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MATERIAL SAFETY DATA SHEET

Part Number/Trade Name: **Cat #316**
Renilla reneformis Green Fluorescent Protein

NL-RR-GFP

General Information

Company's Name: Prolume Ltd., NanoLight Division
Company's Street: 163 W. White Mountain Blvd., Suite D
Company's City: Pinetop
Company's State: Arizona
Company's Country: United States
Company's zip code: 85935
Company's Emergency Phone: 928-358-1343
Company's Information Phone: 928-367-1200
Record No. for Safety Entry: 001
Tot. Safety Entries This Stk #: 001
Status: SMJ
MSDS Serial Number: Cat# 315 NL-RR-GFP
Hazard Characteristic Code: NK

Ingredients/Identity Information

Proprietary: NO
Ingredient: Renilla reneformis Green Fluorescent Protein
Ingredient Sequence Number: 01
Percent:
NIOSH (RTECS) Number: NONE
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Physical/Chemical Characteristics

Appearance And Odor: LIGHT GREEN SOLID (POWDER)
Melting Point: Not determined
Solubility in Water: Soluble

Fire and Explosion Hazard Data

Flash Point: NOT FLAMMABLE, NOT EASILY IGNIGHTED IN ROOM AIR
Extinguishing Media: WATER, DRY CHEMICAL, CARBON DIOXIDE, HALON, OR STANDARD FOAM.

Special Fire Fighting Proc: USE NOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N). NO ACUTE HAZ. MOVE CNTNR FROM FIRE AREA IF POSS. AVOID BREATHING VAPORS/DUST; KEEP UPWIND.
Unusual Fire and Expl. Hazrds: MINIMAL FIRE HAZARD WHEN EXPOSED TO HEAT/FLAME.

Reactivity Data

Stability: STABLE
Cond. To Avoid (Stability): STORE -20C KEEP DRY
Materials To Avoid: Oxidizing agents
Hazardous Decomp. Products: THERMAL DECOMPOSITION MAY RELEASE ACRID SMOKE AND IRRITATING FUMES.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT RELEVANT

Health Hazard Data

LD50-LC50 Mixture: LD50 HAS NOT BEEN DETERMINED YET
Route Of Entry – Inhalation: YES
Route Of Entry – Skin: YES
Route Of Entry – Ingestion: YES
Health Haz Acute And Chronic: USE GOOD LABORATORY TECHNIQUE WHEN HANDLING THIS PRODUCT. MATERIALS & MIXTURES MAY PRESENT UNKNOWN HAZARDS & SHOULD BE USED W/CAUTION. ACUTE HEALTH HAZARDS: INHAL: MAY BE IRRITATING TO RESPIRATORY TRACT & MUCOUS MEMBRANES. EYES: CAN BE EXPECTED TO BE IRRITATING IN DUST FORM. INGEST: MAY BE IRRITATING TO THE GASTROINTESTINAL TRACT.
CHRONIC: (EFFECTS OF OVEREXPOSURE): NONE REPORTED
Suppl. Safety & Health Data: None
Explanation Carcinogenicity: UNKNOWN
Signs/Symptoms of Overexposure: HEALTH HAZ: SKIN: MAY PRODUCE ALLERGIC REACTIONS & DERMATITIS IN SUSCEPTABLE INDIVIDUALS
Med. Cond. Aggravated By Exposure: NONE REPORTED, UNLIKELY UNLESS ALLERGIC
Emergency/First Aid Proc: INHAL: REMOVE TO FRESH AIR IMMEDIATELY. IF BREATHING STOPPED, PERFORMED ARTIFICIAL RESPIRATION. KEEP PERSON WARM & REST. TREAT SYMPTOMS & SUPPORTIVELY. GET MEDICAL ATTENTION IMMEDIATELY. NOT A SKIN IRRITANT. NOT AN EYE IRRITANT. WASH WITH SOAP AND WATER, MAY STAIN SOME FABRICS AND POROUS SURFACES

Precautions for Safe Handling and Use

Steps If Material Released/Spill: NO SPECIAL PRECAUTIONS INDICATED
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
Waste Disposal Method: DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS (FP N). NOT AN ENVIRONMENTAL HAZARD
Precautions-Handling/Storing: NONE SPECIFIED BY MANUFACTURER.

Control Measures

Respiratory Protection: NO SPECIFIC PRECAUTIONS.
Ventilation: NO SPECIFIC PRECAUTIONS.
Protective Gloves: NO SPECIFIC PRECAUTIONS.
Eye Protection: AVOID PROLONGED EXPOSURE TO DUST
Other Protective Equipment: WASH WITH SOAP AND WATER. OR ANY DETERGENT
Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Suppl. Safety & Health Data: NO SPECIFIC TREATMENT REQUIRED IN NON-ALLERGIC INDIVIDUALS. IF SWALLOWED NO TREATMENT REQUIRED. ALLERGIC POTENTIAL: UNLIKELY

Transportation Data

NOT FLAMMABLE
NOT EXPLOSIVE
DOES NOT REQUIRE ANY SPECIAL HANDLING PRECAUTIONS

Disposal Data

NOT AN ENVIRONMENTAL HAZARD
DISPOSAL OF IN SINK OR GENERAL WASTE

Label Data

Label Required: NO
Technical Review Date: 7 March 2012
Label Date: NOT REQUIRED
Label Status: G
Common Name
Chronic Hazard: UNKNOWN
Signal Word: TOXICITY UNKNOWN
Acute Health Hazard – UNKNOWN
Contact Hazard – UNKNOWN
Fire Hazard – Minimal to Nil
Reactivity Hazard – Avoid direct contact with strong oxidizing agents
Special Hazard Precautions: ACUTE – INHALATION: MAY BE IRRITATING TO RESPIRATORY TRACT & MUCOUS MEMBRANES. EYES: MAY BE IRRITATING IN DUST FORM. INGEST: MAY BE SLIGHTLY IRRITATING TO THE GASTROINTESTINAL & MAY PRODUCE ALLERGIC REACTIONS IN CERTAIN INDIVIDUALS.
Protect Eye: Not required
Protect Skin: Not required
Protect Respiratory: Not required
Label Name: PROLUME LTD. NANOLIGHT DIVISION
Label Street: PO Box 2746
Label City: PINETOP
Label State: ARIZONA
Label Zip Code: 85935
Label Country: USA
Label Emergency Number: (928) 358-1343