

# UptiLight HRP Substrate

## MATERIAL SAFETY AND DATA SHEET

Section 1 Chemical Product and Company Identification	
<b>Name</b>	UptiLight HRP WB Chemiluminescent Substrate Cat.# UP99619A, UP99619D
<b>Synonyms</b> (CAS, chemical names, tradename, abbreviates...)	ECL Luminol/enhancer reagent (Reagent A) Peroxide solution (Reagent B)
<b>Company identification</b>	UPTIMA-INTERCHIM 213 J.F.Kennedy, 03100 Montluçon (FRANCE) Tel. :+33 (0)4 70 03 88 55 Fax: +33 (0)4 70 03 82 60 e-mail: <a href="mailto:uptima@interchim.com">uptima@interchim.com</a>
<b>In case of Emergency</b>	In Europe: Call UPTIMA-INTERCHIM out of office: Centre anti Poisons de Lyon In US: call CHEMTREC Refer to the instruction booklet for proper and intended use. Otherwise, contact supplier for specific applications. Tel.: +33 4 70 03 88 55 Tel.: +33 4 72 11 69 11 Tel.: 800;424;9300

Section 2 Composition, Information on hazardous Ingredients	
<b>Component</b>	<b>Hazardous ingredients</b> (Identification, CAS, Name...)
#UP99619 – Substrate kit Reagent A: contains Luminol Reagent B: contains Peroxide	To our knowledge, this product does not contain dangerous ingredients in sufficient quantities that would require notification in this section, according to EU and international rules. However, Luminol ingredient was found in US classification (irritating)

Section 3 Hazards Identification	
<b>Label precautionary statement</b>	To our knowledge, this product does not contain dangerous ingredients in sufficient quantities that would require safety label according the European statement N°1999/45/CE
<b>Emergency overview</b>	In case of contact, rinse immediately with plenty of water. See section 4. In case of contact with mucous membranes or eyes, seek medical advice.
<b>Acute health effects</b> (Eye, Skin, Ingestion, Inhalation, Chronic)	Reagent A: Potentially irritating to respiratory system, skin, and eyes.
<b>Other information</b> (over-exposure, toxicity...)	See section 11
<b>Precautionary guidelines</b>	Wear suitable protective clothing, gloves and goggles. See sections 7 and 8.

Section 4 First aid Measures	
<b>Emergency first aid measures</b> (Eyes, Skin, Ingestion, Inhalation...)	In case of contact, wash skin with soap and copious amounts of water. Remove reagent-wetted clothes and wash well before re-use. In case of contact with eyes or mucous membranes, immediately flush eyes with copious amounts of water for at least 15 minutes. If inhaled, remove to fresh air. If not breathing place the victim in the recovery position. If required give artificial respiration (mouth to mouth breathing may be hazardous). If breathing is difficult, give oxygen. If swallowed, wash out mouth with water provided person is conscious. Call a physician. Wash contaminated clothing before reuse.

Section 5 Fire Fighting Measures	
<b>Physical Information</b> (Flammability, auto-ignition, flash point...)	Non Flammable; emits toxic fumes under fire conditions The container may burst if heated, and is flammable in a fire.

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<b>General information</b>	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
<b>Extinguishing media</b>	Use an extinguishing agent suitable for the surrounding fire (carbon dioxide, dry chemical powder or appropriate foam, water spray)

<b>Section 6 Accidental Release Measures</b>	
<b>General information</b>	Contact safety personal immediately and evacuate area. Wear respirator, chemical safety goggles, boots and heavy gloves. .
<b>Spills and Leaks</b>	Stop leak if without risk. Sweep up, place in a bag and hold for waste disposal. Use absorbents if required. Remove container from spill area. For large leaks especially, avoid dispersal and release into environment. Ventilate area and wash spill site after material pickup is complete.

<b>Section 7 Handling and Storage</b>	
<b>Storage</b>	Store in closed container, in refrigerated and ventilated area. See local regulations.
<b>Handling</b>	Follow good laboratory practices. Refer to section 8.

<b>Section 8 Exposure Controls, Personal Protection</b>	
<b>Engineering controls</b>	Does not require special equipment for intended use and according to good laboratory practices (access to safety shower and eye bath)
<b>Personal protection (eyes, hands, body, respiratory...)</b>	Follow operating guidelines in the instruction sheet, and good laboratory practices (Wear gloves. Do not breathe vapor or mist. Do not ingest. Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling. Keep tightly closed.)

<b>Section 9 Physical and Chemical Properties</b>	
<b>Physical state / Appearance</b>	Reagent A: Liquid, colorless, odorless Reagent B: Liquid
<b>Other (pH, Melting/Freezing Point, Vapor Pressure, Vapor Density, Volatility, Boiling Point, Viscosity, Flash point, Auto-ignition temperature, Explosion limits (low.Upp.), Specific Gravity / Density, Molecular Formula /MW</b>	T <sub>eb.</sub> ca 100°C Freezing: ca 0°C Explosion risk: no Solubility: fully soluble in cold aqueous water, methanol, acetone

<b>Section 10 Stability and Reactivity</b>	
<b>Incompatibilities (conditions, materials...)</b>	Stable product. Under normal conditions of storage and use, hazardous decomposition products should not be produced. No known conditions or material to avoid.
<b>Decomposition polymerisation (conditions, materials...)</b>	Hazardous combustion or decomposition may produce (A) carbon oxides, nitrogen oxides. Hazardous polymerisation will not occur.

<b>Section 11 Toxicological Information</b>	
<b>Toxicity</b>	No known important effect or critical danger known.
<b>Chronic effects (carcinogenicity, teratogenicity, reproductive toxicity, mutagenesis)</b>	ACUTE EFFECTS / CHRONIC EFFECTS / TARGET ORGAN(S) / CARCINOGENICITY / MUTAGENICITY / OTHER TOXICITY: No known important effect or critical danger known. See section 3. Reagent A contains a compound classified in US as irritant and potentially having target organ effects.
<b>Remarks (RTECS...)</b>	See actual entry in RTECS for complete information RTECS #: ED4550000

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Section 12 Ecological Information	
<b>Ecotoxicity (BOD5, COD...)</b>	Not available
<b>Biodegradation</b>	
<b>Mobility</b>	(See section 6 for accidental measures)
Section 13 Disposal Considerations	
<b>Remarks</b>	Observe all federal, state and local environmental regulations. (See section 7 for handling/storage)
Section 14 Transport Information	
<b>Classifications (Other classifications)</b>	Not regulated for transportation according to European rules.
Section 15 Regulatory Information	
<b>Classification Europe</b>	Not classified according to our knowledge. See section 3. Use & labeling (R/S phrases): conform to EU rules n°67/548/CEE and 1999/45/CE Custom position (statistic classification): 38220000
<b>Other classifications</b>	Reagent A contains a compound classified in US as irritant and potentially having target organ effects.
Section 16 Additional Information	
<b>MSDS validation</b>	UPTIMA-INTERCHIM, H09E
<b>Comment</b>	<i>For R&amp;D or manufacturing use only. 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 way 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</i>