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 20516-1021

## MATERIAL SAFETY DATA SHEET

**PRODUCT NAME:** MARSHALL TITANIUM WHITE  
 PHOTO OIL COLOR  
**PRODUCT CODE(S):** MS-2-TW, MS-4-TW, MS-P-TW

**DATE:** 08/27/06

**SECTION I PRODUCT IDENTIFICATION**  
**MANUFACTURER:** BRANDESS/KALT/AETNA  
 701 CORPORATE WOODS PKWY  
 VERNON HILLS, IL 60061

INFORMATION AND EMERGENCY PHONE DURING BUSINESS HOURS 847-478-7111

FOR EMERGENCY ASSISTANCE INVOLVING A SPILL, LEAK, OR FIRE WITH THIS  
 PRODUCT CALL CHEMTREC 800-424-9300.

**PRODUCT CLASS:** COLOR IN OIL  
**SYNONYMS:** NONE

## SECTION II HAZARDOUS INGREDIENTS

COMPONENTS	CAS #	OSHA PEL	ACHIG TLV	WGT %
Ethyl Alcohol	64-17-5	1000	1000 ppm	>0.5%
Alumina Trihydrate	14762-49-3	5 ppm	10 ppm	<30%
Zinc Oxide	1314-13-2		5 mg/m <sup>3</sup>	<16%

## SECTION III PHYSICAL / CHEMICAL CHARACTERISTICS

**BOILING POINT:** N/A  
**COLOR:** White  
**VAPOR PRESSURE (mm Hg):** 40  
**SOLUBILITY IN WATER:** >1%  
**EVAPORATION RATE:** <1  
**STABILITY:** PRODUCT IS STABLE UNDER NORMAL CONDITIONS

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT:** 160°F SETA  
**FLAMMABLE LIMITS:** OSHA III A  
**EXTINGUISHING MEDIA:** FOAM, CO<sub>2</sub>, DRY CHEMICAL.  
**SPECIAL FIRE FIGHTING INSTRUCTIONS:** AVOID USE OF WATER. IMPLEMENT IF  
 ONLY ALTERNATIVE. WEAR SELF-CONTAINED BREATHING APPARATUS  
 PRESSURE-DEMAND (MSHA/NIOSH APPROVED OR EQUIVALENT) AND FULL  
 PROTECTIVE GEAR.  
**UNUSUAL FIRE & EXPLOSION HAZARDS:** USE WATER TO KEEP FIRE-EXPOSED  
 CONTAINERS COOL. RAGS AND WASTE PAPER CONTAINING THIS MATERIAL  
 MAY HEAT AND BURN SPONTANEOUSLY. STORE WIPING MATERIAL IN METAL  
 CANS WITH TIGHT LIDS. SOAK WITH WATER.

## SECTION V REACTIVITY DATA

**CONDITIONS TO AVOID:** OXIDIZING MATERIALS; VIOLENT REACTIONS TO CL<sub>2</sub>,  
 CHLORINATED RUBBER.

**MARSHALL TITANIUM WHITE PHOTO OIL COLOR****PAGE 2**

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** THERMAL DECOMPOSITION MAY YIELD CARBON DIOXIDE AND/OR CARBON MONOXIDE.

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR. SPONTANEOUS COMBUSTION MAY OCCUR.

**SECTION VI HEALTH HAZARD DATA**

**CHRONIC EFFECTS OF OVEREXPOSURE/CARCINOGENICITY:** NOT LISTED AS A CARCINOGEN BY NTP, IARC AND IS NOT REGULATED BY OSHA.

**EMERGENCY AND FIRST AID PROCEDURES:**

**EYES:** FLUSH EYES WITH CLEAN WATER FOR AT LEAST 15 MINUTES LIFTING EYELIDS. IF IRRITATION PERSISTS CONSULT A PHYSICIAN IMMEDIATELY.

**SKIN:** MAY BE REMOVED FROM SKIN WITH WATERLESS HAND CLEANER FOLLOWED BY WASHING AFFECTED AREA WITH SOAP AND WATER. IF ANY IRRITATION DEVELOPS. CONSULT A PHYSICIAN.

**INHALATION:** REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, CONSULT A PHYSICIAN.

**IF SWALLOWED:** KEEP PERSON WARM AND QUIET; GET IMMEDIATE MEDICAL ATTENTION.

**SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE**

**IF SPILLED OR RELEASED:** SMALL SPILLS SHOULD 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 METAL CONTAINERS AND SALVAGED.

**WASTE DISPOSAL METHOD:** CAREFULLY INCINERATE OR USE SECURE LANDFILLS OR SPECIAL WASTE LANDFILL. COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.

**STORAGE AND HANDLING:** AVOID ACCUMULATION OF CONTAMINATED RAGS OR WIPING MATERIALS BY IMMEDIATE IMMERSION IN WATER.

**SECTION VIII CONTROL MEASURES**

**RESPIRATORY PROTECTION:** NOT NORMALLY NEEDED.

**VENTILATION:** RECOMMENDED

**EYES:** WEAR CHEMICAL SAFETY GOGGLES

**PROTECTIVE GLOVES:** NEOPRENE RUBBER GLOVES. PREVENT REPEATED OR PROLONGED SKIN CONTACT.

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. The opinions expressed herein are those of qualified experts, chemists, and technicians supplied by various chemical manufacturers. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information, these opinions, and the conditions of use of the product are not within the control of Brandess/Kal/Aetna, it is the user's obligation to determine the conditions of safe use of the product.