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MATERIAL SAFETY DATA SHEET

FOR COATINGS, RESINS AND RELATED MATERIALS
(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA 202)

The John G. Marshall Mfg. Co., Inc.

DATE OF PREP
2-1-88

P.O. Box 649
Deerfield, IL 60015

EMERGENCY TELEPHONE NO. 312-478-7111 (DA)
INFORMATION TELEPHONE NO. 312-478-7111

SECTION I

PRODUCT NUMBER: 028
Titanium White Photo Oil Color
PRODUCT NAME:
PRODUCT CLASS: Color in oil.

SECTION II — HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	PERCENT	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE		TOXICITY DATA
			TLV	PEL	mm Hg	Hg	
Ethyl Alcohol	64-17-5	> 0.5%	1000 PPM		40		TLV: 50 mg/kg
Zinc Oxide	1314-13-2	15.4%	5 mg/m ³				IDL: 600 mg/m ³ /PUL

SECTION III — PHYSICAL DATA

BOILING RANGE: N/A VAPOR DENSITY: HEAVIER LIGHTER THAN AIR
EVAPORATION RATE: FASTER THAN ETHER PERCENT VOLATILE BY VOLUME: 0.5%
 SLOWER THAN ETHER WEIGHT PER GALLON: 15.7 lbs/gal.

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: OSHA III A FLASH POINT: 150°F. LEL: ----
DOT
EXTINGUISHING MEDIA: FOAM "ALCOHOL" FOAM CO₂ DRY CHEMICAL WATER OTHER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: Rags and waste paper containing this material may heat and burn spontaneously. Store wiping materials in metal cans with tight lids: soak with water.

SPECIAL FIREFIGHTING PROCEDURES: Avoid use of water, but if only alternative, implement. Use water to keep fire-exposed containers cool. See special precautions on burning.

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SECTION V — HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: Inhalation of product may cause mild irritation of nose and throat. Eye contact may cause redness and tearing. Sensitive individuals may experience dermatitis, after long exposure on skin. Ingestion of large amounts may cause gastro-intestinal upset.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: None reported.

PRIMARY ROUTE(S) OF ENTRY: DERMAL INHALATION INGESTION

EMERGENCY AND FIRST AID PROCEDURES: **EYE CONTACT:** Flush with clean lukewarm water for at least 15 minutes, occasionally lifting eyelids. **SKIN CONTACT:** May be removed from skin with waterless cleaner followed by washing with soap and warm water. **INHALATION:** Expose individual to fresh air source. **INGESTION:** Keep person warm and quiet; seek medical advice for prevention of possible dehydration.

SECTION VI — REACTIVITY DATA

STABILITY: UNSTABLE STABLE Spontaneous combustion can occur.

HAZARDOUS POLYMERIZATION: MAY OCCUR WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield carbon dioxide and/or carbon monoxide.

CONDITIONS TO AVOID: Keep from contact with oxidizing materials.

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid contact with strong oxidizing agents; violent reaction with Cl_2 , chlorinated rubber.

SECTION VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Small spills can be picked up with absorbent material and transferred into closed metal containers and soaked with water. Large spills can be scooped up and put into containers and salvaged.

WASTE DISPOSAL METHOD: Carefully incinerate or use secure landfill or special waste landfill in accordance with local, state and federal regulations.

SECTION VIII — SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: Not normally needed.

VENTILATION: Intermittent clean air exchanges recommended.

PROTECTIVE GLOVES: Neoprene rubber gloves.

EYE PROTECTION: Safety glasses.

OTHER PROTECTIVE EQUIPMENT: Prevent repeated or prolonged skin contact.

HYGIENIC PRACTICES: Eyewashes in the workplace are recommended.

SECTION IX — SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid accumulation of contaminated rags or wiping materials by immediate immersion in water.

OTHER PRECAUTIONS: The conditions of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage use or disposal of the product.

Data in this Material Safety Data Sheet is accurate and reliable to the best of our knowledge and belief and relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.