

MATERIAL SAFETY DATA SHEET

RED DYE CAKES

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MSDS PREPARATION INFORMATION

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DATE PREPARED: 01/02/91

PRODUCT INFORMATION

MANUFACTURED BY: FORMULABS, INC.
1710 COMMERCE DRIVE
PIQUA, OHIO 45356
(513) 773-8933 BUSINESS
(800) 424-9300 CHEMTREC (24-HR EMERGENCY CONTACT)

CHEMICAL NAME . . . . . NOT APPLICABLE
CHEMICAL FORMULA . . . . . NOT AVAILABLE
CHEMICAL FAMILY . . . . . WATER SOLUBLE DYE CAKE

HAZARDOUS INGREDIENTS

Table with 4 columns: HAZARDOUS INGREDIENT, %, T.L.V., C.A.S. #. Rows include POLYETHYLENE GLYCOL and BASIC VIOLET 10.

This product contains Basic Violet 10 (CAS# 81-88-9) which is reportable according to SARA Title III.

Table with 3 columns: HAZARDOUS INGREDIENT, LD/50, SPECIES, LC/50, SPECIES. Rows include toxicity data for POLYETHYLENE GLYCOL and BASIC VIOLET 10.

PHYSICAL DATA

PHYSICAL STATE . . . . . SOLID RECTANGLE
ODOR AND APPEARANCE . . . . . RED, ODORLESS RECTANGLE

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SPECIFIC GRAVITY . . . . . NOT APPLICABLE  
VAPOR PRESSURE (mm Hg @ 25 deg. C) . . . NOT APPLICABLE  
VAPOR DENSITY (AIR = 1) . . . . . NOT APPLICABLE  
EVAPORATION RATE (Butyl Acetate = 1) . . NOT APPLICABLE  
BOILING POINT . . . . . NOT APPLICABLE  
FREEZING POINT . . . . . NOT APPLICABLE  
pH . . . . . NOT APPLICABLE  
SOLUBILITY IN WATER . . . . . APPRECIABLE

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FIRE OR EXPLOSION HAZARD

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CONDITION OF FLAMMABILITY . . . . . THIS PRODUCT IS NOT FLAMMABLE  
MEANS OF EXTINCTION . . . . . WATER SPRAY, ALCOHOL FOAM, DRY  
CHEMICAL  
FLASH POINT AND METHOD . . . . . 505 deg F, PMCC  
UPPER FLAMMABLE LIMIT . . . . . NOT APPLICABLE  
LOWER FLAMMABLE LIMIT . . . . . NOT APPLICABLE  
AUTO-IGNITION TEMPERATURE . . . . . NOT APPLICABLE  
HAZARDOUS COMBUSTION PRODUCTS . . . . . MAY LIBERATE CARBON MONOXIDE AND  
CARBON DIOXIDE  
UNUSUAL FIRE HAZARD . . . . . NOT APPLICABLE  
EXPLOSION DATA  
SENSITIVITY TO STATIC  
DISCHARGE . . . . . NOT APPLICABLE  
SENSITIVITY TO MECHANICAL  
IMPACT . . . . . NOT APPLICABLE

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REACTIVITY DATA

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PRODUCT STABILITY . . . . . STABLE  
PRODUCT INCOMPATIBILITY . . . . . ACIDS, OXIDIZING MATERIALS  
CONDITIONS OF REACTIVITY . . . . . NOT APPLICABLE  
HAZARDOUS DECOMPOSITION PRODUCTS . . . . . PRODUCT DEGRADES SLOWLY WHEN  
STORED AT ELEVATED  
TEMPERATURES IN THE PRESENCE  
OF AIR AND MAY LIBERATE  
CARBON MONOXIDE AND CARBON  
DIOXIDE.

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TOXICOLOGICAL PROPERTIES

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SYMPTOMS OF OVEREXPOSURE FOR EACH POTENTIAL ROUTE OF ENTRY:  
INHALATION, ACUTE . . . . . NO HARMFUL EFFECTS EXPECTED.  
INHALATION, CHRONIC . . . . . BASIC VIOLET 10 IS LISTED BY IARC AS A  
KNOWN OR SUSPECTED HUMAN CARCINOGEN.  
SKIN CONTACT . . . . . WILL TEMPORARILY COLOR THE SKIN.

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SKIN ABSORPTION . . . . .	NO HARMFUL EFFECTS EXPECTED.
EYE CONTACT . . . . .	MAY CAUSE SLIGHT IRRITATION.
INGESTION . . . . .	MAY CAUSE URINE TO HAVE A REDDISH COLOR UNTIL ALL THE DYE HAS BEEN REMOVED FROM THE SYSTEM.
EFFECTS OF ACUTE EXPOSURE . . . . .	NO HARMFUL EFFECTS EXPECTED.
EFFECTS OF CHRONIC EXPOSURE . . . . .	PROLONGED OR REPEATED OVEREXPOSURE MAY RESULT IN DELAYED KIDNEY DAMAGE.
THRESHOLD LIMIT VALUE . . . . .	NOT AVAILABLE
CARCINOGENICITY . . . . .	BASIC VIOLET 10 HAS BEEN SHOWN TO PROMOTE CANCEROUS TUMOR GROWTH IN LABORATORY ANIMALS AND IS LISTED AS A KNOWN OR SUSPECTED HUMAN CARCINOGEN BY IARC.
TERATOGENICITY . . . . .	NONE KNOWN
MUTAGENICITY . . . . .	BASIC VIOLET 10 HAS BEEN SHOWN TO INDUCE MUTATIONS IN LABORATORY ANIMALS.
TOXICOLOGICALLY SYNERGISTIC PRODUCTS . . . . .	NONE KNOWN

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PREVENTIVE MEASURES

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PERSONAL PROTECTIVE EQUIPMENT:

GLOVES . . . . .	RUBBER
RESPIRATORY . . . . .	USE DUST MASK TO AVOID INHALATION OF DUSTS.
CLOTHING . . . . .	PROTECTIVE CLOTHING WHERE SKIN CONTACT IS UNAVOIDABLE.
OTHER . . . . .	HAVE ACCESS TO AN EYEWASH.
ENGINEERING CONTROLS . . . . .	GENERAL ROOM VENTILATION
SPILL OR LEAK RESPONSE . . . . .	SWEEP UP THE MATERIAL (AVOID CREATING A DUST) AND PUT INTO APPROVED WASTE CONTAINERS.
WASTE DISPOSAL . . . . .	DISPOSE OF WASTE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.
HANDLING PROCEDURES AND EQUIPMENT . . . . .	NO SPECIAL REQUIREMENTS.
STORAGE REQUIREMENTS . . . . .	STORE IN ORIGINAL CONTAINER AWAY FROM EXCESSIVE HEAT OR OPEN FLAME.
SHIPPING INFORMATION . . . . .	NOT APPLICABLE

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FIRST AID MEASURES

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FIRST AID EMERGENCY PROCEDURES:

EYE CONTACT . . . . .	FLUSH EYES THOROUGHLY WITH LOW PRESSURE WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.
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SKIN CONTACT . . . . . WASH SKIN THOROUGHLY WITH SOAP  
AND WATER.

INHALATION . . . . . MOVE VICTIM TO FRESH AIR AND  
ADMINISTER OXYGEN IF NEEDED. SEEK  
MEDICAL ATTENTION IF VICTIM HAS  
DIFFICULTY BREATHING.

INGESTION . . . . . IF LARGE AMOUNTS ARE INGESTED,  
IMMEDIATELY INDUCE VOMITING BY  
GIVING 2 GLASSES OF WATER AND  
STICKING A FINGER DOWN THE THROAT.  
GET IMMEDIATE MEDICAL ATTENTION.  
DO NOT GIVE ANYTHING BY MOUTH TO  
AN UNCONSCIOUS OR CONVULSING  
PERSON.

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SPECIAL NOTICE

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END OF MATERIAL SAFETY DATA SHEET

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