

HARBOR BOSUN™ MATERIAL SAFETY DATA SHEET
YELLOW/GREEN LIQUID CONCENTRATE
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MSDS PREPARATION INFORMATION

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DATE PREPARED: 1/1/03

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 PRODUCR

HAZARDOUS INGREDIENTS

NONE PER 29 CFR 1910.1200

PHYSICAL DATA

PHYSICAL STATE LIQUID
ODOR AND APPEARANCE YELLOW/GREEN, WITH NO APPARENT ODOR
SPECIFIC GRAVITY APPROXIMATELY 1.05

VAPOR DENSITY (mm Hg @ 25 ° C) ~23.75
VAPOR DENSITY (AIR =1) ~0.6
EVAPORATION RATE (Butyl Acetate = 1) ~1.8
BOILING POINT 100 degrees C (212 degrees F)
FREEZING POINT 0 degrees C (32 degrees F)
pH 8.0 OR ABOVE
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 NOT APPLICABLE
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 NONE KNOWN
CONDITIONS OF REACTIVITY NOT APPLICABLE
HAZARDOUS DECOMPOSITION PRODUCTS NONE KNOWN

TOXICOLOGICAL PROPERTIES

SYMPTOMS OF OVER EXPOSURE FOR EACH POTENTIAL ROUTE OF ENTRY:

INHALLATION, ACUTE NO HARMFUL EFFECTS EXPECTED.
INHALATION, CHRONIC NO HARMFUL EFFECTS EXPECTED.
SKIN CONTACT WILL TEMPORARILY GIVE SKIN A YELLOW/GREEN COLOR.
EYE CONTACT NO HARMFUL EFFECTS EXPECTED.
INGESTION URINE MAY BE A YELLOW/GREEN COLOR UNTIL THE DYE
HAS BEEN WASHED THROUGH THE SYSTEM.
EFFECTS OF ACUTE EXPOSURE NO HARMFUL EFFECTS EXPECTED
EFFECTS OF CHRONIC EXPOSURE NO HARMFUL EFFECTS EXPECTED
THRESHOLD OF LIMIT VALUE NOT APPLICABLE
CARCINOGENICITY NOT LISTED AS A KINOWN 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 NISOH APPROVED DUST MASK IF DUSTY CONDITIONS
EXIST.
CLOTHING PROTECTIVE CLOTHING SHOULD BE WORN WHERE
CONTACT IS UNAVOIDABLE.
OTHER HAVE ACCESS TO EMERGENCY EYEWASH.

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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.

SPECIAL NOTICE

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END OF MATERIAL SAFETY DATA SHEET
