



Material Safety Data Sheet

H-NU 635
Developmental Visible Light Photoinitiator
Experimental Product
For Research & Development Purposes only!

EMERGENCY PHONE

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I. IDENTIFICATION:

Name: 2,4,5,7-Tetraiodo-3-hydroxy-9-cyano-6-fluorone
Formula: $C_{14}H_2I_4NO_3$
CAS #: 144735-94-4
Synonyms: TIHCF, H-Nu 635

II. TOXICITY AND HEALTH HAZARD DATA

- A. EXPOSURE LIMITS:
 - . Data Unknown
- B. EXPOSURE EFFECTS:
 - . Inhalation: Data Unknown.
 - . Skin: Data Unknown.
 - . Eyes: Data Unknown.
 - . Ingestion: Data Unknown.
- C. TOXICITY DATA:
 - . Ames Test: Data Unknown.
 - . Eye Irritation: Data Unknown.
 - . Skin Irritation: Data Unknown.
 - . Oral: Data Unknown.
- D. FIRST AID:
 - . Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen.
 - . Skin: In case of contact, immediately flush affected area with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes.
 - . Eyes: Any material that contacts the eye should be washed out immediately with water for 15 minutes. Get medical attention if symptoms occur.
 - . Ingestion: If swallowed, call a physician

III. PHYSICAL DATA

- . Appearance: Blue Solid (store in refrigerator when not in use)
- . Molecular Weight: 741
- . Melting Point: $>270^{\circ}C$
- . Vapor Pressure: Negligible
- . Evaporation Rate (n butyl acetate = 1): Negligible

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- . Specific Gravity: Not available
- . Solubility in Water: Very low

IV. FIRE AND EXPLOSION HAZARD DATA

- . Flash Point: Not Available
- . Extinguishing Media: Water spray; dry chemical; carbon dioxide
- . Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.
- . Unusual Fire and Explosion Hazards: Fire or excessive heat may produce hazardous decomposition products.

V. REACTIVITY DATA

- . Stability: Stable
- . Hazardous Decomposition Products: Could produce oxides of carbon.
- . Hazardous Polymerization: Will not occur.

VI. SPECIAL STORAGE AND HANDLING PRECAUTIONS

- . Wear appropriate NIOSH/MSHA-approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.
- . Safety shower and eye bath.

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

- . Sweep up material and package for safe feed to an incinerator.
- . Dispose by incineration or by contact with licensed chemical waste disposal agency that will incinerate it. Discharge treatment or disposal may be subject to federal, state or local laws.
- . If already mixed in a monomer resin with coinitiator, dispose of by curing with light until it polymerizes and then simply throw it away.
- . **Under no circumstances should this product be released into public waterways as it believed to be toxic to aquatic organisms.**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The aforementioned compound is an experimental compound and no extensive toxicological experimentation has been conducted on it. Therefore users should treat the material with appropriate caution. SGL shall not be held liable for any damage resulting from handling or from contact with the above product.