AND %.)
- 3.) CRYSTALLINE SILICA (CAS# 14808-60-7) (SEE SECTION II-F FOR PRODUCT NAMES AND %.)

CALIFORNIA PROPOSITION 65

WARNING: THESE PRODUCTS AND THE CONTAINERS THEY ARE IN MAY CONTAIN DETECTABLE AMOUNTS OF ONE OR MORE CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. FOR MORE SPECIFIC INFORMATION REQUEST THE CALIFORNIA VERSION MATERIAL SAFETY DATA SHEET OR INDIVIDUAL PRODUCTS.

LEGEND:            N.A. - Not Applicable                            N.E. - Not Established  
                    N.D. - Not Determined

IMPORTANT: WHILE THE DESCRIPTIONS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU PERFORM AN ASSESSMENT TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED, DATA OR INFORMATION SET FORTH. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, OR DATA PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, THE DESCRIPTIONS, DATA AND INFORMATION FURNISHED HEREUNDER ARE GIVEN GRATIS. NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DATA AND INFORMATION GIVEN ARE ASSUMED. ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.