

# SAFETY DATA SHEET



## Lumisure™

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11/17/2022	750075100600	Date of first issue: 11/17/2022

---

Corteva Agriscience™ encourages you and expects you to read and understand the entire SDS as there is important information throughout the document. This SDS provides users with information relating to the protection of human health and safety at the workplace, protection of the environment and supports emergency response. Product users and applicators should primarily refer to the product label attached to or accompanying the product container. This Safety Data Sheet adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

---

### SECTION 1. IDENTIFICATION

Product name : Lumisure™

#### Manufacturer or supplier's details

##### COMPANY IDENTIFICATION

Manufacturer/importer : CORTEVA AGRISCIENCE LLC  
9330 ZIONSVILLE RD  
INDIANAPOLIS, IN, 46268-1053  
UNITED STATES

Customer Information Number : 1-800-258-3033  
E-mail address : customerinformation@corteva.com

Emergency telephone : INFOTRAC (CONTRACT 84224).  
+1 800-992-5994 or +1 317-337-6009

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

Recommended use : Insecticide

Restrictions on use : Do not use product for anything outside of the above specified uses.

---

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity (Inhalation) : Category 4

#### GHS label elements

# SAFETY DATA SHEET



## Lumisure™

Version 1.0      Revision Date: 11/17/2022      SDS Number: 750075100600      Date of last issue: -  
Date of first issue: 11/17/2022

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H332 Harmful if inhaled.

Precautionary Statements : **Prevention:**  
P261 Avoid breathing mist or vapors.  
P271 Use only outdoors or in a well-ventilated area.  
**Response:**  
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.

### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

Chemical name	CAS-No.	Concentration (% w/w)
clothianidin (ISO)	210880-92-5	47.8
Glycerol	56-81-5	>= 1 - < 7
Balance	Not Assigned	> 40

Actual concentration is withheld as a trade secret

## SECTION 4. FIRST AID MEASURES

General advice : Information presented in Section 4 conforms to the requirements of the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard of 2012. See Section 15 for applicable information conforming to the requirements of the Federal Insecticide Fungicide and Rodenticide Act (FIFRA), as required by the US Environmental Protection Agency (EPA), or by state Regulatory Agencies.  
Never give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.  
For medical emergencies involving this product, call toll free 1-888-226-8832. See Label for Additional Precautions and Directions for Use.

If inhaled : Move to fresh air.  
Consult a physician after significant exposure.

# SAFETY DATA SHEET



## Lumisure™

Version 1.0      Revision Date: 11/17/2022      SDS Number: 750075100600      Date of last issue: -  
Date of first issue: 11/17/2022

---

- Call a poison control center or doctor for treatment advice.
- In case of skin contact : Wash off immediately with soap and plenty of water.  
Wash contaminated clothing before re-use.
- In case of eye contact : Hold eye open and rinse slowly and gently with water for 15-20 minutes.  
Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.  
Seek medical advice.
- If swallowed : Call a poison control center or doctor for treatment advice.  
Have person sip a glass of water if able to swallow.  
DO NOT induce vomiting unless directed to do so by a physician or poison control center.  
Never give anything by mouth to an unconscious person.
- Most important symptoms and effects, both acute and delayed : None known.
- Notes to physician : Treat symptomatically.
- 

### SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Water spray  
Alcohol-resistant foam
- Unsuitable extinguishing media : None known.
- Specific hazards during fire fighting : Exposure to combustion products may be a hazard to health.
- Hazardous combustion products : During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating.
- Specific extinguishing methods : Remove undamaged containers from fire area if it is safe to do so.  
Evacuate area.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray to cool unopened containers.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.  
Use personal protective equipment.
- 

### SECTION 6. ACCIDENTAL RELEASE MEASURES

# SAFETY DATA SHEET



## Lumisure™

Version 1.0      Revision Date: 11/17/2022      SDS Number: 750075100600      Date of last issue: -  
Date of first issue: 11/17/2022

---

- Personal precautions, protective equipment and emergency procedures : Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.
- Environmental precautions : Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g., by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
- Methods and materials for containment and cleaning up : Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in. For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, Recovered material should be stored in a vented container. The vent must prevent the ingress of water as further reaction with spilled materials can take place which could lead to over-pressurization of the container. Keep in suitable, closed containers for disposal. Wipe up with absorbent material (e.g. cloth, fleece). See Section 13, Disposal Considerations, for additional information.
- 

### SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Do not breathe vapors/dust. Handle in accordance with good industrial hygiene and safety practice. Smoking, eating and drinking should be prohibited in the application area. Take care to prevent spills, waste and minimize release to the environment. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.
- Conditions for safe storage : Store in a closed container. Keep in properly labeled containers. Store in accordance with the particular national regulations.
- Materials to avoid : Strong oxidizing agents
- Packaging material : Unsuitable material: None known.
- 

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Components	CAS-No.	Value type	Control parame-	Basis
------------	---------	------------	-----------------	-------

---

# SAFETY DATA SHEET



## Lumisure™

Version 1.0      Revision Date: 11/17/2022      SDS Number: 750075100600      Date of last issue: -  
 Date of first issue: 11/17/2022

		(Form of exposure)	ters / Permissible concentration	
Glycerol	56-81-5	TWA (mist, respirable fraction)	5 mg/m3	OSHA Z-1
		TWA (mist, total dust)	15 mg/m3	OSHA Z-1
		TWA (Mist - total dust)	10 mg/m3	OSHA P0
		TWA (Mist - respirable fraction)	5 mg/m3	OSHA P0

**Engineering measures** : Information presented in Section 8 conforms to the requirements of the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard of 2012. See Section 15 for applicable information conforming to the requirements of the Federal Insecticide Fungicide and Rodenticide Act (FIFRA), as required by the US Environmental Protection Agency (EPA), or by state Regulatory

Ensure adequate ventilation.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**Personal protective equipment**

Respiratory protection : Provide adequate ventilation.  
Wear respiratory protection.

Hand protection

Remarks : Wash hands thoroughly after handling.

Eye protection : Wear chemical safety goggles or equivalent eye protection.

Skin and body protection : Wear protective clothing such as gloves, apron, boots, or coveralls, as appropriate.

Protective measures : Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.  
Notify workers of the application by warning them orally or by posting warning signs at entrances to treated areas.

Hygiene measures : Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or

# SAFETY DATA SHEET



## Lumisure™

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11/17/2022	750075100600	Date of first issue: 11/17/2022

---

using the toilet.  
Remove clothing/PPE immediately if material gets inside.  
Wash thoroughly and put on clean clothing.  
Remove personal protective equipment immediately after handling this product.

---

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Color	:	white
Odor	:	Faint odour
Odor Threshold	:	No data available
pH	:	5.7 - 6.7
Melting point/range	:	Not applicable
Freezing point	:	No data available
Boiling point/boiling range	:	ca. 212 °F / 100 °C
Flash point	:	> 199 °F / > 93 °C Method: closed cup
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	No data available
Relative vapor density	:	No data available
Density	:	1.28 g/cm <sup>3</sup>
Solubility(ies) Water solubility	:	Miscible
Autoignition temperature	:	No data available
Viscosity	:	

# SAFETY DATA SHEET



## Lumisure™

Version 1.0      Revision Date: 11/17/2022      SDS Number: 750075100600      Date of last issue: -  
Date of first issue: 11/17/2022

---

Viscosity, dynamic : No data available  
Explosive properties : No data available  
Oxidizing properties : No data available

---

### SECTION 10. STABILITY AND REACTIVITY

Reactivity : Not classified as a reactivity hazard.  
Chemical stability : No decomposition if stored and applied as directed.  
Stable under normal conditions.  
Possibility of hazardous reactions : Stable under recommended storage conditions.  
No hazards to be specially mentioned.  
May form explosive dust-air mixture.  
Conditions to avoid : None known.  
Incompatible materials : Strong acids  
Strong bases  
Hazardous decomposition products : Decomposition products depend upon temperature, air supply and the presence of other materials.

---

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

##### Product:

Acute oral toxicity : LD50 (Rat): 3.044 mg/kg  
Assessment: The substance or mixture has no acute oral toxicity  
Acute inhalation toxicity : LC50 (Rat): > 2.13 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg

##### Components:

##### **clothianidin (ISO):**

Acute oral toxicity : LD50 (Rat): 523 mg/kg  
Acute inhalation toxicity : LC50 (Rat): > 5.538 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Symptoms: No deaths occurred at this concentration.  
Assessment: The substance or mixture has no acute inhalation toxicity

# SAFETY DATA SHEET



## Lumisure™

Version 1.0      Revision Date: 11/17/2022      SDS Number: 750075100600      Date of last issue: -  
Date of first issue: 11/17/2022

---

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Symptoms: No deaths occurred at this concentration.  
Assessment: The substance or mixture has no acute dermal toxicity

### **Glycerol:**

Acute oral toxicity : LD50 (Rat): > 11,500 mg/kg  
Remarks: Excessive exposure may cause:  
Central nervous system effects.  
Observations in humans include:  
Altered blood sugar levels.

Acute inhalation toxicity : LC50 (Rat): > 2.75 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Symptoms: No deaths occurred following exposure to a saturated atmosphere.  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Guinea pig): >= 56,750 mg/kg

### **Skin corrosion/irritation**

#### **Product:**

Species : Rabbit  
Result : No skin irritation

#### **Components:**

##### **Glycerol:**

Result : No skin irritation

### **Serious eye damage/eye irritation**

#### **Product:**

Species : Rabbit  
Result : No eye irritation

#### **Components:**

##### **Glycerol:**

Result : No eye irritation

### **Respiratory or skin sensitization**

#### **Product:**

Species : Guinea pig  
Assessment : Does not cause skin sensitization.



# SAFETY DATA SHEET



## Lumisure™

Version 1.0      Revision Date: 11/17/2022      SDS Number: 750075100600      Date of last issue: -  
Date of first issue: 11/17/2022

---

### Components:

#### **clothianidin (ISO):**

Remarks : For skin sensitization:  
Did not cause allergic skin reactions when tested in guinea pigs.

Remarks : For respiratory sensitization:  
No relevant data found.

### **Germ cell mutagenicity**

#### Components:

#### **clothianidin (ISO):**

Germ cell mutagenicity - Assessment : Animal testing did not show any mutagenic effects., In vitro genetic toxicity studies were negative in some cases and positive in other cases.

#### **Glycerol:**

Germ cell mutagenicity - Assessment : In vitro genetic toxicity studies were negative.

### **Carcinogenicity**

#### Components:

#### **clothianidin (ISO):**

Carcinogenicity - Assessment : Did not cause cancer in laboratory animals.

#### **Glycerol:**

Carcinogenicity - Assessment : For the major component(s);, Did not cause cancer in laboratory animals.

**IARC** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### **Reproductive toxicity**

#### Product:

Reproductive toxicity - Assessment : No toxicity to reproduction

# SAFETY DATA SHEET



## Lumisure™

Version 1.0      Revision Date: 11/17/2022      SDS Number: 750075100600      Date of last issue: -  
Date of first issue: 11/17/2022

---

### **Components:**

#### **clothianidin (ISO):**

Reproductive toxicity - Assessment : Suspected human reproductive toxicant

In animal studies, has been shown to interfere with fertility in males., Effects included minimal decreases in the number of litters and in litter size, and delayed sexual maturation of male offspring believed to be secondary to the slower growth rate of the animals.

Has caused birth defects in laboratory animals only at doses toxic to the mother.

#### **Glycerol:**

Reproductive toxicity - Assessment : Reproductive effects seen in female animals are believed to be due to altered nutritional states resulting from extremely high doses of glycerine given in the diet. Similar effects have been seen in animals fed synthetic diets.  
Did not cause birth defects or any other fetal effects in laboratory animals.

### **STOT-single exposure**

#### **Product:**

Assessment : Evaluation of available data suggests that this material is not an STOT-SE toxicant.

### **Components:**

#### **clothianidin (ISO):**

Assessment : Evaluation of available data suggests that this material is not an STOT-SE toxicant.

#### **Glycerol:**

Assessment : Evaluation of available data suggests that this material is not an STOT-SE toxicant.

### **STOT-repeated exposure**

#### **Product:**

Assessment : Evaluation of available data suggests that this material is not an STOT-RE toxicant.

### **Repeated dose toxicity**

#### **Components:**

#### **clothianidin (ISO):**

Remarks : Based on available data, repeated exposures are not anticipated to cause significant adverse effects.

# SAFETY DATA SHEET



## Lumisure™

Version 1.0      Revision Date: 11/17/2022      SDS Number: 750075100600      Date of last issue: -  
Date of first issue: 11/17/2022

---

### **Glycerol:**

Remarks : Excessive exposure to glycerine may cause increased fat levels in blood.

### **Aspiration toxicity**

#### **Components:**

#### **clothianidin (ISO):**

Based on physical properties, not likely to be an aspiration hazard.

#### **Glycerol:**

Based on physical properties, not likely to be an aspiration hazard.

---

## SECTION 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

#### **Product:**

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 119 mg/l  
Exposure time: 48 h

#### **Components:**

#### **clothianidin (ISO):**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 105 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.022 mg/l  
Exposure time: 48 h

M-Factor (Acute aquatic toxicity) : 10

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.042 mg/l  
Exposure time: 21 d

M-Factor (Chronic aquatic toxicity) : 1

#### **Glycerol:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): >= 885 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: Method Not Specified.

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): 1,955 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: Method Not Specified.

---

# SAFETY DATA SHEET



## Lumisure™

Version 1.0      Revision Date: 11/17/2022      SDS Number: 750075100600      Date of last issue: -  
Date of first issue: 11/17/2022

---

Toxicity to algae/aquatic plants : EC50 (Other): 2,900 mg/l  
End point: Growth inhibition (cell density reduction)  
Exposure time: 192 h  
Test Type: static test  
Method: Method Not Specified.

Toxicity to microorganisms : EC50 (activated sludge): > 1,000 mg/l  
Exposure time: 3 h  
Method: OECD 209 Test

### Persistence and degradability

#### Components:

##### **clothianidin (ISO):**

Biodegradability : Result: Not readily biodegradable.  
Remarks: Not readily biodegraded.

##### **Glycerol:**

Biodegradability : Result: Readily biodegradable.  
Remarks: Material is readily biodegradable. Passes OECD test(s) for ready biodegradability.

Biodegradation: 63 %  
Exposure time: 14 d  
Method: OECD Test Guideline 301C or Equivalent  
Remarks: 10-day Window: Not applicable

ThOD : 1.22 kg/kg

### Bioaccumulative potential

#### Components:

##### **clothianidin (ISO):**

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

##### **Glycerol:**

Partition coefficient: n-octanol/water : log Pow: -1.76 (68 °F / 20 °C)  
Method: Measured  
Remarks: Bioconcentration potential is low (BCF < 100 or Log Pow < 3).

##### **Balance:**

Partition coefficient: n-octanol/water : Remarks: No relevant data found.

# SAFETY DATA SHEET



## Lumisure™

Version 1.0      Revision Date: 11/17/2022      SDS Number: 750075100600      Date of last issue: -  
Date of first issue: 11/17/2022

---

### Mobility in soil

#### Components:

##### **Glycerol:**

Distribution among environmental compartments : Koc: 1  
Method: Estimated.  
Remarks: Potential for mobility in soil is very high (Koc between 0 and 50).  
Given its very low Henry's constant, volatilization from natural bodies of water or moist soil is not expected to be an important fate process.

##### **Balance:**

Distribution among environmental compartments : Remarks: No relevant data found.

### Other adverse effects

#### Product:

Additional ecological information : Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark.  
Do not contaminate water when cleaning equipment or disposing of equipment wash waters or rinsate.  
Do not apply where/when conditions favour runoff.

#### Components:

##### **Glycerol:**

Results of PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is readily biodegradable and thus is not considered persistent or very persistent (P or vP).

Ozone-Depletion Potential : Remarks: This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

##### **Balance:**

Results of PBT and vPvB assessment : This substance has not been assessed for persistence, bioaccumulation and toxicity (PBT).

Ozone-Depletion Potential : Remarks: This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

---

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities.

# SAFETY DATA SHEET



## Lumisure™

Version 1.0      Revision Date: 11/17/2022      SDS Number: 750075100600      Date of last issue: -  
Date of first issue: 11/17/2022

---

This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

---

### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### UNRTDG

UN number : UN 3082  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Clothianidin)  
Class : 9  
Packing group : III  
Labels : 9

##### IATA-DGR

UN/ID No. : UN 3082  
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s. (Clothianidin)  
Class : 9  
Packing group : III  
Labels : Miscellaneous  
Packing instruction (cargo aircraft) : 964  
Packing instruction (passenger aircraft) : 964

##### IMDG-Code

UN number : UN 3082  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Clothianidin)  
Class : 9  
Packing group : III  
Labels : 9  
EmS Code : F-A, S-F  
Marine pollutant : yes  
Remarks : Stowage category A

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### Domestic regulation

##### 49 CFR

Not regulated as a dangerous good

**Lumisure™**

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11/17/2022	750075100600	Date of first issue: 11/17/2022

---

**Further information**

Marine Pollutants assigned UN number 3077 and 3082 in single or combination packaging containing a net quantity per single or inner packaging of 5L or less for liquids or having a net mass per single or inner packaging of 5 KG or less for solids may be transported as non-dangerous goods as provided in section 2.10.2.7 of IMDG code, IATA Special provision A197, and ADR/RID special provision 375.

**Special precautions for user**

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

---

**SECTION 15. REGULATORY INFORMATION**

**SARA 311/312 Hazards** : Acute toxicity (any route of exposure)

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**US State Regulations****Pennsylvania Right To Know**

Glycerol

56-81-5

**The ingredients of this product are reported in the following inventories:**

TSCA : Product contains substance(s) not listed on TSCA inventory.

**TSCA list**

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

**Federal Insecticide, Fungicide and Rodenticide Act**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Read the PCPA label, authorized under the Pest Control Products Act, prior to using or handling this pest control product.

This chemical is a pest control product registered by Health Canada Pest Management Regulatory Agency and is subject to certain labelling requirements under the Pest Control Products Act (PCPA). There are Canada-specific environmental requirements for handling, use, and disposal of this pest control product that are indicated on the label. These requirements differ from the classification criteria and hazard information required for GHS-consistent safety data sheets. Following is the hazard information required on the pest control products label:

PCPA Label Hazard Communications:

Read the label and booklet before using. Keep out of reach of children.

CAUTION

# SAFETY DATA SHEET



## Lumisure™

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11/17/2022	750075100600	Date of first issue: 11/17/2022

---

### WARNING POISON

Harmful if swallowed  
Toxic to aquatic organisms.  
Treated seed is toxic to birds.  
Treated seed is toxic to:  
Small wild mammals  
This product is toxic to:  
Bees

---

## SECTION 16. OTHER INFORMATION

### Information Source and References

This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company.

### Full text of other abbreviations

OSHA P0	:	USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
OSHA P0 / TWA	:	8-hour time weighted average
OSHA Z-1 / TWA	:	8-hour time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Sub-



# SAFETY DATA SHEET



## Lumisure™

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11/17/2022	750075100600	Date of first issue: 11/17/2022

---

stance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date : 11/17/2022

Product code: 3PP-Lumisure

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

US / EN