BRIGHT DYES™ MATERIAL SAFETY DATA SHEET
FWT RED™ 50 LIQUID
PAGE 1 OF 3

MSDS PREPARATION INFORMATION

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DATE PREPARED: 1/1/02

PRODUCT INFORMATION

MANUFACTURED BY: KINGSCOTE CHEMICALS
1334 S. TECH BLVD
MIAMISBURG, OHIO 45342

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

HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>%</th>
<th>T.L.V.</th>
<th>C.A.S. #</th>
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<tbody>
<tr>
<td>Trimellitic Acid</td>
<td>1.25</td>
<td>NONE</td>
<td>528-44-9</td>
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ORAL (MOUSE) 1D/50, SPECIES
DERMAL (RABBIT) 2500 MG/KG

HAZARDOUS INGREDIENTS

PHYSICAL DATA

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

PHYSICAL DATA

FIRE HAZARD

CONDITION OF FLAMMABILITY: NON-FLAMABLE
MEANS OF EXTINGUISH: 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
BRIGHT DYES™ MATERIAL SAFETY DATA SHEET  
FWT RED™ 50 LIQUID  
PAGE 2 OF 3

### EXPLOSION HAZARD

| Sensitivity to Static Discharge | Not Applicable |
| Sensitivity to Mechanical Impact | Not Applicable |

### REACTIVITY DATA

| Product Stability       | Stable    |
| Product Incompatibility  | Do Not Mix with Acids |
| Conditions of Reactivity | Not Applicable |
| Hazardous Decomposition Products | See Hazardous Combustion Products |

### TOXICOLOGICAL PROPERTIES

#### Symptoms of Over Exposure for Each Potential Route of Entry:

| Inhalation, 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

### PREVENTATIVE MEASURES

#### Personal Protective Equipment

- **Gloves**: None Required Under Normal Conditions
- **Respiratory**: None Required Under Normal Conditions
- **Eye Protection**: Goggles
- **Clothing**: Protective Clothing Should Be Worn Where Contact Is Unavoidable. Have Access to Emergency Eyewash.
BRIGHT DYES™ MATERIAL SAFETY DATA SHEET
FWT RED™ 50 LIQUID
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
CONTAIN AND CLEAN UP SPILL IMMEDIATELY. PREVENT FROM ENTERING FLOOR DRAINS. SWEET 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.

HANDLING 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
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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