

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

SECTION I - PRODUCT IDENTIFICATION

MANUFACTURER'S NAME: T.J. RONAN PAINT CORP.
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PRODUCT CLASS: PRIME-ALL

PRODUCT COLORS: WHITE - RED OXIDE

SECTION 2A HAZARDOUS INGREDIENTS

ALL THE ABOVE PRODUCTS CONTAIN ALUMINUM SILICATE (CAS #1332-58-7)

CHEMICAL NAME	CAS #	WEIGHT % LESS THAN	-----EXPOSURE LIMITS-----				
			(TLV-TWA)	TLV-STEL	PEL-TWA	PEL -CEILING	SKIN
ALUMINUM SILICATE	1332-58-7	15%	2 mg/M3	N. E.	5 mg/M3	N.E.	NO

(SEE SECTION X FOR ABBREVIATION LEGEND)

SECTION 2B HAZARDOUS INGREDIENTS

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

CHEMICAL NAME	CAS #	WEIGHT % LESS THAN	-----EXPOSURE LIMITS-----				
			(TLV-TWA)	TLV-STEL	PEL-TWA	PEL -CEILING	SKIN
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	5%	25 PPM	50 PPM.	50 PPM.	N.E.	NO

(SEE SECTION X FOR ABBREVIATION LEGEND)

SECTION 2C HAZARDOUS INGREDIENTS

ALL THE ABOVE PRODUCTS CONTAIN BARIUM COMPOUNDS (CAS #10048-98-3)

CHEMICAL NAME	CAS #	WEIGHT % LESS THAN	EXPOSURE LIMITS				
			(TLV-TWA)	TLV-STEL	PEL-TWA	PEL -CEILING	SKIN
BARIUM COMPOUNDS	10048-98-3	5%	.5 mg/M3	1.0 mg/M3.	.5 mg/M3.	N.E.	NO

(SEE SECTION X FOR ABBREVIATION LEGEND)

SECTION 2D HAZARDOUS INGREDIENTS

ALL THE ABOVE PRODUCTS CONTAIN ZINC COMPOUND (CAS #1314-13-2)

CHEMICAL NAME	CAS #	WEIGHT % LESS THAN	EXPOSURE LIMITS				
			(TLV-TWA)	TLV-STEL	PEL-TWA	PEL -CEILING	SKIN
ZINC COMPOUND	1314-13-2	5%	5 mg/M3	15 mg/M3.	15 mg/M3.	N.E.	NO

(SEE SECTION X FOR ABBREVIATION LEGEND)

SECTION 2E HAZARDOUS INGREDIENTS

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

CHEMICAL NAME	CAS #	WEIGHT % LESS THAN	EXPOSURE LIMITS				
			(TLV-TWA)	TLV-STEL	PEL-TWA	PEL -CEILING	SKIN
TITANIUM DIOXIDE	13463-67-7	15%	10 mg/M3	N. E.	15 mg/M3	N. E.	NO

(SEE SECTION X FOR ABBREVIATION LEGEND)

SECTION 2F HAZARDOUS INGREDIENTS

THE FOLLOWING PRODUCTS CONTAIN IRON (III) OXIDE (CAS #1309-37-1)
PRA01 RED OXIDE

CHEMICAL NAME	CAS #	WEIGHT % LESS THAN	EXPOSURE LIMITS				
			(TLV-TWA)	TLV-STEL	PEL-TWA	PEL -CEILING	SKIN
IRON (III) OXIDE	1309-37-1	15%	5 mg/M3	N. E.	10 mg/M3.	N. E.	NO

(SEE SECTION X FOR ABBREVIATION LEGEND)

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Warning! May cause skin irritation and/or dermatitis. 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.

PRIMARY ROUTES OF EXPOSURE: Skin contact, Inhalation, Ingestion, Eye contact.

EFFECTS OF OVEREXPOSURE

EYE CONTACT: Moderately irritating to eyes.

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

INHALATION: Harmful if inhaled. Inhalation of vapors in high concentration may cause respiratory irritation. Inhalation of high vapor concentration can cause CNS-depression and narcosis.

INGESTION: Can cause irritation of the digestive tract, nausea, vomiting and diarrhea. In severe cases ingestion can be fatal.

Target Organs: Eyes, Central Vascular System (CVS), Kidney Liver, Central Nervous System (CNS)

SECTION 4 – FIRST AID MEASURES

EYE CONTACT: Move individual away from exposure. 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 victim to fresh air. Keep warm and quiet. If not breathing give artificial respiration. Get medical attention immediately.

INGESTION: Do not induce vomiting. Give victim a glass of water. Seek medical attention immediately. Never give anything by mouth to an unconscious person.

SECTION 5 - FIREFIGHTING MEASURES

FLASH POINT: Not applicable.

EXTINGUISHING MEDIA: Water spray, Dry chemical, Carbon dioxide, Foam.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, Carbon dioxide (CO₂), Nitrogen oxides (NO_x).

UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers may rupture when exposed to extreme heat. Harmful vapors.

FLAMMABLE PROPERTIES: Not applicable.

SPECIAL FIREFIGHTING PROCEDURES: Wear a self contained breathing apparatus (pressure demand, NIOSH/MSHA approved or equivalent) and full protective gear. Thoroughly decontaminate all protective equipment after use. Keep unnecessary people away. Isolate area. Water spray may be used to cool containers exposed to fire. Do not breathe fumes. 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: Ventilate the area. Ensure adequate ventilation. Do not breathe fumes. If exposure may or does exceed occupational exposure limits (see Section 2) use a NIOSH/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. Keep people away from spill.

ENVIRONMENTAL PRECAUTIONS: Prevent spill from contaminating soil. Do not let product enter sanitary systems or 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 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 take internally. When using do not eat, drink or smoke. 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 from freezing. Keep containers tightly closed. Store in a cool dry place with adequate ventilation. Storage Temperature Minimum 50° F - Maximum 80° F.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: General ventilation is recommended. Additional local 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 take internally. Observe label precautions.

SECTION 9 - PHYSICAL DATA

BOILING RANGE: 212° F – 340° F

ODOR: LOW

APPEARANCE: WHITE & RED OXIDE
LIQUIDS

SOLUBILITY IN H₂O: WATER SOLUBLE

VOLATILE BY WEIGHT: - 40.4% - 42.9% **VOLATILE BY VOLUME:** - 56.7% - 58.7%

VOC: - LESS THAN 100 GRAMS/LITER

VAPOR DENSITY: HEAVIER THAN AIR

SPECIFIC GRAVITY: 1.3653 TO 1.3750

EVAPORATION RATE: SLOWER THAN BUTYL
ACETATE

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: This product is stable under normal conditions.

CONDITIONS TO AVOID: Freezing temperature. Contamination by those materials referred to under incompatible materials.

INCOMPATIBLE MATERIALS: Strong acids. Strong bases. Strong oxidizing agents. Reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Carbon dioxide (CO₂). Hydrocarbons. Nitrogen oxides (NO_x).

HAZARDOUS POLYMERIZATION: Will not occur under normal 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

DOT - Not regulated.

IMDG/IMO - Not regulated.

IATA - Not regulated.

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). **ETHYLENE GLYCOL MONOBUTYL ETHER** (CAS #111-76-2). (see page 1, section 2B for product names and %).
- 2). **BARIUM COMPOUNDS** (CAS #10048-98-3). (see page 2, section 2C for product names and %).
- 3). **ZINC COMPOUNDS** (CAS #1314-13-2). (see page 2, section 2D 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 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.

SECTION 16 - OTHER INFORMATION

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.