

EFFECTIVE DATE SUPERSEDES
02-06-02 04-20-00

SECTION 1 CHEMICAL IDENTIFICATION

C.I. NAME : BASIC VIOLET 1
C.I. NUMBER : 42535
CAS NUMBER : 8004-87-3
CHEMICAL FAMILY: TRIPHENYLMETHANE DYE
PHYSICAL FORM : POWDER

SECTION 2 COMPOSITION INFORMATION ON HAZARDOUS INGREDIENTS

COMPONENT NAME	CAS NUMBER	PEL	TLV	%
BASIC VIOLET 1*	8004-87-3	NE	NE	>1
MICHLER'S KETONE*	90-94-8	NE	NE	0.67

*READ SECTIONS 3 AND 11 FOR ANY ADDITIONAL HEALTH & SAFETY INFORMATION

SECTION 3 HAZARD IDENTIFICATION AND EMERGENCY OVERVIEW

HMS RATINGS

HEALTH 2
FLAMMABILITY 1
REACTIVITY 1
PROTECTION F

EMERGENCY OVERVIEW:

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

POSSIBLE HEALTH EFFECTS:

EYE CONTACT: CAN IRRITATE 1
SKIN CONTACT: CAN IRRITATE 1
BREATHING DUST: NE 1
SWALLOWING: NE 1

SENSITIZATION: NK

TARGET ORGANS: EYES, SKIN 1

CANCER INFORMATION:

CONTAINS MICHLER'S KETONE (0.67%) WHICH IS LISTED AS A CARCINOGEN BY NTP.
NTP: GROUP 2 - ANIMAL CARCINOGEN
IARC: NK
OSHA: SEE ABOVE

1 PRECAUTIONS:

TO HELP PROTECT YOURSELF FROM EITHER EXPECTED OR UNFORSEEN IRRITATION OR ALLERGIC REACTIONS, WORKERS SHOULD 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 MEASURES

EYE CONTACT: IMMEDIATELY RINSE WITH PLENTY OF CLEAN FLOWING WATER FOR 15 TO 20 MINUTES, HOLDING EYELIDS OPEN TO RINSE COMPLETELY. CALL A DOCTOR, AND GET MEDICAL ATTENTION IMMEDIATELY, 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 IMMEDIATELY.

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 IMMEDIATELY. CALL 911 IF AVAILABLE IN YOUR AREA, OR OTHER MEDICAL EMERGENCY NUMBER.

SWALLOWING OF PRODUCT: IF SWALLOWED, CALL A DOCTOR AND GET MEDICAL HELP IMMEDIATELY.

SECTION 5 FIRE FIGHTING MEASURES

FLASH POINT : NA
TYPES OF EXTINGUISHERS : WATER SPRAY, FOAM, CO2
FIREFIGHTING DIRECTIONS: WEAR SELF-CONTAINED BREATHING APPARATUS TO PROTECT AGAINST POSSIBLY TOXIC FUMES. WEAR FULL FIRE-PROTECTIVE CLOTHING.

SECTION 6 ACCIDENTAL SPILL OR RELEASE MEASURES

INSTRUCTIONS FOR SPILLS AND RELEASES:

WEAR A NIOSH APPROVED DUST RESPIRATOR, WITH ALL PROTECTIVE CLOTHING AND EQUIPMENT AS DIRECTED IN SECTION 8.

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 ALL PROPER GOVERNMENT AUTHORITIES PERMISSION.

CHECK SECTION 13, "DISPOSAL CONSIDERATIONS/ENVIRONMENTAL PROTECTION PROCEDURES" FOR ANY ADITIONAL INFORMATION.

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 SIMILAR WATER-PROOF CONTAINERS. RESEAL CONTAINERS TIGHTLY AFTER EACH USE. PROTECT FROM MOISTURE, HEAT AND ELECTRICITY.

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 FOR YOUR SPECIFIC PROCESSING CONDITIONS. WEAR AN APRON AND LONG SLEEVED CLOTHING. 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.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

DESCRIPTION : VIOLET SOLID; NO ODOR
MELTING POINT : NE
WATER SOLUBILITY : 7.5 G/L (20 C)
PH : 2.0 (@ 7.5 G/L IN WATER)
BULK DENSITY : NE

SECTION 10 STABILITY AND REACTIVITY

STABILITY : STABLE
CONDITIONS TO AVOID : MOISTURE, HEAT AND ELECTRICITY
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
INCOMPATIBLE MATERIALS : NK
HAZARDOUS DECOMPOSITION PRODUCTS: NK

SECTION 11 TOXICOLOGY INFORMATION

FOR C.I. BASIC VIOLET 1:
ORAL LD50 (RAT): 500-1000 MG/KG
DERMAL LD50 (RAT): NE
INHALATION LC50 (RAT): NE

EYE EFFECTS (RABBIT): IRRITANT 1
SKIN EFFECTS (RABBIT): IRRITANT 1
BREATHING EFFECTS: NE

CHECK SECTION 3 FOR ANY OTHER OBSERVATIONS, EXPECTATIONS OR COMMENTS.

1) AS PRECAUTIONS TO HELP MINIMIZE CONTACT, WEAR ALL PROTECTIVE EQUIPMENT & CLOTHING AS INSTRUCTED IN THE EXPOSURE CONTROLS AND PERSONAL PROTECTION SECTION OF THIS MSDS. SEE SECTION 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. READ SECTIONS 3 AND 8.

MUTAGENICITY: NK

ADDITIONAL INFORMATION: CHECK SECTION 3

MEDICAL CONDITIONS MADE WORSE 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.

SECTION 12 ECOLOGICAL DATA

BOD 5: 0 MG O2/G
COD: 1590 MG O2/G
FISH TOXICITY: LC50 - 10 MG/L (96 H)
SEED TOXICITY: NE
CWA TOXIC POLLUTANTS: NK
BIOLOGICAL ELIMINATION: 50-100%

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 ANY CHEMICALS, DYES OR DYE SOLUTIONS INTO ANY WATERWAYS OR SYSTEMS WITHOUT PROPER GOVERNMENT TESTING AND AUTHORIZATION.

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.

SECTION 14 TRANSPORT INFORMATION

DOT STATUS: NR

SECTION 15 REGULATORY INFORMATION

AICS: COMPONENTS LISTED

CAA: PRODUCT IS NOT MANUFACTURED WITH, NOR DOES IT CONTAIN CLASS I OR CLASS II OZONE DEPLETING CHEMICALS.

CAL. PROP. 65: CONTAINS THE FOLLOWING CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR REPRODUCTIVE TOXICITY: MICHLER'S KETONE, CAS NO. 90-94-8, @ 0.67%; LEAD @ 15 PPM; AND MERCURY @ <2 PPM.

CERCLA: NH

CONEG-TYPICAL METALS PRESENT IN PPM:

CADMIUM 0
CHROMIUM 0 (TOTAL)
LEAD 15
MERCURY <2

DSL: COMPONENTS LISTED

ECL: KE-07004

EINECS: NC

ENCS: 5-1969

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: CONTAINS MICHLER'S KETONE, CAS NO. 90-94-8, @ 0.67%

TSCA: COMPONENTS LISTED

USDA: NL

WHMIS: D-2-A

SECTION 16 OTHER INFORMATION

REASON FOR REVISION 04-20-00: REVISED SECTION 15 (INVENTORIES) (MVP)

REASON FOR 02-06-02 REVISION: DELETE WHMIS DATA-LKB

REASON FOR 02-21-02 REVISION: RE-ENTER WHMIS DATA-LKB

ACRONYM LIST

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
NL = NOT LISTED OR APPROVED UNDER THESE REGULATIONS
NR = NOT REGULATED OR REPORTABLE

NIOSH = NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH

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