

BRIGHT DYES™ MATERIAL SAFETY DATA SHEET
FWT RED™ 200 LIQUID
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MSDS PREPARATION INFORMATION

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DATE PREPARED: 1/1/11

PRODUCT INFORMATION

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

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

HAZARDOUS INGREDIENTS

| DESCRIPTION | % | T.L.V. | C.A.S. # |
|------------------|-----------------------|--------|-----------------------|
| TRIMELLITIC ACID | 3.0 | 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 |

PHYSICAL DATA

PHYSICAL STATE LIQUID
ODOR AND APPEARANCE DARK RED LIQUID WITH MILD ODOR
SPECIFIC GRAVITY ~1.15
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 ~ 10 degrees C (14 degrees F)
pH 10.4 TO 10.8
SOLUBILITY IN WATER VERY SOLUBLE

FIRE HAZARD

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

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:

INHALLATION, ACUTE TRIMELLITIC ACID MAY CAUSE IRRITATION
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

REGULATORY INFORMATION

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

ECOLOGICAL INFORMATION

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

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 |

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

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