

MATERIAL SAFETY DATA SHEET

M.S.D.S FOR: URANINE

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1- PRODUCT IDENTIFICATION:

PRODUCT : URANINE

FORMULA : C₂₀ H₁₀ O₅ Na₂

FORMULA WT: 376.3

CAS NO. : 518-47-8

COMMON SYNONYMS: FLUORESCIN, SODIUM USP SOLUBLE FLUORESCIN.

2 – COMPONENTS / INFORMATION ON INGREDIENTS:

COMPONENT	%	CAS NO.	HAZARD
FLUORESCIN SODIUM	90-100	518-47-8	N.A

3. – HAZARD IDENTIFICATION DATA :

-TOXICITY : LD₅₀ (ORAL-MOUSE)(MG/KG) -NOT KNOWN

LD₅₀ (IV-MOUSE) (MG/KG) -NOT KNOWN

- CARCINOGENICITY: NTP: NO IARC: NO ZLIST: NO OSHA REG: NO

- EFFECTS OF OVEREXPOSURE:

INHALATION OF DUST MAY CAUSE IRRITATION TO

UPPER RESPIRATORY TRACT. CONTACT WITH SKIN OR EYES MAY CAUSE IRRITATION.

TARGET ORGANS: NONE IDENTIFIED.

- MEDICAL CONDITION GENERALLY AGGRAVATED BY EXPOSURE
NONE IDENTIFIED

ROUTES OF ENTRY:

INHALATION, INGESTION, SKIN CONTACT, EYE CONTACT

4 - FIRST AID MEASURES :

- KEEP AWAY FROM HEAT AND IGNITION SOURCES.MAY BE HARMFUL IF SOLLOWED AVOID BRETHING VAPOR OR DUST.USE WITH ADEQUATE VENTILATION.AVOID CONTACT WITH EYES.SKIN AND CLOTHES.WASH THROUGHLY AFTER HANDLING. KEEP CONTAINER CLOSED.

5– FIRE AND EXPLOSION HAZARD DATA

-FLASH POINT (CLOSED CUP) : N/A

-FLAMMABLE LIMITS : UPPER – N/A LOWER – N/A

-FIRE EXTINGUISHING MEDIA

USE WATER FOG, CARBON DIOXIDE, FOAM OR DRY CHEMICAL.

- SPECIAL FIRE – FIGHTING PROCEDURES: -

- FIRE FIGHTERS SHOULD WEAR PROPER PORTECTIVE EQUIPMENT AND SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE PIECE OPERATED IN POSITIVE PRESSURE MODE.

- TOXIC GASES PRODUCED: - CARBON MONOXIDE, CARBON DIOXIDE

6. ACCIDENTAL RELEASE MEASURES:

SWEEP UP AND PLACE IN SUITABLE (FIBREBOARD) CONTAINERS FOR RECLAMATION OR LATER DISPOSAL.

7-. HANDLING AND STORAGE:

STORE IN COOL DRY PLACE. DONOT GET IN EYES OR SKIN OR CLOTHING
WASH THROUGHLY AFTER HANDLING.

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION:

-VENTILATION: USE ADEQUATE GENERAL OR LOCAL EXHAUST VENTILATION TO
KEEP FUMES OF DUST LEVELS AS LOW AS POSSIBLE.

-RESPIRATORY PROTECTION: A RESPIRATOR WITH DUST/MIST FILTER IS
RECOMMENDED.

IF AIRBORNE CONTAMINATION EXCEEDS CAPACITY OF RESPIRATOR THEN SELF
CONTAINED BREATHING APPARATUS IS ADVISED.

-EYE/SKIN PROTECTION: SAFETY GOGGLES AND FACE SHIELD, UNIFORM
PROTECTIVE
SUIT, RUBBER GLOVES ARE RECOMMENDED.

9- PHYSICAL AND CHEMICAL PROPERTIES :

BOILING POINT	: N/A	VAPOR PRESSURE (MM HG): N/A
MELTING POINT	: N/A	DECOMPOSES VAPOR DENSITY (AIR=1): N/A
SPECIFIC GARVITY	: N/A	EVAPORATION RATE: N/A
(H2O =1)		(BUTYL ACETATE=1)
SOLUBILITY (H2O)	: APPRICIABLE (MORE THAN 10%) % VOLATILES BY	
VOLUME : NIL		
APPEARANCE & ODOUR : BROWNISH-RED ODORLESS POWER		

10- RECTIVITY DATA:

1. STABILITY : STABLE,
2. HAZARDOUS POLYMERIZATION: WILL NOT OCCOUR
3. CONDITION TO AVOID : HIGH TEMPERATURES
4. INCOMPATIBLES : STRONG OXIDIZING
AGENTS
5. DECOMPOSITION PRODUCTS : CARBON MONOXIDE, CARBON DIOXIDE.

11- TOXICOLOGICAL INFORMATION:

-TOXICITY : LD50 (ORAL-MOUSE)(MG/KG) -NOT KNOWN

LD50 (IV-MOUSE) (MG/KG) -NOT KNOWN

- CARCINOGENICITY: NTP: NO IARC: NO ZLIST: NO OSHA REG: NO

- EFFECTS OF OVEREXPOSURE:

INHALATION OF DUST MAY CAUSE IRRITATION TO
UPPER RESPIRATORY TRACT. CONTACT WITH SKIN OR EYES MAY CAUSE
IRRITATION.

- TARGET ORGANS: NONE IDENTIFIED.

- MEDICAL CONDITION GENERALLY AGGRAVATED BY EXPOSURE

- NONE IDENTIFIED.

- ROUTES OF ENTRY: INHALATION, INGESTION, SKIN CONTACT, EYE CONTACT

- EMERGENCY AND FIRST AID PROCEDURE:
- INGESTION : IF SWALLOWED AND THE PERSON IS CONSCIOUS, IMMEDIATELY GIVE LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION.
- INHALATION : IF A PERSON BREATHES IN LARGE AMOUNTS, MOVE THE EXPOSED PERSON TO FRESH AIR. GET MEDICAL ATTENTION.
- EYE CONTACT : IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.
- SKIN CONTACT : IMMEDIATELY WASH WITH PLENTY OF SOAP AND WATER AT LEAST 15 MINUTES.

12- ECOLOGICAL INFORMATION: NOT ESTABLISHED**13 – DISPOSAL CONSIDERATION :**

DISPOSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS.

14- TRANSPORT INFORMATION

DEPT. OF TRANSPORTATION: Not regulated under the Transport of Dangerous Goods Act.

DOT CLASSIFICATION: Not applicable

DOT PROPER SHIPPING NAME: Not applicable

OTHER DOT INFORMATION: Not applicable

OTHER REGULATORY REQUIREMENT: Not available

15- REGULATORY INFORMATION:

MANUFACTURED AS PER OUR OWN SPECIFICATION EACH COUNTRY HAVING OWN LAWS ON COLOURING OF FOOD STUFFS, COLOUR PERMITTED AND OTHER PURITY STANDARD.

16- OTHER INFORMATION:

INFORMATION CONTAINED IN THIS MATERIAL DATA SHEET IS BELIEVED TO BE RELIABLE BUT NO REPRESENTATION, GUARANTEE OR WARRANTIES OF ANY KIND ARE MADE AS TO ITS ACCURACY, SUITABILITY FOR A PARTICULAR APPLICATION OR RESULTS TO BE OBTAINED FROM THEM. IT IS UP TO THE CONSUMER TO ASSURE THAT THE INFORMATION CONTAINED IN THE MATERIAL SAFETY DATA SHEET IS RELEVANT TO THE PRODUCT MANUFACTURED/HANDLED OR SOLD BY HIM/THEM AS THE CASE MAY BE. ALL THE ABOVE INFORMATION SHALL BE USED ONLY AS A GUIDE. **CHEMPOL SP. Z O.O.** MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, IN RESPECT OF THIS DOCUMENTS FOR ANY PARTICULAR PURPOSE AND SHALL NOT BE LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT.