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M A T E R I A L S A F E T Y D A T A S H E E T

SECTION 1. - - - - - CHEMICAL IDENTIFICATION- - - - -

CATALOG #: F6377  
NAME: FLUORESCEIN SODIUM

SECTION 2. - - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - -

CAS #: 518-47-8  
MF: C20H10NA2O5  
EC NO: 208-253-0

SYNONYMS

AIZEN URANINE \* CALCOCID URANINE B4315 \* 9-O-CARBOXYPHENYL-6-HYDROXY-3-ISOXANTHONE, DISODIUM SALT \* CERTIQUAL FLUORESCEINE \* C.I. 766 \* C. I. ACID YELLOW 73 \* C.I. 45350 DISODIUM SALT \* C.I. 45350 SODIUM SALT \* D&C YELLOW NO. 8 \* DISODIUM 6-HYDROXY-3-OXO-9-XANTHENE-O-BENZOATE \* FLUORESCEIN SODIUM \* FLUORESCEIN SODIUM B.P \* FLUORESCEIN, SOLUBLE \* FLUOR-I-STRIP A.T. \* FUL-GLO \* FUNDUSCEIN \* FURANIUM \* HIDACID URANINE \* NCI-C54706 \* RESORCINOL PHTHALEIN SODIUM \* SODIUM FLUORESCEIN \* SODIUM FLUORESCEINATE \* SODIUM SALT OF HYDROXY-O-CARBOXY-PHENYL-FLUORONE \* SOLUBLE FLUORESCEIN \* SOLUBLE FLUORESCEINE \* SPIRO(ISOBENZOFURAN-1(3H),9'-(9H)XANTHEN)-3-ONE, 3',6'-DIHYDROXY-, DISODIUM SALT \* URANIN \* URANINE \* URANINE A EXTRA \* URANINE O \* URANINE SS \* URANINE USP XII \* URANINE WSS \* URANINE YELLOW \* 11824 YELLOW \* 12417 YELLOW \*

SECTION 3. - - - - - HAZARDS IDENTIFICATION - - - - -

LABEL PRECAUTIONARY STATEMENTS

CAUTION:  
AVOID CONTACT AND INHALATION.  
TARGET ORGAN(S):  
KIDNEYS

SECTION 4. - - - - - FIRST-AID MEASURES- - - - -

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES.  
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN.  
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

SECTION 5. - - - - - FIRE FIGHTING MEASURES - - - - -

EXTINGUISHING MEDIA

WATER SPRAY.  
CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

SPECIAL FIREFIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS

EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

SECTION 6. - - - - - ACCIDENTAL RELEASE MEASURES- - - - -

WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY RUBBER GLOVES.  
SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.  
AVOID RAISING DUST.  
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

SECTION 7. - - - - - HANDLING AND STORAGE- - - - -

REFER TO SECTION 8.

SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION- - - - -  
WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT  
GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.  
SAFETY SHOWER AND EYE BATH.  
USE ONLY IN A CHEMICAL FUME HOOD.  
DO NOT BREATHE DUST.  
AVOID ALL CONTACT.  
WASH THOROUGHLY AFTER HANDLING.  
DISCARD CONTAMINATED CLOTHING AND SHOES.  
KEEP TIGHTLY CLOSED.  
STORE IN A COOL DRY PLACE.

SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - -  
DATA NOT AVAILABLE

SECTION 10. - - - - - STABILITY AND REACTIVITY - - - - -  
STABILITY  
STABLE.  
CONDITIONS TO AVOID  
PROTECT FROM MOISTURE.  
INCOMPATIBILITIES  
PROTECT FROM MOISTURE.  
STRONG OXIDIZING AGENTS  
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS  
CARBON MONOXIDE, CARBON DIOXIDE  
HAZARDOUS POLYMERIZATION  
WILL NOT OCCUR.

SECTION 11. - - - - - TOXICOLOGICAL INFORMATION - - - - -  
ACUTE EFFECTS  
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND  
TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.  
MAY CAUSE SKIN IRRITATION.  
MAY CAUSE EYE IRRITATION.  
MATERIAL MAY BE IRRITATING TO MUCOUS MEMBRANES AND UPPER  
RESPIRATORY TRACT.  
MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.

CHRONIC EFFECTS  
TARGET ORGAN(S):  
KIDNEYS

RTECS #: LM5425000  
FLUORESCEIN, DISODIUM SALT

TOXICITY DATA

ORL-RAT LD50:6721 MG/KG	JOPRAJ 48,228,1977
IVN-RAT LD50:1 GM/KG	TXAPA9 29,97,1974
ORL-MUS LD50:4738 MG/KG	JOPRAJ 48,228,1977
IVN-MUS LD50:1 GM/KG	TXAPA9 29,97,1974
IVN-DOG LD50:1 GM/KG	TXAPA9 29,97,1974

TARGET ORGAN DATA  
SENSE ORGANS AND SPECIAL SENSES (HEMORRHAGE)  
CARDIAC (ARRYTHMIAS)  
GASTROINTESTINAL (CHANGES IN STRUCTURE OR FUNCTION OF SALIVARY GLANDS)  
GASTROINTESTINAL (NAUSEA OR VOMITING)  
BLOOD (OTHER CHANGES)  
MATERNAL EFFECTS (POSTPARTUM)  
EFFECTS ON NEWBORN (VIABILITY INDEX)  
ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES  
(RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR  
COMPLETE INFORMATION.

SECTION 12. - - - - - ECOLOGICAL INFORMATION - - - - -  
DATA NOT YET AVAILABLE.

SECTION 13. - - - - - DISPOSAL CONSIDERATIONS - - - - -  
DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A  
CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.  
OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. - - - - - TRANSPORT INFORMATION - - - - -  
CONTACT SIGMA CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

SECTION 15. - - - - - REGULATORY INFORMATION - - - - -

EUROPEAN INFORMATION

S 22

DO NOT BREATHE DUST.

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AVOID CONTACT WITH SKIN AND EYES.

REVIEWS, STANDARDS, AND REGULATIONS

OEL=MAK

NOHS 1974: HZD M1436; NIS 18; TNF 2278; NOS 21; TNE 14785

NOES 1983: HZD M1436; NIS 76; TNF 5145; NOS 69; TNE 94491; TFE 21830

EPA TSCA SECTION 8(B) CHEMICAL INVENTORY

SECTION 16. - - - - - OTHER INFORMATION- - - - -

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