



# Safety Data Sheet

Preparation Date 01-Nov-2021

Revision date 01-Nov-2021

Revision Number: 2

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### Identification of the product

**Product Description** VACCIPLANT®

### Other means of identification

**Internal SDS code** 12A-1027  
**Registration number(s)** 70506-608

### Recommended use of the chemical and restrictions on use

**Recommended use** Stimulant of defense reactions (fungal diseases).

**Uses advised against** Non labeled activities

### Details of the Supplier of the Safety Data Sheet

#### Supplier Address

UPL NA Inc.  
630 Freedom Business Center  
Suite 402  
King of Prussia, PA 19406

#### Emergency telephone number

**Company Phone Number** 1-800-438-6071  
**Emergency telephone number** Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887  
Medical: Rocky Mountain Poison and Drug Safety (866) 673-6671 (24hrs)

## 2. Hazards Identification

### Classification

#### OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation	Category 2A
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### Label elements

#### EMERGENCY OVERVIEW

#### WARNING

#### Hazard Statements

Causes serious eye irritation



**Appearance** no data available

**Physical state** Liquid

**Odor** Slight

**Precautionary Statements - Prevention**

Wash hands thoroughly after handling

Wear eye/face protection

Wear protective gloves

IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a POISON CENTER or doctor/physician

**Hazards Not Otherwise Classified (HNOC)**

None identified

**OTHER INFORMATION****3. Composition/information on Ingredients**

Chemical name	CAS No	Weight-%
Laminarin	9008-22-4	3.51
Methyl paraben	99-76-3	0.1
Potassium sorbate	24634-61-5	0.1
decyl D-glycoside	54549-25-6	1.5
Glycerine	56-81-5	5

If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

**4. First aid measures****FIRST AID MEASURES****Eye contact**

IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or doctor for treatment advice.

**Skin contact**

Wash off immediately with soap and plenty of water for at least 15 minutes. Discontinue use if irritation and redness develop. If condition persists for more than 72 hours consult a doctor.

**Inhalation**

If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**Ingestion**

Do NOT induce vomiting. Call a physician or poison control center immediately. Rinse mouth.

**Most Important Symptoms and Effects, Both Acute and Delayed****Most Important Symptoms and Effects**

Causes moderate eye irritation.

**Indication of Any Immediate Medical Attention and Special Treatment Needed****Notes to physician**

Treat symptomatically.

**5. Fire-fighting measures****Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** no data available.

**Specific hazards arising from the chemical**

No information available.

**Explosion data**

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Avoid contact with skin and eyes. Use personal protective equipment. Provide adequate ventilation. Wash thoroughly after handling.

**Environmental Precautions**

**Environmental precautions** Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

**Methods and material for containment and cleaning up**

**Methods for Clean-Up** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

**7. Handling and Storage**

**Precautions for safe handling**

**Handling** Wear personal protective equipment. Remove and wash contaminated clothing before re-use. Avoid contact with skin and eyes. Wash thoroughly after handling.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep container tightly closed in a dry and well-ventilated place.

**incompatible materials** Metals.

**8. Exposure Controls/Personal Protection**

**Exposure guidelines**

Chemical name	ACGIH TLV	OSHA PEL
Glycerine		TWA: 15 mg/m <sup>3</sup> mist, total particulate TWA: 5 mg/m <sup>3</sup> mist, respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> mist, total particulate (vacated) TWA: 5 mg/m <sup>3</sup> mist, respirable fraction

**Engineering controls** Investigate engineering techniques to reduce exposures. Local mechanical exhaust ventilation is preferred. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems.

**Personal protective equipment**

**Eye/Face Protection**

Use eye protection to avoid eye contact. Where there is potential for eye contact have eye flushing equipment available. Safety glasses with side-shields. If splashes are likely to occur, wear: Face-shield.

**Skin protection**

Long sleeved clothing. Protective gloves. Socks and footwear.

**Respiratory protection**

Where airborne exposure is likely, use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Full facepiece equipment is recommended and, if used, replaces need for face shield and/or chemical goggles. If exposures cannot be kept at a minimum with engineering controls, consult respirator manufacturer to determine appropriate type equipment for given application. Observe

respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure, use an approved full face positive-pressure, self-contained breathing apparatus. Respiratory protection programs must comply with 29 CFR 1910.134.

**General hygiene considerations**

Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Avoid contact with skin, eyes and clothing. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product.

**9. Physical and Chemical Properties**

**9.1 Information on basic physical and chemical properties**

<p><b>Appearance</b>  <b>Physical state</b>  <b>Odor</b>  <b>color</b></p>	<p>No information available                  Liquid                  Slight                  Tan to light brown</p>		
<p><u>Property</u>  <b>pH</b>  <b>Melting point/freezing point</b>  <b>Boiling Point/Range</b>  <b>Flash Point</b>  <b>Flammability (solid, gas)</b>  <b>Relative Density</b>                  None known                  None known                    None known                    None known                    None known                  None known</p>	<p><u>VALUES</u>                  3.8                      1.048- 1.062</p>	<p><u>Remarks/ Method</u>                  Approximately                  None known                  None known                  None known                  None known  <b>Specific gravity</b>  <b>Water solubility</b>  <b>Solubility in Other Solvents</b>  <b>Partition coefficient: n-octanol/water</b>  <b>Autoignition temperature</b>  <b>Decomposition temperature</b>  <b>Viscosity</b></p>	<p>Soluble in water                  No information available</p>

**9.2 OTHER INFORMATION**

**10. Stability and Reactivity**

**Reactivity**  
 no data available

**Chemical stability**  
 Stable under recommended storage conditions.

**Possibility of hazardous reactions**  
 None under normal processing.

**Conditions to avoid**  
 Extremes of temperature and direct sunlight.

**incompatible materials**  
 Metals.

**Hazardous decomposition products**  
 None under normal use conditions.

## 11. Toxicological Information

### Information on Likely Routes of Exposure

<b>Product information</b>	Vacciplant Acute oral LD50 (rat) >2000 mg/kg Acute dermal LD50(rat/rabbit) >2000 mg/kg Acute inhalation LC50 (rat) No data available
<b>Inhalation</b>	There is no data available for this product.
<b>Eye contact</b>	Moderately irritating to the eyes.
<b>Skin contact</b>	May cause irritation.
<b>Ingestion</b>	MAY BE HARMFUL IF SWALLOWED.

### Information on Toxicological Effects

**Symptoms** No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Sensitization</b>	No information available.
<b>Mutagenic effects</b>	no data available.
<b>Carcinogenicity</b>	There are no known carcinogenic chemicals in this product.
<b>Reproductive effects</b>	Not Available.
<b>STOT - Single Exposure</b>	no data available.
<b>STOT - Repeated Exposure</b>	no data available.
<b>Aspiration hazard</b>	No information available.

### Numerical Measures of Toxicity - See above

## 12. Ecological Information

### ecotoxicity

Do not apply directly to water to areas where surface water is present or to intertidal areas below the mean high water mark. Do not clean equipment or dispose of equipment washwater in a manner that will contaminate water resources or areable land. Do not apply when weather conditions favor drift from treated areas.

### Persistence/Degradability

no data available.

### Bioaccumulation/ Accumulation

Bioaccumulative potential.

Chemical name	Log Pow
Glycerine 56-81-5	-1.76

### Other Adverse Effects

no data available

## 13. Disposal Considerations

### Waste Treatment Methods

#### **Waste Disposal Method**

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If the wastes cannot be disposed of by use or according to label

instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Contaminated packaging** Refer to product label.

#### 14. Transport Information

<b><u>DOT</u></b>	NOT REGULATED
<b><u>TDG</u></b>	NOT REGULATED
<b><u>IATA</u></b>	NOT REGULATED
<b><u>IMDG</u></b>	NOT REGULATED

#### 15. Regulatory Information

##### **International Inventories**

<b>USINV</b>	Not present
<b>DSL/NDSL</b>	Present
<b>EINECS/ ELINCS</b>	Present
<b>ENCS</b>	Not Present
<b>China</b>	Not Present
<b>KECL</b>	Not Present
<b>PICCS</b>	Not Present
<b>AICS</b>	Not Present
<b>TSCA</b>	Not Present

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

##### **Federal Regulations**

###### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

###### **CERCLA**

Not applicable

###### **CERCLA**

**RCRA**

**Pesticide Information**

Component	FIFRA - Restricted Use	FIFRA - Pesticide Product Other Ingredients	FIFRA - Listing of Pesticide Chemicals	California Pesticides - Restricted Materials
Methyl paraben 99-76-3 ( 0.1 )			X	
Potassium sorbate 24634-61-5 ( 0.1 )			X	
Glycerine 56-81-5 ( 5 )			X	

**State Regulations**

**State Right-to-Know**

Chemical name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Glycerine - 56-81-5	X	X	X		

**International regulations**

**U.S. EPA Label information**

EPA Pesticide registration number Not applied

**16. Other Information**

**NFPA**                      **HEALTH** 1                      **flammability** 0                      **Instability** 0                      **Physical hazard** -

**Preparation Date**                      01-Nov-2021

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**Revision Summary**

Add to system

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End of SDS