Fluorescein, Sodium Salt

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Section 1

Product Description

Product Name: Recommended Use: Synonyms: Distributor: Fluorescein, Sodium Salt Science education applications Acid Yellow 73; Uranine; C.I. #45350 Carolina Biological Supply Company 2700 York Road, Burlington, NC 27215 1-800-227-1150 800-227-1150 (8am-5pm (ET) M-F) 800-424-9300 (Transportation Spill Response 24 hours)

Chemical Information: Chemtrec:

Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

No known OSHA hazards.

GHS Classification:

Section 2

Other Safety Precautions:

Not a dangerous substance according to GHS classification criteria.

Composition / Information on Ingredients

First Aid Measures

Chemical Name
Fluorescein, Sodium Salt

<u>CAS #</u> 518-47-8 <u>%</u> 100

Section 4

Section 3

Emergency and First Aid Procedures

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Inhalation:	In case of accident by inhalation: remove casualty to fresh air and keep at rest.		
Eyes:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.		
Skin Contact:	After contact with skin, wash immediately with plenty of water.		
Ingestion:	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.		

Section 5

Firefighting Procedures

Extinguishing Media: Fire Fighting Methods and Protection:	Use media suitable to extinguish surrounding fire. Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.				
Fire and/or Explosion Hazards:	Fire or excessive heat may produce hazardous decomposition products. Explosive when mixed with oxidising substances.				
Hazardous Combustion Products:	Carbon dioxide, Carbon monoxide, Sodium Oxides				
Section 6	Spill or Leak Procedures				

Steps to Take in Case Material Is Released or Spilled: No health affects expected from the clean-up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section 8 of this (M)SDS Avoid the generation of dusts during clean-up. Avoid contact with material, avoid breathing dusts or fumes, use only in a well ventilated area. Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation. Vacuum or sweep up material and place in a disposal container Reduce airborne dust and prevent scattering by moistening with water Avoid runoff into storm sewers and ditches that lead to waterways. Contain the discharged material.

Section 7

Handling and Storage

Handling: Keep container tightly closed in a cool, well-ventilated place. Avoid direct sunlight and heat. Storage: Keep container tightly closed in a cool, well-ventilated place. Avoid direct sunlight and heat. Green - general chemical storage Storage Code:

Section 8

Protection Information

	ACGIH		OSHA PEL	
Chemical Name	<u>(TWA)</u>	(STEL)	<u>(TWA)</u>	(STEL)
No data available	N/A	N/A	N/A	N/A
Control Parameters				
Engineering Measures:	No exposure limits exist for the constituents of this product. No engineering controls are likely to be required to maintain operator comfort under normal conditions of use.			
Personal Protective Equipment (PPE):	Lab coat, apron, eve wash, safety shower.			
Respiratory Protection:	No respiratory protection required under normal conditions of use.			
Eye Protection:	Wear chemical splash goggles when handling this product. Have an eye wash station available.			
Skin Protection:	Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.			
Gloves:	Nitrile			

Section 9

Formula: C20H10O5 * 2Na Molecular Weight: 376.28 Appearance: Amber Crystals Odor: None Odor Threshold: No data available pH: ca.8.3 at 10 g/l at 20 °C

Melting Point: No data available Boiling Point: No data available Flash Point: No data available Flammable Limits in Air: N/A

Section 10

Physical Data

Vapor Pressure: N/A Evaporation Rate (BuAc=1): N/A Vapor Density (Air=1): N/A Specific Gravity: N/A Solubility in Water: Soluble Log Pow (calculated): -0.67 - The preceding data, or interpretation of data, was determined using Quantitative Structure Activity Relationship (QSAR) modeling. Autoignition Temperature: No data available Decomposition Temperature: No data available Viscosity: No data available Percent Volatile by Volume: N/A

Reactivity Data

Reactivity: **Chemical Stability: Conditions to Avoid: Incompatible Materials:** Hazardous Decomposition Products: Hazardous Polymerization:

Not generally reactive under normal conditions. Stable under normal conditions. Exposure to moisture Strong oxidizing agents Sodium Oxides, Carbon dioxide, Carbon monoxide Will not occur

Section 11

Toxicity Data

Routes of Entry Symptoms (Acute): **Delayed Effects:**

Inhalation, ingestion, eye or skin contact. No data available No data available

Acute Toxicity: **Chemical Name**

CAS Number

Oral LD50

Dermal LD50

Inhalation LC50

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Fluorescein, Sodium Salt	5	18-47-8	Oral LD50 Mo 4738 mg/kg Oral LD50 Ra 6721 mg/kg		rmined N	lot determined
Carcinogenicity: Chemical Name No data available	5	CAS Number 18-47-8	IARC Not listed	Not listed	ITP d N	OSHA lot listed
Chronic Effects: Mutagenicity: Teratogenicity: Sensitization: Reproductive: Target Organ Effects: Acute: Chronic:	No evidence of a mutagenic effect. No evidence of a teratogenic effect (birth defect). No evidence of a sensitization effect. No evidence of negative reproductive effects. No data available No data available					
Section 12		Ec	ological D	Data		
Overview:		al hazard. In high c ut of waterways.	concentrations, t	his product may b	be dangerous t	o plants and/or
Mobility: Persistence: Bioaccumulation: Degradability: Other Adverse Effects:	No data No data No data No data No data No data					
Chemical Name N/A	-	AS Number E 18-47-8	co Toxicity			
Section 13		Dispo	sal Inforr	nation		
Disposal Methods: Waste Disposal Code(s)	contact	e in accordance wi a permitted waste termined				itions. Always
Section 14		Trans	port Infor	mation		
Ground - DOT Proper SI Not regulated for transport				oper Shipping Na for air transport b		
Section 15		Regula	atory Info	rmation		
TSCA Status:	All components in this product are on the TSCA Inventory.					
Chemical Name	CAS Number	§ 313 Name	§ 304 RQ	CERCLA RQ	§ 302 TPQ	CAA 112(2) TQ
No data available	518-47-8	No	No	No	No	No
Section 16		Additio	onal Infor	mation		
Revised: 09/09/2015	Ponl	aces: 02/25/2015		Printed: 10	1-20-2015	

The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

Glossary

ACGIH	American Conference of Governmental Industrial Hygienists	NTP OSHA	National Toxicology Program Occupational Safety and Health Administration
CAS	Chemical Abstract Service Number	PEL	Permissible Exposure Limit
CERCLA	Comprehensive Environmental Response,	ppm	Parts per million
	Compensation, and Liability Act	RCRA	Resource Conservation and Recovery Act
DOT	U.S. Department of Transportation	SARA	Superfund Amendments and Reauthorization Act
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
N/A	Not Available	TSCA	Toxic Substances Control Act
		IDLH	Immediately dangerous to life and health