

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

PRODUCT NAME: PANAX FLUORESCENT PIGMENTS "FB" SERIES: FB-203, FB-205, FB-207, FB-305, FB-305R, FB-400, FB-403, FB-503, FB-507, FB-605, FB-707, FB-805, FB-905

COMPANY: UNITED MINERAL & CHEMICAL CORPORATION
1050 Wall Street West, Ste. 660, Lyndhurst, NJ 07071
Tel: 201-507-3300 Fax: 201-507-1506
e-mail: inquiry@umccorp.com

US D.O.T. / UN NAME: NOT REGULATED FOR TRANSPORT

RECOMMENDED USES: THERMOSET FLUORESCENT PIGMENT FOR USE IN INKS, PAINTS AND COATINGS

EMERGENCY TELEPHONE NO.:
USA – CHEMTREC: 1-800-424-9300
OUTSIDE USA: +1 703-527-3887

SECTION 2 – HAZARD IDENTIFICATION

GHS HAZARD CLASSIFICATION:
NOT CLASSIFIED

GHS LABEL ELEMENTS:
SIGNAL WORD: NO SIGNAL WORD
LABEL CODES / PICTOGRAMS: NO PICTOGRAMS
HAZARD STATEMENTS: NONE UNDER GHS CLASSIFICATION

PRECAUTIONARY STATEMENTS :

PREVENTION : NONE ASSIGNED UNDER GHS
RESPONSE : NONE ASSIGNED UNDER GHS
STORAGE : NONE ASSIGNED UNDER GHS
DISPOSAL : NONE ASSIGNED UNDER GHS

OTHER HAZARDS / U.S. - HAZARDS NOT OTHERWISE CLASSIFIED / UN GHS - OTHER HAZARDS WHICH DO NOT RESULT IN CLASSIFICATION:

THE RESIN IN THIS PRODUCT SERIES CONTAINS LESS THAN 0.1% RESIDUAL / FREE FORMALDEHYDE. HEAT / FIRE CONDITIONS MAY CAUSE THE RELEASE OF FORMALDEHYDE GAS IN EXCESS OF THE OSHA ACTION LEVEL OF 0.5 PPM, PEL OF 0.75 PPM TWA, AND 15 MINUTES STEL OF 2 PPM TWA. FORMALDEHYDE IS "CARCINOGENIC TO HUMANS" ACCORDING TO IARC AND AN IRRITANT.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL COMPOSITION:	COMPONENTS:	CAS NO.	%
	ALL COLORS: COLORED BENZOGUANAMINE-FORMALDEHYDE RESIN	PRIMARY# 26160-89-4	89-100
	FB-403, FB-507, FB-707 CONTAIN C.I. BASIC RED 1 (THIS DYE IS REPORTABLE UNDER SARA TITLE III, SECTION 313 RULES AT $\geq 1.0\%$ CONCENTRATION)	989-38-8	1-1.5
	FB-707 CONTAINS C.I. BASIC VIOLET 10	81-88-9	5-10
	OTHER VARIOUS DYES / PIGMENTS - NOT CLASSIFIED		0.1-10

SYNONYMS: THERMOSET DAYLIGHT FLUORESCENT PIGMENTS

CHEMICAL FAMILY: ORGANIC SPECIALTY PIGMENTS / NO COLOUR INDEX NUMBERS ASSIGNED

SECTION 4 – FIRST AID MEASURES

FIRST AID/ RESPONSE	FIRST AID RESPONDERS SHOULD WEAR PERSONAL PROTECTIVE EQUIPMENT
SKIN :	IF ON SKIN: PROMPTLY WASH OFF WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ADVICE/ATTENTION IF IRRITATION OCCURS. WASH CONTAMINATED CLOTHING BEFORE REUSE.
EYES :	IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. GET MEDICAL ADVICE/ATTENTION IF IRRITATION OCCURS.
INHALATION :	IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. GET MEDICAL ADVISE / ATTENTION IF ANY ADVERSE SYMPTOMS OCCUR.
INGESTION :	IF SWALLOWED: RINSE MOUTH WITH WATER, THEN DRINK WATER TO DILUTE. INDUCE VOMITING ONLY UNDER THE DIRECTION OF MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH IF THE VICTIM IS UNCONSCIOUS. GET MEDICAL ATTENTION IF LARGE QUANTITY IS INGESTED OR IF YOU FEEL UNWELL.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

INHALATION OF DUST OR PROCESSING FUMES MAY CAUSE RESPIRATORY IRRITATION, MUCOUS SECRETION OR INFLAMMATION. DUST CONTACT WITH SKIN OR EYES MAY CAUSE SLIGHT IRRITATION. IN SOME INDIVIDUALS PRONE TO SENSITIVITIES, PROLONGED OR REPEATED OVEREXPOSURE MAY CAUSE DERMATITIS OR RESPIRATORY SENSITIZATION.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY

CALL A POISON CENTER/DOCTOR/PHYSICIAN IF YOU FEEL UNWELL.

SECTION 5 – FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA : WATER : (X-AS SPRAY/FOG) FOAM : (X) CO₂: (X) DRY CHEMICAL: (X)
DO NOT USE HIGH PRESSURE WATER JET.

SPECIFIC HAZARDS IN CASE OF FIRE : HEAT/ FIRE CONDITIONS WILL EMIT HIGHLY TOXIC, IRRITATING AND CARCINOGENIC GASES / FUMES UPON BURNING. TREAT AS A FLAMMABLE DUST IN THE FINELY DIVIDED AND SUSPENDED STATE. DUST CLOUD FORMATION FROM PIGMENT POWDER MAY CREATE A DUST CLOUD EXPLOSION HAZARD.

SPECIAL PROTECTIVE EQUIPMENT & PRECAUTION FOR FIRE FIGHTERS : IN CASE OF FIRE INVOLVING THIS MATERIAL, DO NOT ENTER THE FIRE AREA WITHOUT PROPER PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: WEAR FULL PROTECTIVE EQUIPMENT (SEE SECTION 8). KEEP UNPROTECTED PERSONNEL OUT OF THE AREA. KEEP AWAY FROM HIGH HEAT AND ALL SOURCES OF IGNITION. CONTROL PIGMENT POWDER DUST CLOUD FORMATION TO PREVENT POSSIBLE DUST/AIR EXPLOSION HAZARD.

ENVIRONMENTAL PRECAUTIONS: AVOID RELEASE TO SEWERS AND THE ENVIRONMENT. DISPOSE OF PROPERLY VIA LICENSED CHEMICAL WASTEHAULER.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEAN UP: VACUUM OR SCOOP INTO A PROPERLY LABELED CONTAINER AND SEAL. AVOID GENERATING DUST.

SECTION 7 – HANDLING & STORAGE

PRECAUTIONS FOR SAFE HANDLING: AVOID BREATHING DUST AND CONTACT WITH SKIN & EYES. WEAR FULL PROTECTIVE EQUIPMENT (SEE SECTION 8). USE WITH ADEQUATE VENTILATION. AVOID SCATTERING INTO THE AIR. AVOID RELEASE TO THE SEWER SYSTEM. EMPLOY GOOD HOUSEKEEPING TECHNIQUES TO CONTROL DUST BUILD-UP ON EQUIPMENT AND WORK AREA. AVOID DUSTING IN AREAS OF FLAME, SPARKS, & STATIC BUILDUP. PROPERLY GROUND PROCESSING / HANDLING EQUIPMENT. WASH THOROUGHLY AFTER HANDLING.

CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES: STORE IN A SEALED CONTAINER IN A COOL, DRY AREA.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS:

EXPOSURE LIMITS: U.S. OSHA PEL : 0.5PPM ACTION LEVEL; 0.75 PPM TWA PEL; 0.2 PPM STEL FOR FORMALDEHYDE (AS FREE FORMALDEHYDE)

U.S. ACGIH TLV : 0.3 PPM TWA CEILING LIMIT FOR FORMALDEHYDE (AS FREE FORMALDEHYDE)
IF PROCESSING CONDITIONS HAVE THE POTENTIAL TO OFF-GAS FORMALDEHYDE, FOLLOW THE OSHA FORMALDEHYDE STANDARD AT 40CFR1910.1048

APPROPRIATE ENGINEERING CONTROLS : USE LOCAL / MECHANICAL EXHAUST TO MAINTAIN AIR CONCENTRATIONS BELOW OCCUPATIONAL EXPOSURE STANDARDS (SEE ABOVE)

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION : USE NIOSH APPROVED RESPIRATOR SUITABLE TO MEET PERMISSIBLE EXPOSURE LIMIT. SEE U.S. OSHA RESPIRATORY STANDARD (20 CFR 1910.134).

HAND PROTECTION : USE CHEMICAL RESISTANT GLOVES (RUBBER, PVC)

EYE PROTECTION : SAFETY GOGGLES OR GLASSES WITH SIDE SHIELDS OR FULL FACE SHIELD; ACCESS TO AN EYEWASH FOUNTAIN

OTHER PROTECTIVE EQUIPMENT : LABCOAT; COVERALLS TO PROTECT SKIN; ACCESS TO A SAFETY DRENCH SHOWER

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE :	BRIGHT COLORED POWDER	FLAMMABLE LIMITS :	LEL:& UEL: (N/A)
ODOR :	SLIGHT ALDEHYDE ODOR	VAPOR PRESSURE (mm Hg) :	N/A
ODOR THRESHOLD :	N/A	VAPOR DENSITY (AIR=1) :	N/A
pH (10% IN WATER) :	4-6	RELATIVE DENSITY/SPECIFIC GRAVITY :	1.3
MELTING POINT / FREEZING POINT (°C) :	DECOMPOSES AT 150 (302°F)	SOLUBILITY IN WATER (@20°C) :	INSOLUBLE
BOILING POINT (°C) :	N/A	PARTITION COEFFICIENT(n-OCTANOL/WATER) :	NO DATA AVAILABLE
FLASH POINT (°F) :	N/A	AUTO IGNITION TEMP. (°C) :	N/A
EVAPORATION RATE :	N/A	DECOMPOSITION TEMP. :	150 (302°F)
FLAMMABILITY :	NO DATA AVAILABLE	VISCOSITY :	N/A

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY : STABLE WHEN STORED IN SEALED PACKAGE UNDER RECOMMENDED STORAGE CONDITIONS

POSSIBILITY OF HAZARDOUS REACTIONS : HAZARDOUS POLYMERIZATION WILL NOT OCCUR

CONDITIONS TO AVOID : CONTACT WITH INCOMPATIBLES; HIGH HEAT (>150°C or 300°F); DUST IN VICINITY OF IGNITION SOURCES, ELECTRICAL OR SPARK GENERATING EQUIPMENT

INCOMPATIBLE MATERIALS : STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION PRODUCTS : TOXIC FUMES, SMOKE, OXIDES OF CARBON / NITROGEN / SULFUR AND FORMALDEHYDE [IRRITATING & CARCINOGENIC]

SECTION 11 – TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS:

ROUTES OF EXPOSURE : SKIN, EYES, INHALATION, INGESTION
SKIN, EYES, INHALATION : INHALATION OF DUST OR PROCESSING FUMES MAY CAUSE RESPIRATORY IRRITATION, MUCOUS SECRETION, INFLAMMATION. DUST CONTACT WITH SKIN OR EYES MAY CAUSE SLIGHT IRRITATION. .
INGESTION : THIS ROUTE OF EXPOSURE IS NOT LIKELY. NO KNOWN EFFECTS.
CHRONIC : IN SOME INDIVIDUALS PRONE TO SENSITIVITIES, PROLONGED OR REPEATED OVEREXPOSURE MAY CAUSE DERMATITIS OR RESPIRATORY SENSITIZATION
ACUTE TOXICITY : EXPECTED TO BE ORAL(RAT) LD₅₀:>2000mg/kg; DERMAL(RAT) LD₅₀:>2000mg/kg - BASED ON TESTING OF SIMILAR PRODUCTS
SKIN CORROSION / IRRITATION : NO TEST DATA AVAILABLE
SERIOUS EYE DAMAGE / IRRITATION : NO TEST DATA AVAILABLE
RESPIRATORY OR SKIN SENSITIZATION : NO TEST DATA AVAILABLE
GERM CELL MUTAGENICITY : NO TEST DATA AVAILABLE
CARCINOGENICITY : U.S. LISTED CARCINOGEN: NONE () OSHA (*) NTP (*) IARC (*) OTHER (*)
**IF FORMALDEHYDE IS OFF-GASSED:* FORMALDEHYDE, CAS#50-00-0 IS LISTED AS OSHA-CA: CARCINOGEN DEFINED WITH NO FURTHER CATEGORIZATION
 NTP-K: KNOWN TO BE A HUMAN CARCINOGEN; IARC-1: CARCINOGENIC TO HUMANS
 C.I. BASIC RED 1 (RHODAMINE 6G BASED), CAS# 989-38-8 AND C.I. BASIC VIOLET 10 (RHODAMINE B BASED) CAS#81-88-9: IACR-3: UNCLASSIFIABLE AS TO CARCINOGENICITY IN HUMANS (SEE SECTION 3 FOR COLORS CONTAINING THESE TWO DYES)
REPRODUCTIVE TOXICITY : NO TEST DATA AVAILABLE
SPECIFIC TARGET ORGAN TOXICITY : NONE KNOWN
ASPIRATION HAZARD : NO DATA AVAILABLE
INTERACTIVE EFFECTS: MAY AGGRAVATE COLDS, RESPIRATORY ALLERGIES, SKIN DISORDERS

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY : AVOID RELEASE TO THE ENVIRONMENT AS THIS PRODUCT SERIES HAS NOT BEEN TESTED
TOXICITY - AQUATIC : NO TEST DATA AVAILABLE
TOXICITY TO DAPHNIA : NO TEST DATA AVAILABLE
TOXICITY - TERRESTIAL : NO TEST DATA AVAILABLE
PERSISTANCE & DEGRADABILITY: NO TEST DATA AVAILABLE
BIOACCUMULATIVE POTENTIAL : NO TEST DATA AVAILABLE
MOBILITY IN SOIL : NO TEST DATA AVAILABLE
OTHER ADVERSE EFFECTS : NO DATA AVAILABLE

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:

DISPOSE OF CONTENTS / CONTAINER IN ACCORDANCE WITH LOCAL, REGIONAL, NATIONAL, INTERNATIONAL REGULATIONS.
 DISPOSE OF IN SEALED CONTAINERS, USING A LICENSED CHEMICAL WASTE HAULER.

SECTION 14 – TRANSPORT INFORMATION

BY ROAD OR RAIL - U.S. D.O.T. REGULATED: YES () NO (X) **RQ:** (N/A)
 IF REGULATED, UN PROPER SHIPPING NAME: HAZARD CLASS: ()
 UN IDENTIFICATION NO.: () PACKING GROUP: () LABEL REQUIRED: ()
 U.S. MARINE POLLUTANT: YES () NO (X) SEVERE U.S. MARINE POLLUTANT: YES () NO (X)
 EMERGENCY RESPONSE GUIDE NO.: ()
 INLAND B/L:
BY SEA - IMDG REGULATED: YES () NO (X) STOWAGE CATEGORY: N/A
BY AIR - IATA REGULATED: YES () NO (X) PKG INSTRUCTION NO.: N/A
SPECIAL PRECAUTIONS: READ SDS BEFORE HANDLING

SECTION 15 – REGULATORY INFORMATION

U.S. TSCA: WE CERTIFY THAT ALL COMPONENTS OF THIS PRODUCT ARE REGISTERED UNDER THE REGULATIONS OF THE TOXIC SUBSTANCES CONTROL ACT.

U.S. SARA TITLE III, SECT. 313 : LISTED (*) NOT LISTED () *ONLY FB-403, FB-507, FB-707 ARE LISTED FOR C.I. BASIC RED 1, CAS# 989-38-8, AT 1-1.5% (SEE SECTION 3)
U.S. RCRA HAZARDOUS WASTE : NO (X) YES () **RCRA # :** ()
U.S. CERCLA : NO (X) YES () **RQ (**)**
U.S. CALIFORNIA PROPOSITION 65 LISTED : YES (X*) NO () *THIS PRODUCT SERIES CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER: FORMALDEHYDE, CAS# 50-00-0, AT LESS THAN 0.1%.
HMIS: HEALTH (1) FLAMMABILITY (1) REACTIVITY (0)

SECTION 16 – OTHER INFORMATION

REVISION DATE: APRIL 27, 2015

PREPARED BY: EHS COORDINATOR / UNITED MINERAL & CHEMICAL CORP.

ABBREVIATIONS / ACRONYMS:

N/A=NOT APPLICABLE; **LEL**=LOWER EXPLOSION LIMIT; **UEL**=UPPER EXPLOSION LIMIT;
PEL=PERMISSIBLE EXPOSURE LIMIT; **STEL**=SHORT TERM EXPOSURE LIMIT; **TLV**=THRESHOLD
LIMIT VALUE; **TWA**=TIME WEIGHTED AVERAGE OVER 8 HOUR WORKDAY; **LD₅₀** OR **LC₅₀**=LETHAL
DOSE OR LETHAL CONCENTRATION THAT KILLS 50% OF DOSED GROUP; **mg**=MILLIGRAM; **g**=GRAM;
kg=KILOGRAM; **PPM**=PARTS PER MILLION; **m**=METER; **LOEL**=LOWEST OBSERVED ADVERSE
EFFECT LEVEL; **C.I.**=COLOUR INDEX

IN ACCORDANCE WITH GOOD PRACTICES OF PERSONAL HYGIENE, HANDLE WITH DUE CARE AND AVOID ANY UNNECESSARY CONTACT WITH THIS PRODUCT. USE RECOMMENDED PERSONAL PROTECTION WHEN HANDLING (SEE SECTION 8).

THIS INFORMATION IS BEING SUPPLIED TO YOU UNDER OSHA "RIGHT TO KNOW" REGULATION 29 CFR 1910.1200 AND IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS PRODUCT SPECIFICATION. THE INFORMATION IS BELIEVED TO BE TRUE AND ACCURATE. NO WARRANTY, EXPRESSED OR IMPLIED, REGARDING THE ACCURACY OF THIS DATA, THE HAZARD CONNECTED WITH USE OF THE MATERIAL, OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF, IS MADE. UNITED MINERAL & CHEMICAL CORPORATION AND ITS SUPPLIERS ASSUME NO RESPONSIBILITY FOR DAMAGE OR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.

UNITED MINERAL & CHEMICAL CORPORATION
