

**KINGSCOTE CHEMICALS MATERIAL SAFETY DATA SHEET  
TROPICAL SHADE LAKE AND POND LIQUID CONCENTRATE  
PAGE 1 OF 3**

---

**MSDS PREPARATION INFORMATION**

---

PREPARED BY: T. P. MULDOON  
(937) 886-9100  
DATE PREPARED: 1/1/02

---

**PRODUCT INFORMATION**

---

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

CHEMICAL NAME ..... NOT APPLICABLE  
CHEMICAL FORMULA ..... NOT APPLICABLE  
CHEMICAL FAMILY ..... AQUEOUS DYE PRODUCT

---

**HAZARDOUS INGREDIENTS**

---

NONE PER 29 CFR 1910.1200

---

**PHYSICAL DATA**

---

PHYSICAL STATE ..... LIQUID  
ODOR AND APPEARANCE ..... DARK BLUE  
SPECIFIC GRAVITY ..... ~1.04  
VAPOR DENSITY (mm Hg @ 25 ° C) ..... NOT DETERMINED  
VAPOR DENSITY (AIR =1) ..... NOT DETERMINED  
EVAPORATION RATE (Butyl Acetate = 1) ..... NOT DETERMINED  
BOILING POINT ..... 100 degrees C (212 degrees F)  
FREEZING POINT ..... 0 degrees C (32 degrees F)  
pH ..... 5.1 TO 5.3  
SOLUBILITY IN WATER ..... HIGHLY 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 ..... MAY LIBERATE OXIDES OF CARBON AND NITROGEN  
UNUSUAL FIRE HAZARD ..... NOT APPLICABLE

**KINGSCOTE CHEMICALS MATERIAL SAFETY DATA SHEET  
TROPICAL SHADE LAKE AND POND LIQUID CONCENTRATE  
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:

INHALLATION, ACUTE ..... NOT KNOWN  
INHALATION, CHRONIC ..... NOT KNOWN  
SKIN CONTACT ..... WILL TEMPORARILY GIVE SKIN A BLUE COLOR. MAY  
CAUSE SKIN IRRITATION.  
EYE CONTACT ..... MAY CAUSE IRRITATION.  
INGESTION ..... URINE MAY BE A BLUE COLOR UNTIL THE DYE HAS BEEN  
WASHED THROUGH THE SYSTEM.  
EFFECTS OF ACUTE EXPOSURE ..... NOT KNOWN  
EFFECTS OF CHRONIC EXPOSURE ..... NOT KNOWN  
THRESHOLD OF LIMIT VALUE ..... NOT APPLICABLE  
CARCINOGENICITY ..... RTECS BQ472500 LISTS A CITATION FROM IARC 16.171.78  
WHEREIN THE CARCINOGENIC DETERMINATION IN ANIMALS  
IS SHOWN TO BE POSITIVE. HOWEVER THE FDA IN IT'S  
PERMANENT LISTING FD&C BLUE #1 (FEDERAL REGISTER  
VOL. 47, NO. 188, SEPT. 26, 1982) DID NOT CONCUR IN THOSE  
FINDINGS.  
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.

**KINGSCOTE CHEMICALS MATERIAL SAFETY DATA SHEET  
TROPICAL SHADE LAKE AND POND LIQUID CONCENTRATE  
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 .....	CLEAN UP SPILLS IMMEDIATELY, PREVENT FROM ENTERING FLOOR DRAINS AND PLACE IN WASTE DISPOSAL CONTAINER, FLUSH AFFECTED AREA WITH WATER.
WASTE DISPOSAL .....	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 FRO FREEZING

---

**FIRST AID MEASURES**

---

FIRST AID EMERGENGY 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**

---