

MATERIAL SAFETY DATA SHEET

UNITED MINERAL AND CHEMICAL CORPORATION
100 VALLEY BROOK AVENUE
LYNDHURST, NJ 07071
TEL: 201-507-3300 FAX: 201-507-1506

FOR EMERGENCY CALL:
CHEMTREC
1-800-424-9300

SECTION A - PRODUCT INFORMATION

TRADE NAME : PANAX BLUE BS-7000 or BS-7050
CAS NUMBER : 147-14-8
SYNONYMS : PHTHALO BLUE B; CI PIGMENT BLUE 15:3, C.I. #74160:3
CHEMICAL FAMILY : PHTHALOCYANINE: COPPER COMPLEX PIGMENT
FORMULA : $C_{32}H_{16}N_8Cu$

REVISION DATE : AUGUST 11, 2006

SECTION B - HAZARDOUS COMPONENTS

COMPONENT	CAS NO.	%	PEL/TLV
COPPER (AS AN INTEGRAL PART OF DYE MOLECULE)	7440-50-8	>1%	1 mg/m ³ OSHA TWA, DUSTS & MISTS AS Cu 0.1 mg/m ³ ACGIH TWA, INHALABLE AS Cu

SECTION C - PHYSICAL PROPERTIES

BOILING POINT (°) :	N/A	SPECIFIC GRAVITY :	1.6
MELTING POINT (°) :	N/A	FREEZING POINT (°) :	N/A
VAPOR PRESSURE (mm Hg) :	N/A	PERCENT VOLATILE (BY WT.) :	2% max. as MOISTURE
VAPOR DENSITY (AIR=1) :	N/A	EVAPORATION RATE :	N/A
SOLUBILITY IN WATER :	2% max. WATER SOLUBLE MATTER	pH (10% IN WATER) :	7-10
ODOR THRESHOLD :	N/A		
APPEARANCE & ODOR :	DARK BLUE FINE POWDER; ODORLESS		

SECTION D - FIRE & EXPLOSION DATA

FLASH POINT (°) : NOT AVAILABLE
FLAMMABLE LIMITS : LEL : (UNKNOWN) UEL : (UNKNOWN) AUTO IGNITION TEMP (° F) : (UNKNOWN)
EXTINGUISHING MEDIA : WATER : (X) FOAM : (X) CO₂ : (X) DRY CHEMICAL : (X)
SPECIAL FIRE FIGHTING PROCEDURES : USE PROTECTIVE EQUIPMENT INCLUDING SELF CONTAINED BREATHING APPARATUS. PREVENT RUN OFF TO SEWERS AND BODIES OF WATER FROM FIRE FIGHTING INVOLVING THIS PRODUCT, AS PRODUCT CONTAINS CLEAN WATER ACT PRIORITY POLLUTANTS.
UNUSUAL FIRE & EXPLOSION HAZARDS : AS WITH ANY ORGANIC COMPOUND, DUST CLOUD FORMATION FROM PIGMENT POWDER MAY CREATE A DUST CLOUD EXPLOSION HAZARD.

SECTION E - REACTIVITY DATA

STABILITY : STABLE
INCOMPATIBILITY : STRONG OXIDIZING AGENTS
HAZARDOUS DECOMPOSITION PRODUCTS : WHEN HEATED TO DECOMPOSITION MAY EMIT TOXIC FUMES OF NITROUS OXIDES AND OXIDES OF CARBON. RESIDUE WILL CONTAIN COPPER.
HAZARDOUS POLYMERIZATION : WILL NOT OCCUR
CONDITIONS TO AVOID : DUSTY CONDITIONS, IGNITION SOURCES

SECTION F - PERSONAL PROTECTIVE EQUIPMENT INFO

RESPIRATORY EQUIPMENT : USE NIOSH APPROVED RESPIRATOR OR DUST MASK
PROTECTIVE GLOVES : CHEMICAL RESISTANT GLOVES RECOMMENDED
EYE PROTECTION : SAFETY GLASSES ARE RECOMMENDED
VENTILATION : LOCAL EXHAUST VENTILATION TO MEET PERMISSIBLE EXPOSURE LIMITS (SEE SECTION B)
OTHER PROTECTIVE EQUIPMENT : COVERALLS OR PROTECTIVE CLOTHING