

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: MARSHALL CADMIUM ORANGE EXTRA STRONG
PHOTO OIL COLOR

PRODUCT CODE(S): MS-2-CO-X, MS-4-CO-X

DATE: 02/01/99

SECTION I PRODUCT IDENTIFICATION

MANUFACTURER: BKA d/b/a MARSHALL PHOTO OILS
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 %
TRADE SECRET				
Ethyl Alcohol	64-17-5	1000	1000 ppm	<1%
Alumina Trihydrate	14762-49-3	5 ppm	10 ppm	<22%
Barium Sulfate	7727-43-7	.5mg/m ³	.5mg/m ³	<10%
Zinc Sulfide	1314-98-3	15mg/m ³	10mg/m ³	<2%
Cadmium Sulfoselenide	12656-57-4	.005mg/m ³	.05mg/m ³	<12%
TRADE SECRET				

SECTION III PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: N/A
COLOR: Orange
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: 153°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: FIRE CONDITIONS AND CONTACT WITH STRONG ACIDS.
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OXIDIZING MATERIALS; VIOLENT REACTIONS TO Cl_2 , CHLORINATED RUBBER. SANDING OF FILMS CAN CREATE DUST CONTAINING CADMIUM.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: ABOVE 1000°F MAY EMIT SO_2 GAS AND CADMIUM OXIDE FUMES. H_2S GAS WITH STRONG ACIDS.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR. SPONTANEOUS COMBUSTION MAY OCCUR.

SECTION VI HEALTH HAZARD DATA

CHRONIC EFFECTS OF OVEREXPOSURE/CARCINOGENICITY: REPEATED AND PROLONGED INHALATION OR INGESTION OF CADMIUM COMPOUNDS MAY CAUSE DELAYED EFFECTS INVOLVING THE RESPIRATORY AND RENAL SYSTEMS. 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: GIVE LARGE QUANTITIES OF WATER, INDUCE VOMITING. 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, UNLESS SPRAYING

VENTILATION: RECOMMENDED

EYES: WEAR CHEMICAL SAFETY GOGGLES

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

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