

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

SECTION 1 - PRODUCT IDENTIFICATION

MANUFACTURER'S NAME: T.J. RONAN PAINT CORP.  
749 EAST 135TH. STREET  
BRONX, NEW YORK 10454

INFORMATION PHONE: (718) 292-1100 DATE: 1/25/16

EMERGENCY PHONE: (800) 424-9300 CHEMTREC

PRODUCT CLASS: LETTERING ENAMEL

<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	LSW SHADING WHITE
	LSHB SHADING BLACK	

SECTION 2-A HAZARDOUS INGREDIENTS

ALL THE ABOVE PRODUCTS CONTAIN ALIPHATIC DISTILLATE (CAS# 64742-88-7)

CHEMICAL NAME	CAS #	WEIGHT %	-----EXPOSURE LIMITS-----			
			(TLV-TWA)	TLV-STEL	PEL-TWA	PEL -CEILING SKIN
ALIPHATIC DISTILLATE	64742-88-7	5 - 48	100 PPM	NO INFO	500 PPM	NO INFO NO

(SEE SECTION X FOR ABBREVIATION LEGEND)

---

SECTION 2-B HAZARDOUS INGREDIENTS

---

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

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-C HAZARDOUS INGREDIENTS

---

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

CHEMICAL NAME	CAS #	WEIGHT %	-----EXPOSURE LIMITS-----				
			(TLV-TWA)	TLV-STEL	PEL-TWA	PEL -CEILING	SKIN
AROMATIC DISTILLATE	1330-20-7	.1 - 8	100 PPM	150 PPM	NO INFO	NO INFO	NO

(SEE SECTION X FOR ABBREVIATION LEGEND)

---

SECTION II-D HAZARDOUS INGREDIENTS

---

ALL THE ABOVE PRODUCTS CONTAIN HYDROTREATED HEAVY NAPHTHA (CAS# 64742-48-9)

CHEMICAL NAME	CAS #	WEIGHT %	-----EXPOSURE LIMITS-----				
			(TLV-TWA)	TLV-STEL	PEL-TWA	PEL -CEILING	SKIN
HYDROTRAETED HEAYY NAPHTHA	64742-48-9	.1 - 5	500 PPM	N/A	NO INFO	500 PPM	NO

(SEE SECTION X FOR ABBREVIATION LEGEND)

---

SECTION 2-E HAZARDOUS INGREDIENTS

---

THE FOLLOWING PRODUCTS CONTAIN 1,2,4 TRIMETHYLBENZENE (CAS# 95-63-6)  
21 BLACK - 101 WHITE - 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
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 2-F HAZARDOUS INGREDIENTS

---

ALL THE ABOVE PRODUCTS (**except 105 IMITATION SILVER**) CONTAIN ETHYLENE GLYCOL MONOBUTYL ETHER (CAS# 111-76-2)

-----EXPOSURE LIMITS-----							
CHEMICAL NAME	CAS #	WEIGHT %	(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 2-G 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 – LSHW SHADING WHITE

-----EXPOSURE LIMITS-----							
CHEMICAL NAME	CAS #	WEIGHT %	(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 2-H HAZARDOUS INGREDIENTS

---

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

-----EXPOSURE LIMITS-----							
CHEMICAL NAME	CAS #	WEIGHT %	(TLV-TWA)	TLV-STEL	PEL-TWA	PEL -CEILING	SKIN
ALUMINUM PASTE	7429-90-5	12 - 17	50 PPM	N.E.	N.E.	N.E.	NO

(SEE SECTION X FOR ABBREVIATION LEGEND)

---

---

SECTION 2-I HAZARDOUS INGREDIENTS

---

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

CHEMICAL NAME	CAS #	WEIGHT %	EXPOSURE LIMITS				SKIN
			(TLV-TWA)	TLV-STEL	PEL-TWA	PEL -CEILING	
CARBON BLACK	1333-86-4	2 - 7	3.5 mg/M3	N. E.	3.5 mg/M3	N. E.	NO

(SEE SECTION X FOR ABBREVIATION LEGEND)

---

---

SECTION 2-J HAZARDOUS INGREDIENTS

---

THE FOLLOWING PRODUCTS CONTAIN ETHYLBENZENE (CAS# 100-41-4)  
105 IMITATION SILVER

CHEMICAL NAME	CAS #	WEIGHT %	EXPOSURE LIMITS				SKIN
			(TLV-TWA)	TLV-STEL	PEL-TWA	PEL -CEILING	
ETHYL BENZENE	100-41-4	1 - 2	100 PPM	150 PPM	100 PPM	N.E.	NO

(SEE SECTION X FOR ABBREVIATION LEGEND)

---

---

SECTION 2-K 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 % LESS THAN	EXPOSURE LIMITS				SKIN
			(TLV-TWA)	TLV-STEL	PEL-TWA	PEL -CEILING	
IRON (III) OXIDE	1309-37-1	7%	5 mg/M3	N. E.	10 mg/M3.	N. E.	NO

(SEE SECTION X FOR ABBREVIATION LEGEND)

---

---

## SECTION 3 - HAZARDS IDENTIFICATION

---



### **Signal Word**

Warning

**EMERGENCY OVERVIEW:** Harmful if inhaled. Harmful if absorbed through skin. Harmful if swallowed. Vapors are irritating to eyes and respiratory tract. These products may contain pigments which may become a dust nuisance when removed by abrasive blasting, sanding or grinding.

**COMBUSTIBLE LIQUID AND VAPOR. MAY CAUSE FLASH FIRE OR EXPLOSION.**

**PRIMARY ROUTES OF EXPOSURE:** INHALATION, INGESTION, SKIN.

### **EFFECTS OF OVEREXPOSURE**

**EYE CONTACT:** Causes irritation, redness, tearing, blurred vision.

**SKIN CONTACT:** Repeated contact may cause irritation, defatting and dermatitis.

**INHALATION:** Harmful if inhaled. Inhalation causes respiratory irritation. Causes central nervous depression and weakness with headaches, narcosis, nausea, dizziness, vomiting, uncoordinated or strange behavior or unconsciousness. Can also cause nasal discharge, hoarseness, coughing, chest pain and breathing difficulty. 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.

**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.

**MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:** Pre-existing eye, skin or respiratory disorders. Anemia.

---

## SECTION 4 – FIRST AID MEASURES

---

**EYE CONTACT:** Immediately 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. Give victim a glass of water or milk. Seek medical attention immediately. Never give anything by mouth to an unconscious person.

---

## SECTION 5 - FIREFIGHTING MEASURES

---

FLASH POINT: 107° F (TCC). Auto Ignition Temperature: 446 – 540° F  
Explosion / Flammability Limits In Air: 0.5 – 6.0% (V)

**EXTINGUISHING MEDIA:** CARBON DIOXIDE, DRY CHEMICAL, FOAM.

**FLAMMABLE PROPERTIES:** During a fire, irritating and toxic gases may be formed. Do not breathe smoke or fumes. Wear suitable protective equipment.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Vapors can travel to a source of ignition and flash back. Combustible liquid. Can form explosive mixtures at temperatures at or above the flashpoint. “Empty” containers retain product residue (liquid and/or vapor) and can be dangerous. **DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAMES, SPARKS, STATIC ELECTRICITY OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.** Keep containers tightly closed. Closed containers may explode when exposed to extreme heat. Isolate from heat, sparks and open flame. Vapors are heavier than air and may travel along the ground or may be moved by ventilation and may be ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge or other ignition sources at locations distant from the material handling point. Eliminate or shut off **ALL** ignition sources prior to usage.

**SPECIAL FIREFIGHTING PROCEDURES:** Keep unnecessary people away. Isolate area. Water may spread fire. Water spray may be used to cool containers exposed to fire. Do not breathe fumes. Wear a self contained breathing apparatus (pressure demand, NIOSH/MSHA approved or equivalent) and full protective gear. Overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

---

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

---

**PERSONAL PRECAUTIONS:** Warning! Eliminate all ignition sources. Handling equipment must be grounded to prevent sparking. Ventilate the area. If mechanical ventilation is necessary use explosion proof ventilation. Do not breathe fumes. If exposure may or does exceed occupational exposure limits (Section 2) use a NOISH/MSHA approved respirator to prevent overexposure. Avoid contact with eyes and skin. Wear suitable protective gloves, clothing and eye/face protection. Floor may be slippery. Use caution to prevent falling.

**ENVIRONMENTAL PRECAUTIONS:** Do not let product enter drains. Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**METHOD FOR CLEANING UP:** Dike and contain spill with inert absorbent material and place in appropriate waste container.

**WASTE DISPOSAL METHOD:** Dispose of product in accordance with local, county, state and federal regulations.

---

## SECTION 7 - HANDLING AND STORAGE

---

### **HANDLING**

Respiratory protection: Do not breathe fumes, spray mists or vapors (see Section 3 for effects of inhalation). Use natural or local explosion proof ventilation as required to insure that vapor concentrations are kept below exposure limits. If exposure may or does exceed occupational exposure limits (Section 2) use a NOISH/MSHA approved respirator to prevent overexposure.

Protective gloves: Wear impervious chemical resistant gloves.

Eye protection: Wear chemical resistant goggles to prevent eye contact.

Other protective equipment: Wear protective clothing as required to prevent skin contact. Eye wash station should be available.

Other precautions: Avoid breathing vapors. Avoid contact with eyes, skin and clothing. Do not weld heat or drill on or near container; even emptied containers can contain explosive vapors. Use spark-proof tools and explosion proof equipment. Do not take internally. Observe label precautions.

Hygienic practices: Wash with soap and water after handling and before eating, drinking, smoking or using toilet facilities. Launder contaminated clothing before reusing. Uniforms or clothing containing paint residue should not be laundered with household garments.

**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 ventilation.

---

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

---

**ENGINEERING CONTROLS:** General ventilation is recommended. Additional local explosion-proof exhaust is recommended where dusts, mists or vapors may be released.

**RESPIRATORY PROTECTION:** If exposure may or does exceed occupational exposure limits (Section 2) use a NOISH/MSHA approved respirator with organic vapor cartridge to prevent overexposure.

**SKIN PROTECTION:** Wear impervious chemical resistant gloves. Wear protective clothing as required to prevent skin contact.

**EYE PROTECTION:** Wear chemical resistant goggles to prevent eye contact.

**HYGIENIC PRACTICES:** Wash with soap and water after handling and before eating, drinking, smoking or using toilet facilities. Launder contaminated clothing before reuse.

**OTHER PRECAUTIONS:** Avoid breathing vapors. Avoid contact with eyes, skin and clothing. Do not weld heat or drill on or near container; even emptied containers can contain explosive vapors. Use spark-proof tools and explosion proof equipment. Do not take internally. Observe label precautions.

---

## SECTION 9 - PHYSICAL DATA

---

BOILING RANGE: 310-395 DEG. F  
SOLUBILITY IN H<sub>2</sub>O: NEGLIGIBLE  
DENSITY: 7.49 - 10.50 LB/GAL.

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

MAXIMUM VOCS: 3.76 LB/GAL - 450 grams/liter.

---

## SECTION 10 – STABILITY AND REACTIVITY

---

**CONDITIONS TO AVOID:** Heat, sparks and open flame. Peroxides and strong oxidizing agents.

**INCOMPATIBILITY:** Peroxides and strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** May produce fumes when heated to decomposition. Fumes may contain carbon monoxide and/or carbon dioxide.

**HAZARDOUS POLYMERIZATION:** Will not occur under normal conditions.

**STABILITY:** This product is stable under normal storage conditions.



---

SECTION 11 - TOXICOLOGICAL INFORMATION

---

No toxicological studies have been conducted on this product.

---

SECTION 12 - ECOLOGICAL INFORMATION

---

No studies have been conducted on this product.

---

SECTION 13 - DISPOSAL INFORMATION

---

Dispose of in accordance with local, state and federal regulations.

---

SECTION 14 - TRANSPORT INFORMATION

---

**DOMESTIC GROUND SHIPMENTS (WITHIN THE U. S. A.)**

Not regulated.

**AIR SHIPMENTS, INTERNATIONAL SHIPMENTS, AND SHIPMENTS WITHIN OTHER COUNTRIES**

**SHIPPING NAME:** PAINT

**UN NUMBER:** UN1263

**HAZARD CLASS:** 3

**PACKAGING GROUP:** III

---

SECTION 15 – 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 (40 CFR Part 372) and the products that contain those chemicals.

- 1). ALUMINUM- (CAS# 74929-90-5) (see page 3, Section 2-H for product names and %).
- 2). ETHYLENE GLYCOL MONOBUTYL ETHER (CAS# 111-76-2) (see page 3, Section 2-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.

**SARA TITLE III SECTION 313 NOTIFICATION**

This product contains no chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act.

**OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200**

This product is a hazardous as defined. See Section 2 for the hazardous ingredients in this product.

**SARA HAZARD CATEGORIES (311/312)**

Immediate (Acute) Health Hazard.      Delayed (Chronic) Health Hazard.      Fire Hazard.

---

SECTION 16 - OTHER INFORMATION

---

**HMIS RATINGS**      HEALTH – 2      FLAMMABILITY – 2      REACTIVITY - 0

VOLATILE ORGANIC COMPOUNDS (VOCS) – See Section 9.

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.