

T.J. RONAN PAINT CORP.  
MATERIAL SAFETY DATA SHEET  
FOR PROFESSIONAL GRAPHIC ARTS COATINGS

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SECTION I - PRODUCT IDENTIFICATION

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PRODUCT CLASS: BULLETIN COLOR

<u>PRODUCT CODE:</u>	021 BLACK	140 LIGHT GREEN
	101 WHITE	142 EMERALD GREEN
	1100 RED ORANGE	143 PROCESS GREEN
	1102 SCARLET RED	144 MEDIUM GREEN
	1104 CHERRY RED	148 DARK GREEN
	105 IMITATION SILVER	150 BLUE GREEN
	106 CARMINE	152 LIGHT BLUE
	107 IMITATION GOLD	154 PROCESS BLUE
	108 MAROON	155 REFLEX BLUE
	114 MEDIUM BROWN	156 BRILLIANT BLUE
	115 DARK BROWN	158 DARK BLUE
	116 IVORY	162 PURPLE
	125 BRIGHT ORANGE	164 PROCESS PURPLE
	129 PROCESS YELLOW	165 RUBINE RED
	131 LIGHT YELLOW	166 MAGENTA
	133 MEDIUM YELLOW	180 LIGHT GRAY
	135 GOLDEN YELLOW	SW101 SUPER WHITE
	SHB SHADING BLACK	SHW SHADING WHITE

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SECTION II-A HAZARDOUS INGREDIENTS

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

CHEMICAL NAME	CAS #	WEIGHT %	-----EXPOSURE LIMITS-----				
			(TLV-TWA)	TLV-STEL	PEL-TWA	PEL -CEILING	SKIN
ALIPHATIC DISTILLATE	8052-41-3	18 - 48	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)

1100 RED ORANGE - 101 WHITE - 107 IMITATION GOLD - 116 IVORY - 125 BRIGHT ORANGE  
129 PROCESS YELLOW - 131 LIGHT YELLOW - 133 MEDIUM YELLOW - 135 GOLDEN YELLOW  
140 LIGHT GREEN - 142 EMERALD GREEN - 143 PROCESS GREEN - 150 BLUE GREEN  
152 LIGHT BLUE - 154 PROCESS BLUE - 155 REFLEX BLUE - 156 BRILLIANT BLUE - 158 DARK BLUE  
162 PURPLE - 164 PROCESS PURPLE - 166 MAGENTA - 180 LIGHT GRAY - SHW SHADING WHITE  
SW101 SUPER WHITE

CHEMICAL NAME	CAS #	WEIGHT %	EXPOSURE LIMITS				
			(TLV-TWA)	TLV-STEL	PEL-TWA	PEL -CEILING	SKIN
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)

21 BLACK - 1100 RED ORANGE - 1102 SCARLET RED - 1104 CHERRY RED - 125 BRIGHT ORANGE  
129 PROCESS YELLOW - 131 LIGHT YELLOW - 133 MEDIUM YELLOW - 135 GOLDEN YELLOW  
165 RUBINE RED

CHEMICAL NAME	CAS #	WEIGHT %	EXPOSURE LIMITS				
			(TLV-TWA)	TLV-STEL	PEL-TWA	PEL -CEILING	SKIN
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	1 - 4	25 PPM	50 PPM.	50 PPM.	N.E.	NO

(SEE SECTION X FOR ABBREVIATION LEGEND)

## SECTION II-D HAZARDOUS INGREDIENTS

THE FOLLOWING PRODUCTS CONTAIN PETROLEUM DISTILLATE (CAS# 64742-95-6)

21 BLACK - 1100 RED ORANGE - 1102 SCARLET RED - 1104 CHERRY RED - 125 BRIGHT ORANGE  
131 LIGHT YELLOW - 135 GOLDEN YELLOW

CHEMICAL NAME	CAS #	WEIGHT %	EXPOSURE LIMITS				
			(TLV-TWA)	TLV-STEL	PEL-TWA	PEL -CEILING	SKIN
PETROLEUM DISTILLATE	64742-95-6	1 - 4	50 PPM	NO INFO	NO INFO	NO INFO	NO

(SEE SECTION X FOR ABBREVIATION LEGEND)

## SECTION II-E HAZARDOUS INGREDIENTS

THE FOLLOWING PRODUCTS CONTAIN 1,2,4 TRIMETHYLBENZENE (CAS# 95-63-6)  
21 BLACK - 1102 SCARLET RED - 1104 CHERRY RED - 125 BRIGHT ORANGE - 131 LIGHT YELLOW  
135 GOLDEN YELLOW

CHEMICAL NAME	CAS #	WEIGHT %	-----EXPOSURE LIMITS-----				
			(TLV-TWA)	TLV-STEL	PEL-TWA	PEL -CEILING	SKIN
1,2,4 TRIMETHYL BENZENE	95-63-6	1 - 2	50 PPM	N.E.	N.E.	N.E.	NO

(SEE SECTION X FOR ABBREVIATION LEGEND)

## SECTION II-F HAZARDOUS INGREDIENTS

THE FOLLOWING PRODUCTS CONTAIN ALUMINUM PASTE (CAS# 7429-90-5)  
105 IMITATION SILVER

CHEMICAL NAME	CAS #	WEIGHT %	-----EXPOSURE LIMITS-----				
			(TLV-TWA)	TLV-STEL	PEL-TWA	PEL -CEILING	SKIN
ALUMINUM PASTE	7429-90-5	13 - 24	50 PPM	N.E.	N.E.	N.E.	NO

(SEE SECTION X FOR ABBREVIATION LEGEND)

## SECTION II-G HAZARDOUS INGREDIENTS

THE FOLLOWING PRODUCTS CONTAIN AROMATIC DISTILLATE (CAS# 1330-20-7)  
21 BLACK - 155 REFLEX BLUE - SHB SHADING BLACK - SHW SHADING WHITE

CHEMICAL NAME	CAS #	WEIGHT %	-----EXPOSURE LIMITS-----				
			(TLV-TWA)	TLV-STEL	PEL-TWA	PEL -CEILING	SKIN
AROMATIC DISTILLATE	1330-20-7	1 - 2	100 PPM	150 PPM	NO INFO	NO INFO	NO

(SEE SECTION X FOR ABBREVIATION LEGEND)

## SECTION II-H HAZARDOUS INGREDIENTS

THE FOLLOWING PRODUCTS CONTAIN IRON (III) OXIDE (CAS# 1309-37-1)  
108 MAROON - 114 MEDIUM BROWN - 115 DARK BROWN

CHEMICAL NAME	CAS #	WEIGHT %	-----EXPOSURE LIMITS-----				
			(TLV-TWA)	TLV-STEL	PEL-TWA	PEL -CEILING	SKIN
IRON (III) OXIDE	1309-37-1	2 - 7	5 mg/M3	N. E.	5 mg/m3	N. E.	NO

(SEE SECTION X FOR ABBREVIATION LEGEND)

## SECTION II-I HAZARDOUS INGREDIENTS

THE FOLLOWING PRODUCTS CONTAIN CARBON BLACK (CAS# 1333-86-4)  
21 BLACK – SHB SHADING BLACK

CHEMICAL NAME	CAS #	WEIGHT %	-----EXPOSURE LIMITS-----				
			(TLV-TWA)	TLV-STEL	PEL-TWA	PEL -CEILING	SKIN
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 DEG. F  
SOLUBILITY: NEGLIGIBLE  
7.49 - 10.50 LB/GAL.  
MAXIMUM VOCS: 3.76 LB/GAL - 450 GRAMS/LITER

VAPOR DENSITY: HEAVIER THAN AIR  
EVAPORATION RATE: SLOWER THAN PRODUCT DENSITY:  
BUTYL ACETATE

## 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 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

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### 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.

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 ROUTES OF ENTRY: INHALATION, INGESTION, SKIN.

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## SECTION VI - REACTIVITY DATA

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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

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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.

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## SECTION VIII - SAFE HANDLING AND USE INFORMATION

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RESPIRATORY PROTECTION: IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS (SECTION III) USE A NOISH - 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 REUSING.

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## SECTION IX - SPECIAL PRECAUTIONS

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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.

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## SECTION X - REGULATORY INFORMATION

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#### SARA NOTIFICATION

TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) HAS CREATED NEW 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 (40 CFR PART 372) AND THE PRODUCTS THAT CONTAIN THOSE CHEMICALS.

1). ALUMINUM - (CAS# 74929-90-5) (SEE PAGE 4 SECTION II-I FOR PRODUCT NAMES AND %).

2). ETHYLENE GLYCOL MONOBUTYL ETHER (CAS# 111-76-2) (SEE PAGE 3 SECTION II-F FOR PRODUCT NAMES AND %).

3). AROMATIC DISTILLATE (CAS# 1330-20-7) (SEE PAGE 5 SECTION II-K 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

THE INFORMATION CONTAINED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE AND BELIEF ACCURATE. HOWEVER SINCE THE CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY USE OF THIS MATERIAL. IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.