

MATERIAL SAFETY DATA SHEET

SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT CLASS: **JAPAN COLOR - ALL**

HMIS RATINGS: HEALTH 2 FIRE 2 REACTIVITY 0 PERSONAL PROTECTION J

PRODUCT NAME:

AMERICAN VERMILION

BULLETIN BLUE

BULLETIN RED

BURNT SIENNA

BURNT UMBER

C.P. GREEN L, M, D

CHROME YELLOW LL, L, M

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

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)

CHEMICAL NAME	CAS NUMBER	WEIGHT %	OCCUPATIONAL EXPOSURE LIMITS				SKIN
			TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING	
ALIPHATIC DISTILLATE	8052-41-3	21 - 35%	100 PPM	NO INFO	500 PPM	NO INFO	NO

(See Section X for abbreviation legend)

THIS PRODUCT MAY CONTAIN PIGMENTS, WHICH MAY BECOME A DUST NUISANCE WHEN REMOVED BY ABRASIVE BLASTING, 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 WHITE - FRENCH YELLOW OCHRE - FRENCH ZINC WHITE - PERMANENT BLUE - PERMANENT STRIPING WHITE - RAW SIENNA

CHEMICAL NAME	CAS NUMBER	WEIGHT %	OCCUPATIONAL EXPOSURE LIMITS				SKIN
			TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING	
TITANIUM DIOXIDE	13463-67-7	1 - 35%	10 mg/M3	NO INFO	15 mg/M3	15 mg/M3	NO

(See Section X for abbreviation legend)

SECTION II-C HAZARDOUS INGREDIENTS

THE FOLLOWING PRODUCTS CONTAIN ETHYLENE GLYCOL MONOBUTYL ETHER (CAS# 111-76-2)

BULLETIN BLUE - CHROME YELLOW LL, L, M, 0 - C.P. GREEN L, M, - COBALT BLUE PERMANENT BLUE - POSTER RED - PRUSSIAN BLUE - ROSE PINK - SIGNCRAFT RED ULTRAMARINE BLUE - VAN DYKE BROWN

CHEMICAL NAME	CAS NUMBER	WEIGHT %	OCCUPATIONAL EXPOSURE LIMITS				SKIN
			TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING	
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	1-3%	25 PPM	50 PPM.	50 PPM.	N.E.	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

CHEMICAL NAME	CAS NUMBER	WEIGHT %	TLV-TWA	OCCUPATIONAL EXPOSURE LIMITS			SKIN
				TLV-STEL	PEL-TWA	PEL-CEILING	
IRON (III) OXIDE	1309-37-1	10-20%	5 mg/M3	N. E.	5 mg/m3	N. E.	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

CHEMICAL NAME	CAS NUMBER	WEIGHT %	TLV-TWA	OCCUPATIONAL EXPOSURE LIMITS			SKIN
				TLV-STEL	PEL-TWA	PEL-CEILING	
INORGANIC OXIDE	51274-00-1	1- 35%	5 mp/M3	N. E.	10mg/m3	N. E.	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

CHEMICAL NAME	CAS NUMBER	WEIGHT %	TLV-TWA	OCCUPATIONAL EXPOSURE LIMITS			SKIN
				TLV-STEL	PEL-TWA	PEL-CEILING	
CRYSTALLINE SILICA	14808-60-7	1-3%	.1 mg/M3	N. E.	.1 mg/m3	N. E.	NO

(See Section X for abbreviation legend)

SECTION II-G HAZARDOUS INGREDIENTS

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

RAW UMBER

CHEMICAL NAME	CAS NUMBER	WEIGHT %	TLV-TWA	OCCUPATIONAL EXPOSURE LIMITS			SKIN
				TLV-STEL	PEL-TWA	PEL-CEILING	
MANGANITE	1317-34-6	1 - 2%	5 mg/M3	N. E.	N. E.	N. E.	NO

(See Section X for abbreviation legend)

SECTION II-H HAZARDOUS INGREDIENTS

THE FOLLOWING PRODUCTS CONTAIN AROMATIC DISTILLATE (CAS # 1330-20-7)

VAN DYKE BROWN

CHEMICAL NAME	CAS NUMBER	WEIGHT %	TLV-TWA	OCCUPATIONAL EXPOSURE LIMITS			SKIN
				TLV-STEL	PEL-TWA	PEL-CEILING	
AROMATIC DISTILLATE	1330-20-7	1-2%	1 00 PPM	150 PPM	NO INFO	NO INFO	NO

(See Section X for abbreviation legend)

SECTION II-I HAZARDOUS INGREDIENTS

THE FOLLOWING PRODUCTS CONTAIN CARBON BLACK (CAS # 1333-86-4)

REFINED LAMP BLACK - SOLID COVERING LAMPBLACK

CHEMICAL NAME	CAS NUMBER	WEIGHT %	TLV-TWA	OCCUPATIONAL EXPOSURE LIMITS			SKIN
				TLV-STEL	PEL-TWA	PEL-CEILING	
CARBON BLACK	1333-86-4	3 - 7%	3.5 mg/M3	N. E.	3.5 mg/M3	N. E.	NO

(See Section X for abbreviation legend)

SECTION III - PHYSICAL DATA

BOILING RANGE: 310-395° F

SOLUBILITY: NEGLIGIBLE

DENSITY: 9.9 - 10.8 LB/GAL.

MAXIMUM VOCS: 3.76 LB/GAL - 450 GRAMS/LITER

VAPOR DENSITY: HEAVIER THAN AIR

EVAPORATION RATE: SLOWER THAN

BUTYL ACETATE

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION:

OSHA - COMBUSTIBLE LIQUID - CLASS II

DOT -COMBUSTIBLE LIQUID

FLASH POINT: 107° F (TCC)

LEL: 0.9%

UEL: 6.0%

EXTINGUISHING MEDIA: DRY CHEMICAL, CARBON DIOXIDE, FOAM.

UNUSUAL FIRE AND EXPLOSION HAZARDS: KEEP CONTAINERS TIGHTLY CLOSED.

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 MAY 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 THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.

NOTICE: 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.

SECTION V - HEALTH HAZARD DATA (CONTINUED)

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

EMERGENCY AND FIRST AID PROCEDURES:

- EYE CONTACT:** FLUSH WITH LARGE QUANTITIES OF WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.
- SKIN CONTACT:** REMOVE SATURATED CLOTHING. WASH WITH SOAP AND WATER. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS. WASH 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. SEEK MEDICAL ATTENTION IMMEDIATELY.

PRIMARY ROUTE(S) OF ENTRY: INHALATION, INGESTION, SKIN.

SECTION VI - REACTIVITY DATA

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

CONDITIONS TO 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 EXPOSURE LIMITS (SECTION III) USE A NIOSH - APPROVED RESPIRATOR 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 VAPORS. 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 THE REPORTING REQUIREMENTS OF SARA (40CFR PART 372) AND THE PRODUCTS THAT CONTAIN THOSE CHEMICALS.

- 1) ETHYLENE GLYCOL MONOBUTYL ETHER (CAS # 111-76-2) (SEE PAGE 2, SECTION II-C FOR PRODUCT NAMES AND %).
- 2) AROMATIC DISTILLATE (CAS # 1330-20-7) (SEE PAGE 4, SECTION II-H FOR PRODUCT NAMES AND %).
- 3) CRYSTALLINE SILICA (CAS # 14808-60-7) (SEE PAGE 3, 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 ON INDIVIDUAL PRODUCTS.

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

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