

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: MARSHALL TITANIUM WHITE
PHOTO OIL COLOR

DATE: 04/20/02

PRODUCT CODE(S): MS-2-TW, MS-4-TW, MS-P-TW

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 ³	<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, CO₂, 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 CL₂, CHLORINATED RUBBER.

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/Kalt/Aetna, it is the user's obligation to determine the conditions of safe use of the product.