

# STANDARD FUSEE CORPORATION

## ORION SAFETY PRODUCTS

### MATERIAL SAFETY DATA

- RAILWAY & HIGHWAY FUSEES

- ORION MARINE SIGNAL PRODUCTS

EMERGENCY CONTACT:  
CHEMTREC 1-800-424-9300

#### SECTION I - IDENTIFICATION

CHEMICAL NAMES & SYNONYMS: **SODIUM FLUORESCEIN DYE MARKER**

CHEMICAL FAMILY: URANINE DYE

FORMULA: MIXTURE

TRADE NAME: **GREEN DYE MARKER**

DESCRIPTION: PLASTIC BOTTLE CONTAINING GREEN/YELLOW WATER-ACTIVATED DYE.

CAS NO.: NONE ASSIGNED/MIXTURE

#### SECTION II - HAZARDOUS INGREDIENTS

BASIC MATERIAL	OSHA P.E.L	LD 50	LC 50	SIGNIFICANT EFFECTS
SODIUM FLUORESCEIN C.A.S.# 518-47-8	NONE EST.	NO DATA	NO DATA	STRONG DYE WILL COLOR ALL EXPOSED AREAS. NO SIGNIFICANT HEALTH EFFECTS ARE REPORTED BEYOND IRRITATION.
SODIUM BICARBONATE C.A.S. # 144-55-8	NONE EST.	7.3g/kg	4.74 mg/liter	NONE EXPECTED BEYOND NUISANCE DUST.
ADIPIC ACID C.A.S. # 124-04-9	NONE EST.	>1000mg/kg	NO DATA	ACGIH-TLV = 5mg/m <sup>3</sup> TWA

#### SECTION III - NORMAL HANDLING PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: **KEEP ITEMS OUT OF THE REACH OF CHILDREN!!**

MATERIAL IS HIGHLY SOLUBLE IN WATER AND THE DUST HAS A GREAT ABILITY TO MIGRATE. STORE MATERIAL IN A COOL, DRY PLACE IN THE ORIGINAL CONTAINER. THE DYE PRESENTS NO SIGNIFICANT HEALTH HAZARD. MATERIAL SPILLS SHOULD BE ABSORBED IN MATERIAL SUCH AS FLOOR SWEEP AND DISPOSED OF ACCORDING TO LOCAL REGULATIONS. THE MATERIAL IS NOT CONSIDERED TO BE A HAZARDOUS WASTED BY EPA CRITERIA. AFTER ALL MATERIAL HAS BEEN THOROUGHLY CLEANED UP, WASH AREA WITH SOAP AND RINSE WITH PLENTY OF WATER. MATERIAL IS COMPLETELY GONE WHEN NO ADDITIONAL GREEN COLOR IS DETECTED IN WASH WATER.

PROTECTIVE EQUIPMENT  
GOGGLES OR PROTECTIVE GLASSES, IMPERVIOUS GLOVES, AND FULL-COVERAGE CLOTHING.

VENTILATION REQUIREMENTS  
GENERAL VENTILATION SHOULD BE SUFFICIENT TO PREVENT NUISANCE DUST.

#### SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT/METHOD: N/A  
CONTENTS: >167°F (OVEN)

OSHA CLASSIFICATION:  
NON-HAZARDOUS

FLAMMABLE EXPLOSIVE LIMITS:  
UPPER: NONE ESTAB. LOWER: NONE ESTAB.

EXTINGUISHING MEDIA: USE FOAM OR DRY CHEMICAL.

SPECIAL FIRE HAZARD & FIRE FIGHTING PROCEDURES: USE NIOSH/MSHA APPROVED POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS WHEN ANY MATERIAL IS INVOLVED IN FIRE. AS WITH ANY ORGANIC POWDER, THIS MATERIAL MAY BE CAPABLE OF A DUST EXPLOSION. AVOID DUST/AIR SUSPENSIONS.

#### SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: NONE ESTABLISHED FOR THE MIXTURE.

SYMPTOMS OF OVER EXPOSURE: NONE KNOWN. CONTACT WITH MATERIAL MAY DYE SKIN AND/OR DISCOLOR PERSPIRATION AND URINE. NO ADVERSE HEALTH EFFECTS ARE EXPECTED.

SKIN: IMMEDIATELY WASH WITH SOAP AND WATER. CALL A PHYSICIAN IF IRRITATION OCCURS.

EYES: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES, CALL A PHYSICIAN.

INGESTION: CALL A PHYSICIAN IMMEDIATELY

INHALATION: IMMEDIATELY REMOVE VICTIM TO FRESH AIR. CALL A PHYSICIAN.

**SECTION VI - TOXICOLOGY (PRODUCT)**

ACUTE ORAL LD 50: NOT ESTABLISHED	CARCINOGENICITY: NOT KNOWN TO BE CARCINOGENIC
	MUTAGENICITY: NOT KNOWN TO BE MUTAGENIC
ACUTE DERMAL LD 50: NOT ESTABLISHED	EYE IRRITATION: MAY BE AN IRRITANT
ACUTE INHALATION LD 50: NOT ESTABLISHED	PRIMARY SKIN EFFECT: MAY BE AN IRRITANT
PRINCIPLE ROUTES OF ABSORPTION: INHALATION; DERMAL CONTENT, INGESTION	
EFFECTS OF ACUTE EXPOSURE: NONE KNOWN BEYOND DYE EFFECT OR POSSIBLE NUISANCE DUST.	
EFFECTS OF CHRONIC EXPOSURE: NONE KNOWN OR REPORTED	

**SECTION VII - SPILL AND LEAKAGE PROCEDURES (Control Procedures)**

**ACTION FOR MATERIAL RELEASE OR SPILL:** ABSORB MATERIAL ONTO FLOOR SWEEP. CLEAN AREA IN A MANNER SO AS TO MINIMIZE DUST. WEAR GLOVES, SAFETY GLASSES/GOGGLES, AND FULL-COVERAGE CLOTHING TO MINIMIZE EXPOSURE AND DYE EFFECTS. FOR LARGE SPILLS, A DUST MASK IS RECOMMENDED

**TRANSPORTATION EMERGENCY, CALL CHEMTREC 1-800-424-9300**

**WASTE DISPOSAL METHOD:** Dispose of contaminated product, EMPTY CONTAINER AND MATERIALS USED IN CLEANING UP SPILLS OR LEAKS IN A MANNER APPROVED FOR THIS MATERIAL. CONSULT APPROPRIATE FEDERAL, STATE AND LOCAL REGULATORY AGENCIES TO ASCERTAIN PROPER DISPOSAL PROCEDURES. THIS MATERIAL IS NOT CONSIDERED TO BE A HAZARDOUS WASTE AND NO SPECIAL DISPOSAL REQUIREMENTS ARE EXPECTED.

**SECTION VIII - SHIPPING DATA**

**D.O.T. CLASS (DOMESTIC):** NON-HAZARDOUS. THERE ARE NO SPECIAL SHIPPING REQUIREMENTS.

**INTERNATIONAL CLASS & DOMESTIC AIR:** NON-HAZARDOUS. THERE ARE NO SPECIAL SHIPPING REQUIREMENTS.

**SECTION IX - REACTIVITY DATA**

STABLE <input checked="" type="checkbox"/> UNSTABLE <input type="checkbox"/>	@ _____ °C _____ °F	HAZARDOUS POLYMERIZATION	MAY OCCUR
			WILL NOT OCCUR <input checked="" type="checkbox"/>
<b>CONDITIONS TO AVOID:</b> HIGH HEAT, IGNITIONS SOURCES OF ANY KIND, WATER AND/OR HIGH MOISTURE.			
<b>INCOMPATIBILITY (MATERIAL TO AVOID):</b> NONE KNOWN			
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> NITROGEN OXIDES, CARBON DIOXIDE / CARBON MONOXIDE.			

**SECTION X - PHYSICAL DATA**

MELTING POINT: >290°F	VAPOR PRESSURE: NO DATA	VOLATILES: NO DATA
BOILING POINT: N/A	SOLUBILITY IN WATER: HIGHLY SOLUBLE	EVAPORATION RATE: NO DATA
SPECIFIC GRAVITY (H <sub>2</sub> O = 1): NO DATA	pH NO DATA	VAPOR DENSITY (AIR = 1): NO DATA

INFORMATION FURNISHED BY:

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