

BRIGHT DYES MATERIAL SAFETY DATA SHEET
FLT YELLOW/GREEN POWDER
PAGE 1 OF 3

MSDS PREPARATION INFORMATION

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DATE PREPARED: 1/1/08

PRODUCT INFORMATION

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

CHEMICAL NAME FLUORESCEIN, DISODIUM
CHEMICAL FORMULA C(20)H(10)O(5) – 2Na
CHEMICAL FAMILY XANTHENE DYE FORM

HAZARDOUS INGREDIENTS

NONE PER 29 CFR 1910.1200

PHYSICAL DATA

PHYSICAL STATE POWDER
ODOR AND APPEARANCE ORANGE/RED COLOR WITH NO APPARENT ODOR
SPECIFIC GRAVITY ~ 0.6 g/cc
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

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 AVOID DUSTING

BRIGHT DYES MATERIAL SAFETY DATA SHEET
FLT YELLOW/GREEN POWDER
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 BURNING MAY YIELD OXIDES OF CARBON

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 YELLOW/GREEN 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
FLT YELLOW/GREEN POWDER
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.

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END OF MATERIAL SAFETY DATA SHEET
