

## **MSDS** MATERIAL SAFETY DATA SHEET

### **Section 1 - Chemical Product and Company Identification**

**Name:** Fluorescein Sodium

**Synonyms:** Fluorescein; C.I. 45350; C.I. Acid Yellow 73, D & C Yellow 8

**Address -**

**Siddhichem Industries**

Plot No. N-18, M.I.D.C. Tarapur, Dist: Palghar

Boisar: 401506. Maharashtra. INDIA

**Telefax:** +91-2525-661132

**Email address:** [info@siddhichem.com](mailto:info@siddhichem.com)

### **Section 2 - Composition, Information on Ingredients**

**Hazardous:** No

**Hazard Symbols:** None listed

**Risk Phrases:** None listed

### **Section 3 - Hazards Identification**

**EMERGENCY OVERVIEW**

*Hygroscopic (absorbs moisture from the air).*

**Potential Health Effects**

**Eye:** May cause mild eye irritation.

**Skin:** May cause mild skin irritation.

**Ingestion:** Ingestion of large amounts may cause gastrointestinal irritation.

**Inhalation:** Inhalation of dust may cause respiratory tract irritation.

**Chronic:** No Information found.

### **Section 4 - First Aid Measures**

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.

**Skin:** Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

**Ingestion:** If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid if irritation or symptoms occur.

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

**Notes to Physician:** -

### **Section 5 - Fire Fighting Measures**

**General Information:**

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion.

**Extinguishing Media:**

Use water spray, dry chemical, carbon dioxide, or appropriate foam.

### **Section 6 - Accidental Release Measures**

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Provide ventilation.

### **Section 7 - Handling and Storage**

**Handling:** Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

**Storage:** Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture.

### **Section 8 - Exposure Controls, Personal Protection**

**Engineering Controls**

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

**Personal Protective Equipment**

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

# MSDS

## MATERIAL SAFETY DATA SHEET

### Section 9 - Physical and Chemical Properties

Physical State: Powder  
Color: Reddish-orange  
Odor: odorless  
pH (1% aq.): 7-9  
Vapor Pressure: Not applicable  
Viscosity: Not applicable  
Boiling Point: Not applicable  
Freezing/Melting Point: 320 deg C ( 608.00°F)  
Auto-ignition Temperature: Not available  
Flash Point: Not applicable.  
Explosion Limits: Lower: Not available  
Explosion Limits: Upper: Not available  
Decomposition Temperature: Not available  
Solubility in water: Soluble  
Specific Gravity/Density: Not available  
Molecular Formula: C<sub>20</sub>H<sub>10</sub>O<sub>5</sub>.2Na  
Molecular Weight: 376.27 gm/mole

### Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.  
Conditions to Avoid: Moisture.  
Incompatibilities with Other Materials: Strong oxidizing agents.  
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, sodium oxide.  
Hazardous Polymerization: Will not occur.

### Section 11 - Toxicological Information

RTECS#: CAS# 518-47-8: LM5425000  
LD50/LC50: RTECS: CAS# 518-47-8.: Oral, mouse: LD50 = 4738 mg/kg;  
Oral, rat: LD50 = 6721 mg/kg  
Carcinogenicity: Fluorescein Sodium - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

### Section 12 - Ecological Information

Not Available

### Section 13 - Disposal Considerations

Products considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location. Contact a specialist disposal company or the local authority or advice.  
Empty containers must be decontaminated before returning for recycling.

### Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	Not Regulated	Not Regulated	Not Regulated

### Section 15 - Regulatory Information

European/International Regulations  
European Labeling in Accordance with EC Directives  
Hazard Symbols: None listed  
Risk Phrases: None listed  
Safety Phrases: S 24/25 Avoid contact with skin and eyes.  
WGK (Water Danger/Protection) CAS# 518-47-8  
Canada: CAS# 518-47-8-1 is listed on Canada's DSL list  
US Federal  
TSCA  
CAS# 518-47-8 is listed on the TSCA Inventory.

### Section 16 - Other Information

MSDS Creation: 01/06/2014

#### *Disclaimer -*

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.*