

**BRIGHT DYES™ MATERIAL SAFETY DATA SHEET**  
**FWT RED™ DYE TABLET**  
**PAGE 1 OF 3**

---

**MSDS PREPARATION INFORMATION**

---

PREPARED BY: T. P. MULDOON  
(937) 886-9100  
DATE PREPARED: 1/1/05

---

**PRODUCT INFORMATION**

---

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

CHEMICAL NAME ..... MIXTURE  
CHEMICAL FORMULA ..... NOT APPLICABLE  
CHEMICAL FAMILY ..... XANTHENE DYE FORM

---

**HAZARDOUS INGREDIENTS**

---

NONE PER 29 CFR 1910.1200

---

**PHYSICAL DATA**

---

PHYSICAL STATE ..... DRY TABLET  
ODOR AND APPEARANCE ..... DARK RED COLOR WITH NO APPARENT ODOR  
SPECIFIC GRAVITY ..... >1  
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 ..... HIGHLY SOLUBLE WITH SMALL AMOUNT OF INSOLUBLE  
RESIDUE

---

**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 ..... BURNING MAY PRODUCE OXIDES OF CARBON NITROGEN  
UNUSUAL FIRE HAZARD ..... REMOTE POSSIBILITY OF A DUST EXPLOSION. IF MIXED  
WITH AIR IN THE PROPER PROPORTIONS, IT CAN BE  
EXPLOSIVE (SIMILAR TO FLOUR OR STARCH).

**BRIGHT DYES™ MATERIAL SAFETY DATA SHEET**  
**FWT RED™ DYE TABLET**  
**PAGE 2 OF 3**

---

**EXPLOSION HAZARD**

---

SENSITIVITY TO STATIC DISCHARGE ..... REMOTE POSSIBILITY OF A DUST EXPLOSION. IF MIXED WITH AIR IN THE PROPER PROPORTIONS, IT CAN BE EXPLOSIVE (SIMILAR TO FLOUR OR STARCH).

SENSITIVITY TO MECHANICAL IMPACT ..... NOT APPLICABLE

---

**REACTIVITY DATA**

---

PRODUCT STABILITY ..... STABLE

PRODUCT INCOMPATIBILITY ..... AVOID BROMINE TRIFLUORIDE, LITHIUM, STRONG ACIDS, BASES AND OXIDIZERS.

CONDITIONS OF REACTIVITY ..... NONE KNOWN

HAZARDOUS DECOMPOSITION PRODUCTS ..... SEE HAZARDOUS COMBUSTION PRODUCTS

---

**TOXICOLOGICAL PROPERTIES**

---

SYMPTOMS OF OVER EXPOSURE FOR EACH POTENTIAL ROUTE OF ENTRY:

INHALLATION, ACUTE ..... MAY CAUSE IRRITATION IF DUST IS INHALED.

INHALATION, CHRONIC ..... NONE KNOWN

SKIN CONTACT ..... MAY BE IRRITATING TO THE SKIN. WILL CAUSE STAINING OF THE SKIN ON CONTACT.

EYE CONTACT ..... MAY CAUSE IRRITATION

INGESTION ..... URINE MAY BE A YELLOW/GREEN COLOR UNTIL THE DYE HAS BEEN WASHED THROUGH THE SYSTEM.

EFFECTS OF ACUTE EXPOSURE ..... DIRECT CONTACT MAY CAUSE IRRITATION TO THE EYES, SKIN, AND RESPIRATORY TRACT.

EFFECTS OF CHRONIC EXPOSURE ..... NONE KNOWN

THRESHOLD OF LIMIT VALUE ..... NOT APPLICABLE

CARCINOGENICITY ..... NOT LISTED AS A KNOWN OR SUSPECTED CARCINOGEN BY IARC, NTP OR OSHA.

TERATOGENICITY ..... NONE KNOWN

TOXICOLOGY SYNERGISTIC PRODUCTS ..... NONE KNOWN

---

**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.

**BRIGHT DYES™ MATERIAL SAFETY DATA SHEET**  
**FWT RED™ DYE TABLET**  
**PAGE 3 OF 3**

---

**PREVENTATIVE MEASURES (CONT.)**

---

ENGINEERING CONTROLS .....	NOT NECESSARY UNDER NORMAL CONDITIONS, USE LOCAL VENTILATION IF DUSTY CONDITIONS EXIST.
SPILL OR LEAK RESPONSE .....	SWEEP UP SPILLS AND PLACE IN WASTE DISPOSAL CONTAINER, FLUSH AFFECTED AREA WITH WATER.
WASTE DISPOSAL .....	INCINERATE OR REMOVE TO A SUITABLE SOLID WASTE DISPOSAL SITE, DISPOSE OF ALL WASTES IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.
HANDELING PROCEDURES AND EQUIPMENT .....	NO SPECIAL REQUIREMENTS.
STORAGE REQUIREMENTS .....	STORE IN A COOL, DRY PLACE AWAY FROM EXCESSIVE HEAT OR FLAME.
SHIPPING INFORMATION .....	NO SPECIAL REQUIREMENTS

---

**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**

---