

BRIGHT DYES™ MATERIAL SAFETY DATA SHEET
INDUSTRIAL RED LIQUID
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MSDS PREPARATION INFORMATION

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DATE PREPARED: 1/1/08

PRODUCT INFORMATION

MAUFACTURED BY: KINGSCOTE CHEMICALS
3334 S. TECH BLVD.
MIAMISBURG, OHIO 45342

CHEMICAL NAME NOT APPLICABLE
CHEMICAL FORMULA NOT APPLICABLE
CHEMICAL FAMILY AQUEOUS DYE PRODUCT

HAZARDOUS INGREDIENTS

<u>HAZARDOUS INGREDIENT</u>	<u>%</u>	<u>T.L.V</u>	<u>C.A.S. #</u>
ACETIC ACID	7-13	10 ppm	64-19-7
BASIC VIOLET 10	15-40	NONE	81-88-9

This product contains Basic Violet 10 (CAS# 81-88-9) which is subject to the reporting requirements of Section 313 of SARA Title III

<u>HAZARDOUS INGREDIENT</u>		<u>LD./50 SPECIES</u>	<u>LC/50 SPECIES</u>
ACETIC ACID	ORAL (RAT)	NOT AVAILABLE	NOT AVAILABLE
	DERMAL (RABBIT)	NOT AVAILABLE	NOT AVAILABLE
	INHALATION (RAT)	NOT AVAILABLE	NOT AVAILABLE
BASIC VIOLET 10	ORAL (MOUSE)	~2000 mg/kg	NOT AVAILABLE
	ORAL (RAT)	NOT AVAILABLE	NOT AVAILABLE
	DERMAL (RABBIT)	NOT AVAILABLE	NOT AVAILABLE
	INHALATION (RAT)	NOT AVAILABLE	NOT AVAILABLE

PHYSICAL DATA

PHYSICAL STATE LIQUID
ODOR AND APPEARANCE DARK RED, ODORLESS LIQUID
SPECIFIC GRAVITY APPROXIMATELY 1.0
VAPOR PRESSURE (mm Hg @ 25 ° C) 23.75
VAPOR DENSITY (AIR =1) 0.60
EVAPORATION RATE (Butyl Acetate = 1) 1.80
BOILING POINT 100 degrees C (212 degrees F)
FREEZING POINT 0 DEGREES C (32 degrees F)
pH 1.8 TO 2.2
SOLUBILITY IN WATER INFINITE

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FIRE HAZARD

CONDITION OF FLAMMABILITY	NON-FLAMABLE
MEANS OF EXTINCTION	WATER FOG, CARBON DIOXIDE, OR DRY CHEMICAL
FLASH POINT AND METHOD	NOT APPLICABLE
UPPER FLAMABLE LIMIT	NOT APPLICABLE
LOWER FLAMABLE LIMIT	NOT APPLICABLE
AUTO-IGNITION TEMPERATURE	NOT APPLICABLE
HAZARDOUS COMBUSTION PRODUCTS	NOT APPLICABLE
UNUSUAL FIRE HAZARD	NOT APPLICABLE

EXPLOSION HAZARD

SENSITIVITY TO STATIC DISCHARGE	NOT APPLICABLE
SENSITIVITY TO MECHANICAL IMPACT	NOT APPLICABLE

REACTIVITY DATA

PRODUCT STABILITY	STABLE
PRODUCT INCOMPATIBILITY	NONE KNOWN
CONDITIONS OF REACTIVITY	NOT APPLICABLE
HAZARDOUS DECOMPOSITION PRODUCTS	NONE KNOWN

TOXICOLOGICAL PROPERTIES

SYMPTOMS OF OVER EXPOSURE FOR EACH POTENTIAL ROUTE OF ENTRY:

INHALLATION, ACUTE	NO HARMFUL EFFECTS EXPECTED
INHALATION, CHRONIC	BASIC VIOLET 10 IS LISTED BY IARC AS A KNOWN OR SUSPECTED CARCINOGEN
SKIN CONTACT	WILL TEMPORARILY COLOR THE SKIN. MAY ALSO CAUSE IRRITATION BECAUSE OF THE ACIDIC NATURE OF THE PRODUCT
SKIN ABSORPTION	NO HARMFUL EFFECTS EXPECTED
EYE CONTACT	REDNESS AND IRRITATION
INGESTION	MAY CAUSE SEVERE INTESTINAL IRRITATION. MAY BURN THE MOUTH. URINE MAY HAVE A RED COLOR UNTIL DYE IS WASHED THROUGH THE SYSTEM
EFFECTS OF ACUTE EXPOSURE	NO HARMFUL EFFECTS EXPECTED
EFFECTS OF CHRONIC EXPOSURE	PROLONGED OR REOEATED OVEREXPOSUE MAY RESULT IN DELAYED KIDNEY DAMAGE.
THRESHOLD OF LIMIT VALUE	NOT APPLICABLE
CARCINOGENICITY	BASIC VIOLET 10 HAS BEEN SHOWN TO PROMOTE CANCEROUS TUMOR GROWTH IN LABORATORY ANIMALS AND IS LISTED AS A KNOWN OR SUSPECTED CARCINOGEN BY IARC, NTP OR OSHA.
TERATOGENICITY	NONE KNOWN
MUTAGENICITY	BASIC VIOLET 10 HAS BEEN SHOWN TO INDUCE MUTATIONS IN LABORATORY ANIMALS
TOXICOLOGY SYNERGISTIC PRODUCTS	NONE KNOWN

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PREVENTATIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

GLOVES	RUBBER
RESPIRATORY	USE NIOSH APPROVED DUST MASK IF DUSTY CONDITIONS EXIST.
CLOTHING	PROTECTIVE CLOTHING SHOULD BE WORN WHERE CONTACT IS UNAVOIDABLE.
OTHER	HAVE ACCESS TO EMERGENCY EYEWASH.
ENGINEERING CONTROLS	NOT NECESSARY UNDER NORMAL CONDITIONS, USE LOCAL VENTILATION IF DUSTY CONDITIONS EXIST.
SPILL OR LEAK RESPONSE	SOAK UP SMALL SPILLS WITH PAPER. SOAK UP LARGE SPILLS WITH ABSORBENT, WASH DOWN AFFECTED AREA
WASTE DISPOSAL	DISPOSE OF ALL WASTES IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.
HANDELING PROCEDURES AND EQUIPMENT	NO SPECIAL REQUIREMENTS
STORAGE REQUIREMENTS	STORE AT ROOM TEMPERATURE BUT ABOVE THE FREEZING POINT OF WATER
SHIPPING INFORMATION	KEEP FROM FREEZING

FIRST AID MEASURES

FIRST AID EMERGENCY PROCEDURES

EYE CONTACT	FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS
SKIN CONTACT	WASH SKIN THOROUGHLY WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS.
INHALATION	NO HARMFUL EFFECTS EXPECTED
INGESTION	DRINK PLENTY OF WATER AND INDUCE VOMITING. GET MEDICAL ATTENTION IF LARGE QUANTITIES WERE INGESTED OR IF NAUSEA OCCURS. NEVER GIVE FLUIDS OR INDUCE VOMITING IF THE PERSON IS UNCONSCIOUS OR HAS CONVULSIONS.

SPECIAL NOTICE

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END OF MATERIAL SAFETY DATA SHEET
