

**BRIGHT DYES™ MATERIAL SAFETY DATA SHEET**  
**INDUSTRIAL RED POWDER**  
**PAGE 1 OF 3**

---

**MSDS PREPARATION INFORMATION**

---

PREPARED BY: T. P. MULDOON  
(937) 886-9100  
DATE PREPARED: 1/1/08

---

**PRODUCT INFORMATION**

---

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

CHEMICAL NAME ..... C.I BASIC VIOLET 10  
CHEMICAL FORMULA ..... C28H31N2O3.C1  
CHEMICAL FAMILY ..... XANTHENE DYE FORM

---

**HAZARDOUS INGREDIENTS**

---

<u>HAZARDOUS INGREDIENT</u>	<u>%</u>	<u>T.L.V</u>	<u>C.A.S. #</u>
BASIC VIOLET 10	60-100	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>
BASIC VIOLET 10	ORAL (RAT)	NOT AVAILABLE	NOT AVAILABLE
	ORAL (MOUSE)	~887 mg/kg	NOT AVAILABLE
	DERMAL (RABBIT)	NOT AVAILABLE	NOT AVAILABLE
	INHALATION (RAT)	116 mg/kg	NOT AVAILABLE

---

**PHYSICAL DATA**

---

PHYSICAL STATE ..... POWDER  
ODOR AND APPEARANCE ..... DARK GREENISH RED, ODORLESS SOLID  
SPECIFIC GRAVITY ..... NOT APPLICABLE  
VAPOR DENSITY (mm Hg @ 25 ° 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 ..... MISCIBLE @ 20 degrees C

---

**FIRE HAZARD**

---

CONDITION OF FLAMMABILITY ..... NON-FLAMABLE  
MEANS OF EXTINCTION ..... WATER FOG, CARBON DIOXIDE, OR DRY CHEMICAL.

**BRIGHT DYES™ MATERIAL SAFETY DATA SHEET**  
**INDUSTRIAL RED POWDER**  
**PAGE 2 OF 3**

---

**FIRE HAZARD (Cont.)**

---

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 .....	THIS PRODUCT MAY POSE A SLIGHT DUST EXPLOSION HAZARD

---

**EXPLOSION HAZARD**

---

SENSITIVITY TO STATIC DISCHARGE .....	THIS PRODUCT MAY POSE A SLIGHT DUST EXPLOSION HAZARD
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.
EYE CONTACT .....	MAY CAUSE SLIGHT IRRITATION
INGESTION .....	URINE MAY BE A REDDISH COLOR UNTIL THE DYE HAS BEEN WASHED THROUGH 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 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 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

---

**BRIGHT DYES™ MATERIAL SAFETY DATA SHEET**  
**INDUSTRIAL RED POWDER**  
**PAGE 3 OF 3**

---

**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 .....	UNDER NORMAL CONDITIONS, USE LOCAL VENTILATION IF DUSTY CONDITIONS EXIST.
SPILL OR LEAK RESPONSE .....	SWEEP UP THE MATERIAL (AVOID CREATING A DUST) AND WASH AREA DOWN WITH WATER.
WASTE DISPOSAL .....	DISPOSE OF ALL WASTES IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.
HANDELING PROCEDURES AND EQUIPMENT .....	NO SPECIAL REQUIREMENTS.
STORAGE REQUIREMENTS .....	STORE IN ORIGINAL CONTAINER AWAY FROM EXCESSIVE HEAT OR OPEN FLAME
SHIPPING INFORMATION .....	NOT APPLICABLE

---

**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 .....	IF DUST IS INHALED, MOVE TO FRESH AIR. IF BREATHING IS DIFFICULT GIVE OXYGEN AND GET IMMEDIATE MEDICAL ATTENTION.
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**

---

ALL INFORMATION, RECOMMENDATIONS AND SUGGESTIONS APPEARING HEREIN CONCERNING THIS PRODUCT ARE BASED UPON DATA OBTAINED FROM MANUFACTURER AND/OR RECOGNIZED TECHNICAL SOURCES; HOWEVER, KINGSCOTE CHEMICALS MAKES NO WARRANTY, REPRESENTATION OR GUARANTEE AS TO THE ACCURACY, SUFFICIENCY OR COMPLETENESS OF THE MATERIAL SET FORTH HEREIN. IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE SAFETY, TOXICITY AND SUITABILITY OF HIS OWN USE, HANDLING, AND DISPOSAL OF THE PRODUCT. ADDITIONAL PRODUCT LITERATURE MAY BE AVAILABLE UPON REQUEST. SINCE ACTUAL USE BY OTHERS IS BEYOND OUR CONTROL, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE BY KINGSCOTE CHEMICALS AS TO THE EFFECTS OF SUCH USE, THE RESULTS TO BE OBTAINED OR THE SAFETY AND TOXICITY OF THE PRODUCT, NOR DOES KINGSCOTE CHEMICALS ASSUME ANY LIABILITY ARISING OUT OF USE BY OTHERS OF THE PRODUCT REFERRED TO HEREIN. THE DATA IN THE MSDS RELATES ONLY TO SPECIFIC MATERIAL DESIGNATED HEREIN AND DOES NOT RELATE TO USE IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY PROCESS.

---

**END OF MATERIAL SAFETY DATA SHEET**

---