

**BRIGHT DYES™ MATERIAL SAFETY DATA SHEET**  
**FWT RED™ 50 LIQUID**  
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**MSDS PREPARATION INFORMATION**

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DATE PREPARED: 1/1/11

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**PRODUCT INFORMATION**

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

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

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**HAZARDOUS INGREDIENTS**

DESCRIPTION	%	T.L.V.	C.A.S. #
TRIMELLITIC ACID	.75	NONE	528-44-9
	<u>LD/50, SPECIES</u>		<u>LC/50, SPECIES</u>
ORAL (MOUSE)	2500 MG/KG		NONE AVAILABLE
DERMAL (RABBIT)	NOT AVAILABLE		NOT AVAILABLE

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**PHYSICAL DATA**

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PHYSICAL STATE: ..... LIQUID  
ODOR AND APPEARANCE : ..... DARK RED LIQUID WITH MILD ODOR  
SPECIFIC GRAVITY: ..... ~1.03  
VAPOR DENSITY (mm Hg @ 25 ° C): ..... NOT APPLICABLE  
VAPOR DENSITY (AIR =1): ..... NOT APPLICABLE  
EVAPORATION RATE (Butyl Acetate = 1): ..... NOT APPLICABLE  
BOILING POINT: ..... ~ 100 degrees. C (212 degrees. F)  
FREEZING POINT: ..... ~ 0 degrees C (32 degrees F)  
Ph: ..... 8.6 TO 8.8  
SOLUBILITY IN WATER : ..... VERY SOLUBLE

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**FIRE HAZARD**

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CONDITION OF FLAMMABILITY: ..... NON-FLAMABLE  
MEANS OF EXTINCTION: ..... WATER FOG, CARBON DIOXIDE, DRY CHEMICAL, WEAR  
SCBA  
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: ..... NOT APPLICABLE

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**EXPLOSION HAZARD**

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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: ..... DO NOT MIX WITH ACIDS  
CONDITIONS OF REACTIVITY: ..... NOT APPLICABLE  
HAZARDOUS DECOMPOSITION PRODUCTS: ..... SEE HAZARDOUS COMBUSTION PRODUCTS

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**TOXICOLOGICAL PROPERTIES**

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SYMPTOMS OF OVER EXPOSURE FOR EACH POTENTIAL ROUTE OF ENTRY:

INHALLATION, ACUTE: ..... NOT KNOWN  
INHALATION, CHRONIC: ..... NOT KNOWN  
SKIN CONTACT: ..... MAY BE IRRITATING TO THE SKIN. WILL CAUSE  
TEMPORARY STAINING OF THE SKIN ON CONTACT.  
EYE CONTACT: ..... MAY CAUSE IRRITATION  
INGESTION: ..... URINE MAY BE A RED 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 : ..... NOT KNOWN  
THRESHOLD OF LIMIT VALUE: ..... NOT APPLICABLE  
CARCINOGENICITY: ..... NOT LISTED AS A KNOWN OR SUSPECTED CARCINOGEN BY  
IARC, NTP OR OSHA.  
TERATOGENICITY: ..... NONE KNOWN  
MUTAGENICITY: ..... CONFLICTING EVIDENCE AS TO MUTAGENICITY OF THE  
DYE CONTAINED IN THIS PRODUCT.  
TOXICOLOGY SYNERGISTIC PRODUCTS: ..... NONE KNOWN

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**REGULATORY INFORMATION**

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SARA SECTION 303: ..... NONE FOUND  
SARA (311, 312) HAZARD CLASS: ..... IMMEDIATE HEALTH HAZARD  
SARA (313) REPORTABLE CHEMICAL (%): ..... NONE  
METAL CONTENT: ..... THIS PRODUCT IS NOT A METALLIZED DYE  
TSCS INVENTORY STATUS ..... ALL COMPONENTS ARE INCLUDED ON TSCA SECTION 8  
CALIFORNIA PROPOSITION 65 CHEMICALS: ..... NONE  
TSCA SECTION 12 (B) EXPORT REGULATIONS: ..... NOT SUBJECT TO TSCA 12 (b) EXPORT REGULATION

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**ECOLOGICAL INFORMATION**

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ECOTOXICOLOGICAL INFORMATION: ..... LC50: >320 mg/L RAINBOW TROUT (96 Hour)  
LC50: 170 mg/L DAPHINA MAGNA

NO DEVELOPMENTAL ABNORMALITIES OR TOXICITY TO OYSTER LARVAE AT 100 mg/L

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**PREVENTATIVE MEASURES**

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**PERSONAL PROTECTIVE EQUIPMENT**

GLOVES: ..... RUBBER  
RESPIRATORY: ..... NONE REQUIRED UNDER NORMAL CONDITIONS  
EYE PROTECTION: ..... GOGGLES  
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: ..... CONTAIN AND CLEAN UP SPILL IMMEDIATELY, PREVENT FROM ENTERING FLOOR DRAINS. SWEEP POWDERS 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 AT ROOM TEMPERATURE BUT ABOVE THE FREEZING POINT OF WATER

SHIPPING INFORMATION: ..... KEEP FROM FREEZING

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**FIRST AID MEASURES**

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**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.

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**SPECIAL NOTICE**

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**END OF MATERIAL SAFETY DATA SHEET**