

Material Safety Data Sheet

Date Created 07/11/2009
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Version 1.1

Section 1-Product information

Product name LumiSensor™ HRP Substrate Kit
Product Cat. No. L00221V60, L00221V300, L00221V500

Section 2-Composition / information on ingredients

Substance/Preparation: Preparation
Ingredient Name LumiSensor™ HRP Substrate Kit

Section 3- Hazards identification

Physical/chemical hazards Harmful
Human health hazards Harmful if swallowed
Irritating to eyes and skin
NFPA ratings (scale 0 – 4) Health Rating: 2
Reactivity Rating: 1
Contact Rating: 3 - Severe (Corrosive)

Section 4- First-aid measures

First-aid measures
Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin Contact In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Eye Contact Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Aggravating conditions Repeated or prolonged exposure is not known to aggravate medical condition.

Section 5- Fire-fighting measures

Flammability of the Product May be combustible at high temperature.
Extinguishing Media
Suitable SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Hazardous thermal (de)composition products These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...).
Special fire-fighting procedures Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
Protection of fire-fighters Be sure to use an approved/certified respirator or equivalent.

Section 6- Accidental release measures

Personal precautions Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Small Spill and Leak Use appropriate tools to put the spilled solid in a convenient waste disposal container.
Large Spill and Leak Use a shovel to put the material into a convenient waste disposal container.

Section 7-Handling and storage

Handling	Avoid Inhalation
Storage	Keep at 2 - 8°C
Packaging materials	
Recommended use	Use original container

Section 8-Exposure controls/personal protection

Engineering measures	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Hygiene measures	Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.
Personal protective equipment	
Skin and body	Lab coat
Eyes	Safety glasses
Protective Clothing (Pictograms)	



Section 9- Physical and chemical properties

Physical state	Liquid
Color	Not available
Molecular Weight	Not available
Solubility	Not available
Flash point	Not available
Explosive properties	Risks of explosion of the product in presence of mechanical impact: Not available Risks of explosion of the product in presence of static discharge: Not available

Section 10- Stability and reactivity

Stability	The product is stable.
Hazardous Decomposition Products	These products are carbon oxides (CO, CO ₂), nitrogen oxides (NO, NO ₂ ...)

Section 11- Toxicological information

RTECS #	N/A
Acute toxicity	LD50: Not available LC50: Not available
Chronic toxicity	Repeated or prolonged exposure is not known to aggravate medical condition.
Other Toxic Effects on Humans	Not available No specific information is available in our database regarding the other toxic effects of this material for humans. Not available To the best of our knowledge, the toxicological properties of this product have not been thoroughly investigated.
Carcinogenic effects	Not available
Mutagenic effects	Not available
Reproduction toxicity	Not available
Teratogenic effects	Not available

Section 12- Ecological information

Ecotoxicity	Not available
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Toxicity of the Products of Biodegradation

The product itself and its products of degradation are not toxic.

Section 13- Disposal considerations

Methods of disposal; Waste of residues; Contaminated Packaging Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14- Transport information

International transport regulations

Land - Road/Railway

ADR/RID Class

Not controlled under ADR (Europe)

Sea

IMDG Class

Not controlled under IMDG

Air

IATA-DGR Class

Not controlled under IATA

Special Provisions for Transport

Not applicable

Section 15- Regulatory information

EU Regulations

Risk Phrases

U.S. Federal Regulations

This product is not classified according to the EU regulations.

TSCA: No products were found

SARA 302/304/311/312 extremely hazardous substances: No products were found

SARA 302/304 emergency planning and notification: No products were found

SARA 302/304/311/312 hazardous chemicals: No products were found

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found

SARA 313 toxic chemical notification and release reporting: No products were found

Clean Water Act (CWA) 307: No products were found

Clean Water Act (CWA) 311: No products were found

Clean air act (CAA) 112 accidental release prevention: No products were found

Clean air act (CAA) 112 regulated flammable substances: No products were found

Clean air act (CAA) 112 regulated toxic substances: No products were found

HCS Classification

Not controlled under the HCS (United States)

State Regulations

WHMIS (Canada)

Not controlled under WHMIS (Canada)

No products were found

Section 16- Other information

Hazardous Material Information System (U.S.A.)

Health	0
Fire Hazard	1
Reactivity	0
Personal Protection	A

National Fire Protection Association (U.S.A.)



GenScript corporation MSDS is believed to be correct but only used as a guide for experienced personnel, GenScript shall not be held liable for any damage resulting from the handling or from contact with the above product.