



MATERIAL SAFETY DATA SHEET
REQUIRED UNDER SAFETY AND HEALTH REGULATION FOR SHIP REPAIRING

DATE PREPARED: AUGUST 13, 2007

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : FLUORESCEIN (FREE ACID)
PRODUCT NUMBER : FB0463

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

FORMULA : C₂₀H₁₂O₅
MOLECULAR WEIGHT : 332.31 G/MOL
CAS-NO. EC-NO. INDEX-NO. CONCENTRATION [%]
2-(6-HYDROXY-3-OXO-(3H)-XANTHEN-9-YL)BENZOIC ACID
2321-07-5 219-031-8 - -

SECTION 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

TARGET ORGANS

KIDNEY

WHMIS CLASSIFICATION

NOT RATED NOT RATED

HMIS CLASSIFICATION

HEALTH HAZARD: 0

CHRONIC HEALTH HAZARD: *

FLAMMABILITY: 0

PHYSICAL HAZARDS: 0

POTENTIAL HEALTH EFFECTS

INHALATION MAY BE HARMFUL IF INHALED. MAY CAUSE RESPIRATORY TRACT IRRITATION.

SKIN MAY BE HARMFUL IF ABSORBED THROUGH SKIN. MAY CAUSE SKIN IRRITATION.

EYES MAY CAUSE EYE IRRITATION.

INGESTION MAY BE HARMFUL IF SWALLOWED.

SECTION 4. FIRST AID MEASURES

IF INHALED

IF BREATHED IN, MOVE PERSON INTO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION

IN CASE OF SKIN CONTACT

WASH OFF WITH SOAP AND PLENTY OF WATER.

IN CASE OF EYE CONTACT

FLUSH EYES WITH WATER AS A PRECAUTION.

IF SWALLOWED

NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. RINSE MOUTH WITH WATER.

SECTION 5. FIRE-FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT NO DATA AVAILABLE

IGNITION TEMPERATURE NO DATA AVAILABLE

SUITABLE EXTINGUISHING MEDIA
USE WATER SPRAY, ALCOHOL-RESISTANT FOAM, DRY CHEMICAL OR CARBON DIOXIDE.
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS
WEAR SELF CONTAINED BREATHING APPARATUS FOR FIRE FIGHTING IF NECESSARY.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS
AVOID DUST FORMATION.
ENVIRONMENTAL PRECAUTIONS
DO NOT LET PRODUCT ENTER DRAINS.
METHODS FOR CLEANING UP
SWEEP UP AND SHOVEL. KEEP IN SUITABLE, CLOSED CONTAINERS FOR DISPOSAL.

SECTION 7. HANDLING AND STORAGE

HANDLING
PROVIDE APPROPRIATE EXHAUST VENTILATION AT PLACES WHERE DUST IS FORMED. NORMAL
MEASURES FOR PREVENTIVE FIRE
PROTECTION.
STORAGE
KEEP CONTAINER TIGHTLY CLOSED IN A DRY AND WELL-VENTILATED PLACE.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTAINS NO SUBSTANCES WITH OCCUPATIONAL EXPOSURE LIMIT VALUES.
PERSONAL PROTECTIVE EQUIPMENT
RESPIRATORY PROTECTION
RESPIRATORY PROTECTION IS NOT REQUIRED. WHERE PROTECTION FROM NUISANCE LEVELS OF
DUSTS ARE DESIRED, USE TYPE N95
(US) OR TYPE P1 (EN 143) DUST MASKS. USE RESPIRATORS AND COMPONENTS TESTED AND
APPROVED UNDER APPROPRIATE
GOVERNMENT STANDARDS SUCH AS NIOSH (US) OR CEN (EU).
HAND PROTECTION
HANDLE WITH GLOVES.
EYE PROTECTION
SAFETY GLASSES
HYGIENE MEASURES
GENERAL INDUSTRIAL HYGIENE PRACTICE.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE
FORM POWDER
COLOUR RED
SAFETY DATA
PH NO DATA AVAILABLE
MELTING POINT 320 °C (608 °F)
BOILING POINT NO DATA AVAILABLE
FLASH POINT NO DATA AVAILABLE
IGNITION TEMPERATURE NO DATA AVAILABLE
LOWER EXPLOSION LIMIT NO DATA AVAILABLE
UPPER EXPLOSION LIMIT NO DATA AVAILABLE
WATER SOLUBILITY NO DATA AVAILABLE

SECTION 10. STABILITY AND REACTIVITY

STORAGE STABILITY
STABLE UNDER RECOMMENDED STORAGE CONDITIONS.
MATERIALS TO AVOID
STRONG OXIDIZING AGENTS
HAZARDOUS DECOMPOSITION PRODUCTS
HAZARDOUS DECOMPOSITION PRODUCTS FORMED UNDER FIRE CONDITIONS.

CARBON OXIDES

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

LD50 INTRAVENOUS - MOUSE - 300 MG/KG

IRRITATION AND CORROSION

NO DATA AVAILABLE

SENSITISATION

NO DATA AVAILABLE

CHRONIC EXPOSURE

NO DATA AVAILABLE

SIGNS AND SYMPTOMS OF EXPOSURE

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

POTENTIAL HEALTH EFFECTS

INHALATION MAY BE HARMFUL IF INHALED. MAY CAUSE RESPIRATORY TRACT IRRITATION.

SKIN MAY BE HARMFUL IF ABSORBED THROUGH SKIN. MAY CAUSE SKIN IRRITATION.

EYES MAY CAUSE EYE IRRITATION.

INGESTION MAY BE HARMFUL IF SWALLOWED.

TARGET ORGANS KIDNEY,

SECTION 12. ECOLOGICAL INFORMATION

E LIMINATION INFORMATION (PERSISTENCE AND DEGRADABILITY)

NO DATA AVAILABLE

E COTOXICITY EFFECTS

NO DATA AVAILABLE

FURTHER INFORMATION ON ECOLOGY

NO DATA AVAILABLE

SECTION 13. DISPOSAL CONSIDERATIONS

PRODUCT

OBSERVE ALL FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS. CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE

TO DISPOSE OF THIS MATERIAL. DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR

EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.

CONTAMINATED PACKAGING

DISPOSE OF AS UNUSED PRODUCT.

SECTION 14. TRANSPORT INFORMATION

DOT (US)

NOT DANGEROUS GOODS

IMDG

NOT DANGEROUS GOODS

IATA

NOT DANGEROUS GOODS

SECTION 15. REGULATORY INFORMATION

TSCA STATUS

ON TSCA INVENTORY

DSL STATUS

ALL COMPONENTS OF THIS PRODUCT ARE ON THE CANADIAN DSL LIST.

WHMIS CLASSIFICATION

NOT RATED NOT RATED

SECTION 16 - OTHER INFORMATION

DISCLAIMER

FOR R&D USE ONLY. NOT FOR DRUG, HOUSEHOLD OR OTHER USES.

WARRANTY

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. THE INFORMATION IN THIS DOCUMENT IS BASED ON THE PRESENT STATE OF OUR KNOWLEDGE AND IS APPLICABLE TO THE PRODUCT WITH REGARD TO APPROPRIATE SAFETY PRECAUTIONS. IT DOES NOT REPRESENT ANY GUARANTEE OF THE PROPERTIES OF THE PRODUCT. BIOBASIC, SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. SEE REVERSE SIDE OF INVOICE OR PACKING SLIP FOR ADDITIONAL TERMS AND CONDITIONS OF SALE. COPYRIGHT 2007 BIOBASIC. LICENSE GRANTED TO MAKE UNLIMITED PAPER COPIES FOR INTERNAL USE ONLY.