



EFFECTIVE DATE            SUPERSEDES  
03-26-01                    03-22-01

SECTION 1 CHEMICAL IDENTIFICATION

C.I. NAME                : BASIC VIOLET 10  
C.I. NUMBER              : 45170  
CAS NUMBER               : 81-88-9  
CHEMICAL FAMILY         : XANTHENE DYE  
PHYSICAL FORM           : POWDER

SECTION 2 INGREDIENTS HAZARDOUS UNDER OSHA 29 CFR PART 1910.1200 APPENDIX A & B

COMPONENT NAME	CAS NUMBER	PEL	TLV	%
C.I. BASIC VIOLET 10*	81-88-9	NE	NE	<25

\*READ & UNDERSTAND SECTIONS 3, 8 & 11 FOR HEALTH & SAFETY INFORMATION. WEAR ALL PROTECTIVE EQUIPMENT AND CLOTHING DESCRIBED IN SECTION 8.

SECTION 3 HAZARD IDENTIFICATION AND EMERGENCY OVERVIEW

HMS RATINGS

HEALTH            \* 2  
FLAMMABILITY    1  
REACTIVITY       0  
PROTECTION       F, N

\* DENOTES DELAYED/CHRONIC HEALTH HAZARD

EMERGENCY OVERVIEW: CAN STRONGLY IRRITATE EYES. PROLONGED OR REPEATED CONTACT CAN CAUSE MODERATE TO STRONG SKIN IRRITATION. CAN CAUSE RESPIRATORY IRRITATION. CAN SEVERELY IRRITATE IF SWALLOWED.

POSSIBLE EXPOSURES: EYES, SKIN, BREATHING DUSTS, ACCIDENTAL SWALLOWING

POSSIBLE HEALTH EFFECTS:

EYE CONTACT: CAN STRONGLY IRRITATE. 1  
SKIN CONTACT: NOT EXPECTED TO IRRITATE. HOWEVER, PROLONGED OR REPEATED CONTACT WITH PRODUCT DUSTS CAN CAUSE MODERATE TO STRONG SKIN IRRITATION. 1  
BREATHING DUST: CAN IRRITATE THE NOSE, THROAT, AND LUNGS. 1  
SWALLOWING: CAN SEVERELY IRRITATE THE STOMACH. 1

NOTE: THIS SOLID PRODUCES ACIDIC SOLUTIONS. AS A PROPERTY, PRODUCT EXPECTED TO BE CORROSIVE WHEN IN CONTACT WITH WATER. 1

SENSITIZATION: NK

TARGET ORGANS: EYES, LUNGS, SKIN, NOSE, THROAT, STOMACH 1

CANCER INFORMATION:

C.I. BASIC VIOLET 10 WAS CARCINOGENIC TO RATS AND MICE IN A LIFETIME FEEDING STUDY.

NTP: NK

IARC: ANIMAL CARCINOGEN

OSHA: SEE ABOVE

1 PRECAUTIONS:

TO HELP PROTECT AGAINST YOURSELF FROM EITHER EXPECTED, OR UNFORSEEN IRRITATION OR ALLERGIC REACTIONS, WEAR ALL PROPERLY SELECTED PROTECTIVE EQUIPMENT AND CLOTHING AS INSTRUCTED IN SECTION 8 OF THIS MSDS. WASH HANDS AND FACE AFTER HANDLING AND BEFORE EATING, DRINKING, SMOKING OR USING RESTROOM FACILITIES. AFTER EACH SHIFT, CLEAN ALL PROTECTIVE EQUIPMENT, WASH ALL WORK CLOTHES, AND SHOWER. SEE SECTION 11, TOXICOLOGY INFORMATION.

UNUSUAL HAZARDS: IF MIXED WITH AIR IN SUFFICIENT AMOUNTS & PROPORTIONS, ORGANIC DUSTS CAN FORM FLAMMABLE OR EXPLOSIVE DUST/AIR MIXTURES. AS PRECAUTIONS, KEEP AREAS CLEAN AND AVOID DUST BUILD-UP. HAVE PLENTY OF GOOD VENTILATION. AVOID CREATING VERY DUSTY CONDITIONS. WHEN MIXING, POURING OR PROCESSING BULK AMOUNTS OF POWDERS, GROUND ALL CONTAINERS AND AVOID STATIC CHARGES, SPARKS, SMOKING, OPEN FLAMES, OR OTHER POSSIBLE CAUSES OF FIRE OR EXPLOSION.

#### SECTION 4 FIRST AID INSTRUCTIONS

EYE CONTACT: IMMEDIATELY RINSE WITH PLENTY OF CLEAN FLOWING WATER FOR AT LEAST 20 MINUTES, HOLDING EYELIDS OPEN TO RINSE COMPLETELY. CALL A DOCTOR, AND GET EMERGENCY MEDICAL HELP QUICKLY, AS A PRECAUTION.

SKIN CONTACT: REMOVE AFFECTED CLOTHING. WASH AFFECTED SKIN AREA WITH PLENTY OF SOAP AND WATER. RINSE WITH PLENTY OF WATER. WASH ALL WORK CLOTHES BEFORE WEARING AGAIN. IF ANY REDNESS, SWELLING, ITCHING, OR PAIN OF THE SKIN STARTS, SEE A DOCTOR QUICKLY.

BREATHING PRODUCT DUST: MOVE PERSON TO FRESH AIR. IF PERSON IS HAVING DIFFICULTY BREATHING, GIVE OXYGEN. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. GET EMERGENCY MEDICAL HELP QUICKLY. CALL 911 IF AVAILABLE IN YOUR AREA, OR OTHER MEDICAL EMERGENCY NUMBER.

SWALLOWING OF PRODUCT: IF SWALLOWED, DILUTE WITH WATER. CALL A DOCTOR AND GET EMERGENCY MEDICAL HELP QUICKLY. \*\*\*DO NOT INDUCE VOMITING\*\*\*

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#### SECTION 5 FIRE FIGHTING INSTRUCTIONS

FLASH POINT : NA  
TYPES OF EXTINGUISHERS : WATER, DRY CHEMICAL, FOAM, CO2  
FIREFIGHTING DIRECTIONS: WEAR SELF-CONTAINED BREATHING APPARATUS TO PROTECT AGAINST POSSIBLY TOXIC FUMES. WEAR FULL FIRE-PROTECTIVE CLOTHING. AVOID DUSTING CONDITIONS. DUST MAY FORM EXPLOSIVE MIXTURE WITH AIR.

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#### SECTION 6 ACCIDENTAL SPILL OR RELEASES

WEAR A NIOSH APPROVED DUST RESPIRATOR, WITH ALL PROTECTIVE CLOTHING AND EQUIPMENT AS DIRECTED IN THE PERSONAL PROTECTION SECTION OF THIS MSDS.

CONTAIN AND CLEAN UP SPILL IMMEDIATELY. SWEEP POWDERS CAREFULLY, USING AN ABSORBENT (SWEEPING COMPOUND) TO KEEP DOWN THE DUST IN THE AREA. SCOOP MATERIAL & ABSORBENT INTO DISPOSAL DRUM, AND SEAL.

RCRA STATUS: SEE REGULATORY INFORMATION, SECTION 15.

ENVIRONMENTAL PROTECTION: PREVENT FROM ENTERING FLOOR DRAINS OR SEWERS. DO NOT RELEASE TO SEWER WITHOUT PROPER GOVERNMENT PERMISSION AT ALL LEVELS.

SEE SECTION 13, DISPOSAL CONSIDERATIONS/ENVIRONMENTAL PROTECTION PROCEDURES FOR ANY ADDITIONAL INFORMATION.

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#### SECTION 7 HANDLING AND STORAGE

PROTECT PRODUCT FROM MOISTURE, STORE IN COOL, DRY PLACE UNDER LOW RELATIVE HUMIDITY, AWAY FROM EXCESSIVE HEAT. STORE IN ORIGINAL OR EQUIVALENT WATER-PROOF CONTAINERS. RESEAL CONTAINERS TIGHTLY AFTER EACH USE. KEEP OUT OF DIRECT SUNLIGHT. AVOID EXCESSIVE DUSTING, OPEN FLAMES, OPEN LIGHTS OR WELDING IN AREA OF DRY PRODUCT IF BAG DUMPING.

SHELF LIFE: INDEFINITE WHEN STORED CAREFULLY AS INSTRUCTED ABOVE.

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#### SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

NOTE: WHEN SELECTING PERSONAL PROTECTIVE EQUIPMENT AND CLOTHING, FOLLOW ALL MANUFACTURER SPECIFICATIONS AND RECOMMENDATIONS THAT APPLY TO YOUR SPECIFIC OPERATIONS AND PROCESSING CONDITIONS. TAKE INTO CONSIDERATION ALL CONDITIONS AND ALL CHEMICALS TO BE HANDLED OR PROCESSED

EYE PROTECTION: WEAR SPLASH-PROOF CHEMICAL SAFETY GOGGLES. CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING WITH CHEMICALS.

SKIN PROTECTION: WEAR CHEMICALLY RESISTANT RUBBER GLOVES, SELECTED WITH YOUR SPECIFIC PROCESSING CONDITIONS AND CHEMICALS TO BE HANDLED IN MIND. WEAR COVERALLS AND BOOTS TO MINIMIZE SKIN CONTACT. AS PRECAUTIONS, WASH HANDS & FACE WITH MILD SOAP & WATER BEFORE EATING, DRINKING, SMOKING, OR USING RESTROOM. AFTER EACH SHIFT, CLEAN ALL PROTECTIVE EQUIPMENT, WASH WORK CLOTHES, AND SHOWER.

LUNG, THROAT & NASAL PROTECTION: WEAR NIOSH APPROVED DUST RESPIRATOR FOR YOUR PARTICULAR OPERATION AND MATERIALS BEING HANDLED.

OTHER PROTECTION: EYE WASH FOUNTAINS & DRENCH SHOWERS SHOULD BE LOCATED WITHIN 100 FEET OR A 10 SECOND WALK OF THE WORK AREA PER ANSI Z358.1-1990

VENTILATION: LOCAL EXHAUST IS RECOMMENDED.

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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

DESCRIPTION : LIGHT GREEN POWDERY CRYSTALS; BLAND ODOR  
MELTING POINT : NE  
WATER SOLUBILITY : SOLUBLE  
PH : NE  
BULK DENSITY : NE  
% TOTAL VOC'S : 0  
% NON-VOLATILES : 100  
% WATER : 0

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SECTION 10 STABILITY AND REACTIVITY

STABILITY : STABLE  
CONDITIONS TO AVOID : EXCESSIVE DUSTING  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR  
INCOMPATIBLE MATERIALS : NK  
HAZARDOUS DECOMPOSITION PRODUCTS: BURNING CAN PRODUCE CARBON DIOXIDE,  
CARBON MONOXIDE, AND OXIDES OF NITROGEN.

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SECTION 11 TOXICOLOGY INFORMATION

ORAL LD50 (RAT): APPROX. 500 MG/KG  
DERMAL LD50 (RAT): NE  
INHALATION LC50 (RAT): NE

EYE EFFECTS (RABBIT): SEVERE IRRITANT 1  
SKIN EFFECTS (RABBIT): NON-IRRITANT 1  
BREATHING EFFECTS: CAN IRRITATE THE NOSE, THROAT AND LUNGS 1

1) AS PRECAUTIONS TO HELP MINIMIZE CONTACT, WEAR ALL PROTECTIVE EQUIPMENT &  
CLOTHING AS INSTRUCTED IN SECTION 8 OF THIS MSDS. READ SECTION 8.

GENERAL PRECAUTIONS: ALWAYS PRACTICE GOOD INDUSTRIAL HYGIENE, HANDLE WITH  
CARE, AVOID PERSONAL CONTACT. DO NOT GET INTO EYES OR ON SKIN, DO NOT  
BREATHE DUST OF PRODUCT, DO NOT SWALLOW. WASH HANDS WITH SOAP AND WATER,  
AND RINSE WELL AFTER HANDLING PRODUCT. SHOWER AFTER EACH SHIFT. WASH  
ALL WORK CLOTHING AND COMPLETELY CLEAN ALL PROTECTIVE EQUIPMENT AFTER  
EACH SHIFT. SEE SECTION 8 AND SECTION 11.

MUTAGENICITY: NK

ADDITIONAL INFORMATION: CHECK SECTION 3, HAZARD IDENTIFICATION AND EMERGENCY  
OVERVIEW.

MEDICAL CONDITIONS WORSENER BY EXPOSURE: PERSONS WITH BREATHING AND LUNG  
PROBLEMS CAN BE AFFECTED BY BREATHING IN ANY TYPE OF DUSTY MATERIAL.  
PERSONS WITH ASTHMA, ALLERGIES, OR OTHER BREATHING-RELATED PROBLEMS SHOULD  
STAY AWAY FROM, NOT HANDLE, AND NOT BE EXPOSED TO ANY DUSTY PRODUCTS OR  
DUSTY CONDITIONS AS A PRECAUTIONARY MEASURE.

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SECTION 12 ECOLOGICAL DATA

BOD 5: NE  
COD: NE  
FISH TOXICITY: NE  
SEED TOXICITY: NE  
CWA TOXIC POLLUTANTS: NK  
BIOLOGICAL ELIMINATION: NE

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SECTION 13 DISPOSAL CONSIDERATIONS/ENVIRONMENTAL PROTECTION PROCEDURES

DISPOSAL METHODS:

IT IS RECOMMENDED THAT YOU SELECT AN ALTERNATIVE BELOW ACCORDING TO  
THE FOLLOWING ORDER OF PREFERENCE, DEPENDING ON ENVIRONMENTAL IMPACT:

- 1) RECYCLE OR REWORK MATERIAL IF AT ALL POSSIBLE
- 2) INCINERATE MATERIAL AT AN APPROVED FACILITY
- 3) TREAT AT AN ACCEPTABLE WASTE TREATMENT FACILITY, OR MUNICIPAL WASTE  
TREATMENT PLANT AFTER PROPER TESTING & APPROVAL OF WASTE SAMPLES.

IF DISPOSED OF IN IT'S ORIGINAL UNUSED FORM, THIS MATERIAL SHOULD BE  
TREATED, AND DISPOSED OF AT AN APPROVED SITE OR FACILITY, IN COMPLIANCE  
WITH ALL APPLICABLE FEDERAL, STATE & LOCAL ENVIRONMENTAL REGULATIONS. YOU  
MUST CONTACT THE PROPER GOVERNMENT AGENCIES FOR ADDITIONAL DIRECTIONS.

ALL WASTE MATERIAL & WASTE WATER SHOULD BE DISPOSED OF CORRECTLY, UNDER ALL FEDERAL, STATE, CITY & COUNTY LAWS.

RCRA STATUS: SEE SECTION 15, REGULATORY INFORMATION

DO NOT RELEASE DYE OR DYE SOLUTION INTO ANY WATERWAYS OR SEWER SYSTEMS WITHOUT PROPER GOVERNMENT PERMISSION AT ALL LEVELS.

CONTAINER REUSE: AN "EMPTY" CONTAINER CAN CONTAIN PRODUCT RESIDUE, AND SHOULD NOT BE REUSED. IF NOT PROFESSIONALLY CLEANED & RECONDITIONED, CRUSHING OR OTHER MEANS IS RECOMMENDED TO PREVENT UNAUTHORIZED REUSE.

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SECTION 14 TRANSPORT INFORMATION

DOT STATUS (HIGHWAY AND RAIL): NR\*

\*C.I. BASIC VIOLET 10 POWDER IS NOT DOT REGULATED AS SUCH. HOWEVER, PRODUCT SHOULD BE KEPT DRY AND AWAY FROM MOISTURE. CAN POSSIBLY BECOME CORROSIVE WHEN IN CONTACT WITH SUFFICIENT MOISTURE.

IATA STATUS (AIR): NR

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SECTION 15 REGULATORY INFORMATION

AICS (AUSTRALIA): COMPONENTS LISTED

CAL. PROP. 65: CONTAINS THE FOLLOWING CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR REPRODUCTIVE TOXICITY: LEAD, D&C RED NO. 19

CERCLA: NH

CLEAN AIR ACT:

TITLE III-HAP'S: NA

TITLE V-VOC'S: SEE SECTION 9

TITLE VI-ODC'S: NOT MANUFACTURED WITH NOR CONTAINING CLASS I OR II ODC'S

CONG-TYPICAL METALS PRESENT IN PPM:

CADMIUM 0

CHROMIUM 0 (TOTAL INCLUDING HEXAVALENT CR+6)

LEAD <10

MERCURY 0

DSL (CANADA): COMPONENTS LISTED

ECL (KOREA): SERIAL #5-1886

EINECS (EUROPE): #201-383-9

ENCS (JAPAN): #5-1973

FDA STATUS: NL

OTHER TYPICAL DATA IN PPM: NK

RCRA: NOT HAZARDOUS IN IT'S PURCHASED FORM. HOWEVER, UNDER RCRA, IT IS THE PRODUCT USER'S RESPONSIBILITY TO DETERMINE AT TIME OF DISPOSAL IF ANY MATERIAL CONTAINING THE PRODUCT OR DERIVED FROM THE PRODUCT IS A HAZARDOUS WASTE.

SARA 311/312: IMMEDIATE/ACUTE HEALTH HAZARD : YES  
DELAYED/CHRONIC HEALTH HAZARD : YES  
FIRE HAZARD : NO  
SUDDEN RELEASE OF PRESSURE HAZARD: NO  
REACTIVITY HAZARD : NO

SARA 313: C.I. BASIC VIOLET 10, CAS NO. 81-88-9, <25%

TSCA: COMPONENTS LISTED

USDA: NL

WHMIS: D-2-A; D-2-B

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SECTION 16 OTHER INFORMATION

REVISION DATE: 03-22-01

REASON FOR REVISION: UPDATE SECTION 3, UDDATE LD50 SECTION 11.

REVISION DATE: 03-26-01

REASON FOR REVISION: UPDATE SECTION 15, CAL PROP 65.

CODE KEY

NA = NOT APPLICABLE TO THIS MATERIAL

NC = NOT CERTAIN, UNDETERMINED

ND = NO DATA IS CURRENTLY AVAILABLE

NE = NOT ESTABLISHED, NO TESTING IS PLANNED

NH = NOT HAZARDOUS UNDER CITED REGULATIONS

NK = NONE KNOWN, NO INFORMATION FOUND IN DATA SEARCHS

NL = NOT LISTED OR APPROVED UNDER THESE REGULATIONS

NR = NOT REGULATED OR REPORTABLE

NIOSH = NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH

THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED UPON DATA

BELIEVED TO BE CORRECT. HOWEVER, NO GUARANTEE OR WARRANTY OF ANY KIND EXPRESSED OR IMPLIED, IS MADE WITH RESPECT TO THE INFORMATION CONTAINED HEREIN. THIS MATERIAL SAFETY DATA SHEET WAS PREPARED TO COMPLY WITH THE OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200, AND SUPERSEDES ANY PREVIOUS INFORMATION. PREVIOUSLY DATED SHEETS ARE INVALID & UNAPPLICABLE.