

# NipsIt INSIDE® 600 Insecticide



## Safety Data Sheet (GHS)

### 1. IDENTIFICATION

#### Product identifier

**PRODUCT NAME:** NipsIt INSIDE® 600 Insecticide

**PCPA REGISTRATION NUMBER:** 28975  
**VC NUMBER(S):** 1764, 2049, 2100  
**Synonyms** V-10170 5 FS Insecticide

**PRODUCT DESCRIPTION:** Insecticide Seed Treatment

*NipsIt INSIDE®* is a registered trademark of Valent U.S.A. LLC

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

**Recommended Use** Use in accordance with label directions

**Restrictions on use** No information available

#### Details of the supplier of the safety data sheet

#### MANUFACTURER/DISTRIBUTOR

VALENT CANADA, INC.  
Unit 201 230 Hanlon Creek Blvd.  
Guelph, Ontario N1C 0A1  
(519) 767-9262  
www.valent.ca

#### EMERGENCY TELEPHONE NUMBERS

HEALTH EMERGENCY OR SPILL (24 hr):  
(800) 682-5368  
TRANSPORTATION (24 hr.): CHEMTREC  
(800) 424-9300 or (202) 483-7616

**24 Hour Emergency Phone Number:** 800-682-5368

**Restrictions on emergency number** None

### 2. HAZARDS IDENTIFICATION

**Classification:** Per WHMIS 2015

This product has been classified under the Guidelines of 2015 Health Canada requirements and the implementation of the GHS (Revision 5) under HPR and the HPA.

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin sensitisation	Category 1
Carcinogenicity	Category 1B

#### Label elements

**Danger**

**Hazard statements**

**Emergency Telephone:** (800) 682-5368  
**REVISION NUMBER:** 2

**SDS NO.:** CAN-0375  
**REVISION DATE:** 08/19/2019

Harmful if inhaled  
May cause an allergic skin reaction  
May cause cancer

**Precautionary Statements - Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Wear protective gloves/protective clothing/eye protection/face protection  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Contaminated work clothing should not be allowed out of the workplace

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
Specific treatment (see .? on this label)

**Skin**

IF ON SKIN: Wash with plenty of water and soap  
If skin irritation or rash occurs: Get medical advice/attention  
Take off contaminated clothing and wash before reuse

**Inhalation**

IF INHALED: Remove person to fresh air and keep comfortable for breathing

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**OTHER INFORMATION**

May be harmful if swallowed. Very toxic to aquatic life with long lasting effects. Very toxic to aquatic life

**Unknown acute toxicity** 54.4 % of the mixture consists of ingredient(s) of unknown toxicity  
54.4 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
54.4 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Substance**

Not applicable.

**Mixture****Synonyms**

V-10170 5 FS Insecticide.

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Clothianidin	210880-92-5	47.8	-	-
Glycerine	56-81-5	1-7	-	-
Proxel GXL	2634-33-5	0.25	-	-

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

<b>General advice</b>	Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention.
<b>Inhalation</b>	Move the person to fresh air. If the person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.
<b>Eye contact</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, and after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.
<b>Skin contact</b>	Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.
<b><u>Most important symptoms and effects, both acute and delayed</u></b>	
<b>Symptoms</b>	Itching. Rashes. Hives.
<b><u>Indication of any immediate medical attention and special treatment needed</u></b>	
<b>Note to physicians</b>	May cause sensitization in susceptible persons. Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Large Fire</b>	Do NOT use water jet or straight streams.
<b>Unsuitable extinguishing media</b>	Do not scatter spilled material with high pressure water streams.
<b>Specific hazards arising from the chemical</b>	Product is or contains a sensitizer. May cause sensitisation by skin contact.
<b>Hazardous combustion products:</b>	May form toxic materials such as: Carbon dioxide, hydrogen chloride, oxides of sulfur, oxides of nitrogen, carbon monoxide, various hydrocarbons, etc.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	None.
<b>Sensitivity to static discharge</b>	None.
<b>Special protective equipment for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**Other information** Refer to protective measures listed in Sections 7 and 8.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labelled containers.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Limits

Chemical name	Alberta	British Columbia	Ontario	Quebec
Glycerine	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>		TWA: 10 mg/m <sup>3</sup>

### Appropriate engineering controls

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Hand protection** Wear suitable gloves.

**Skin and body protection** Wear suitable protective clothing.

<b>Respiratory protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
<b>General hygiene considerations</b>	Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid
<b>Appearance</b>	Free-flowing viscous liquid
<b>Colour</b>	White
<b>Odour</b>	Faint characteristic odour
<b>Odor threshold:</b>	No information available

<u>PROPERTIES</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	5.7 - 6.7	1% dilution in water
<b>Melting point/freezing point</b>	No Data Available °C / °F	
<b>Boiling point/boiling range</b>	~ 100.000004768372 °C / 212 °F	
<b>Flash point</b>	> 93 °C / > 200 °F	
<b>Evaporation rate</b>	No Data Available	None known
<b>Flammability (solid, gas)</b>	No Data Available	None known
<b>Flammability Limits in Air</b>		None known
<b>Upper flammability limits</b>	No Data Available	
<b>Lower Flammability Limit:</b>	No Data Available	
<b>Vapour pressure</b>	No Data Available	None known
<b>Vapour density</b>	No Data Available	None known
<b>Relative density</b>	1.26-1.27 g/mL	
<b>Water solubility</b>	Miscible/dispersible in water	
<b>Solubility in other solvents</b>	No Data Available	None known
<b>Partition coefficient</b>	No Data Available	None known
<b>Autoignition temperature</b>	No Data Available	None known
<b>Decomposition temperature</b>	No Data Available	None known
<b>Kinematic viscosity</b>	No Data Available	None known
<b>Dynamic viscosity</b>	No Data Available	None known

### OTHER INFORMATION

<b>Explosive properties</b>	No information available.
<b>Oxidizing properties</b>	No information available.
<b>Softening point</b>	No information available.
<b>Molecular weight</b>	No information available.
<b>VOC (EPA METH.24) (G/L):</b>	No information available.
<b>Liquid Density</b>	10.5-10.6 lb/gal
<b>Bulk density</b>	No information available.

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	No information available.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions</b>	None under normal processing.
<b>Conditions to avoid</b>	None known based on information supplied.
<b>Incompatible materials</b>	None known based on information supplied.
<b>Hazardous Decomposition</b>	May form toxic materials such as: carbon dioxide, hydrogen chloride, oxides of sulfur,

**Products:** oxides of nitrogen, carbon monoxide, various hydrocarbons, etc.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity:

The following information is for this product formulation.

Oral Toxicity LD <sub>50</sub> (rats)	3,044 mg/kg	EPA Tox Category	III
Dermal Toxicity LD <sub>50</sub> (rats)	> 5,000 mg/kg	EPA Tox Category	IV
Inhalation Toxicity LC <sub>50</sub> (rats)	> 2.13 mg/L	EPA Tox Category	IV
Eye Irritation (rabbits)	Non-irritating	EPA Tox Category	IV
Skin Irritation (rabbits)	Slightly irritating	EPA Tox Category	IV
Skin Sensitization (guinea pigs)	Non-sensitizer	EPA Tox Category	Not applicable

### CARCINOGEN CLASSIFICATION

Chemical name	IARC	OSHA - Select Carcinogens	NTP Carcinogen List
Glycerine	Not listed	Not Listed	Not listed
Inert/Other Ingredients	Not listed	Not listed	Not listed
Clothianidin	Not listed	Not Listed	Not listed

### TOXICITY OF CLOTHIANIDIN TECHNICAL

**Subchronic:** The NOEL in a 3-month rat feeding study with Clothianidin Technical was 27.9 mg/kg/day (male) and 34.0 mg/kg/day (female). The NOEL in a 90-day dog feeding study was 19.3 mg/kg/day (male) and 21.2 mg/kg/day (female). In a subchronic dermal study with rats, the NOAEL is >1,000 mg/kg/day.

**Chronic/Carcinogenicity:** The Clothianidin NOEL for a 2-year rat study was 9.7 mg/kg/day (female); for a 18-month mouse study was 47.2 mg/kg/day (male) and for a 12-month dog study was 4.8 mg/kg/day (male). The principal target organs were the glandular stomach, kidney, ovary, and liver. No oncogenic effects were observed in the 2-year rat or 18-month mouse feeding studies.

**Neurotoxicity:** Clothianidin is not a neural toxin.

**Developmental Toxicity:** No teratogenic effects on rats or rabbits were observed. Transient developmental effects (delayed ossification) were observed in rabbits at maternally toxic doses (100 mg/kg/day). The technical material is fetotoxic in animal studies at maternally toxic doses.

**Reproduction:** No reproductive effects were observed in rats at the highest dose tested (2500 ppm).

**Mutagenicity:** *In vivo* tests have demonstrated that the technical material is not mutagenic. Some *in-vitro* tests were positive for mutagenicity. The observed effects *in-vitro* were due to cytotoxic effects. The weight-of-evidence from the *in vivo* whole animal tests suggest that this product does not present a mutagenic hazard.

For a summary of the potential for adverse health effects from exposure to this product, refer to Section 2. For information regarding regulations pertaining to this product, refer to Section 15.

## 12. ECOLOGICAL INFORMATION

**AVIAN TOXICITY:** The following results, obtained from studies with Clothianidin Technical, show that the avian toxicity ranges from practically non-toxic to slightly toxic:

96-hr Oral LD<sub>50</sub> Bobwhite quail: >2,000 mg/kg  
 96-hr Oral LD<sub>50</sub> Mallard duck: 503 mg/kg  
 96-hr Dietary LC<sub>50</sub> Mallard duck: >5,200 ppm

**AQUATIC ORGANISM TOXICITY:** The following are results, obtained from testing with Clothianidin Technical, show that it is toxic to aquatic invertebrates and practically non-toxic to fish:

LC<sub>50</sub> 96-hr Bluegill: >117 mg/L  
 LC<sub>50</sub> 96-hr Rainbow trout: >104 mg/L  
 LC<sub>50</sub> 96-hr Sheepshead minnow: >102 mg/L  
 EC<sub>50</sub> 48-hr Water flea: >119 mg/L  
 LC<sub>50</sub> 96-hr Mysid: 0.053 mg/L  
 EbC<sub>50</sub> 120-hr Freshwater Green Algae: 56 mg/L

**OTHER NON-TARGET ORGANISM TOXICITY:**

The following information, based on studies with Clothianidin Technical, show that it is highly toxic to bees:

Honeybee 48-hr oral LD<sub>50</sub>: 0.0038 ug (microgram)/bee  
 Honeybee 48-hr contact LD<sub>50</sub>: 0.044 ug (microgram)/bee  
 Earthworm 7-day LC<sub>50</sub>: 19 mg/kg dry soil

**OTHER ENVIRONMENTAL INFORMATION:**

This product is toxic to bees. Dust generated during planting of treated seed may be harmful to bees and other pollinators.

Any spilled or exposed seeds must be incorporated in the soil or otherwise cleaned-up from the soil surface. Treated seed is toxic to birds and small wild mammals.

### 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

### 14. TRANSPORTATION INFORMATION

**DOT (ground) shipping name:** Not regulated for domestic ground transport by US DOT or Canada TDG.

**Emergency Response**

**Guidebook No.:** Not applicable

**ICAO/IATA proper shipping name:** UN 3082 Environmentally Hazardous Substance, Liquid, N.O.S. (Clothianidin), 9, III, Marine Pollutant

**Remarks:**

- Single or inner packaging less than 5 L (liquid) or 5 Kg net (solids) excepted from Dangerous Goods regulations – see IATA Special Provision A197.
- For U.S. shipping, Emergency Response Guidebook No. 171.

**IMDG proper shipping name:** UN 3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Clothianidin), 9, III, Marine Pollutant

**Remarks:**

- Single or inner packaging less than 5 L (liquid) or 5 Kg net (solids) excepted from

Dangerous Goods regulations – see IMDG 2.10.2.7  
 •For US shipping, Emergency Response Guidebook No. 171  
 EMS No.: F-A, S-F

## 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

### PMRA LABEL INFORMATION THAT DIFFERS FROM WHMIS-GHS REQUIREMENTS:

Pesticide products in Canada are registered by PMRA and are subject to certain labeling requirements under federal pesticide law. The label, as specified in the Pest Control Products Act, is the main document to be followed for safety, use, and handling. These label requirements may differ from the classification criteria and hazard information required under WHMIS GHS for the data sheets and for workplace labels of non-pesticide chemicals. The following hazard information is required on the product label:

**PMRA SIGNAL WORD:** • Warning

**PMRA pesticide label hazard information:** Harmful if swallowed, inhaled or absorbed through skin Avoid breathing vapors or spray. Keep out of reach of children.

WHMIS Hazard Class: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR), and the SDS contains all information required by the CPR.

Chemical name	Canada DSL Inventory List -	Canada NDSL Inventory List -	EINECS Inventory List -
Glycerine	Present		Present
Proxel GXL	Present		Present

For information regarding potential adverse health effects from exposure to this product, refer to Sections 2 and 11.

**PESTICIDE REGULATIONS:** All pesticides are governed under PCPA (Pest Control Products Act). Therefore, the regulations presented below are pertinent only when handled outside of the normal use and applications of pesticides. This includes waste streams resulting from manufacturing/formulation facilities, spills or misuse of products, and storage of large quantities of products containing hazardous or extremely hazardous substances.

**PROVINCIAL REGULATIONS:** This product did not trigger any provincial regulations.

#### International Regulations

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

## 16. OTHER INFORMATION

**REASON FOR ISSUE:** Add a formulation code. Minor edits throughout for clarity.  
**SDS NO.:** CAN-0375  
**EPA REGISTRATION NUMBER:** 59639-151  
**PCPA REGISTRATION NUMBER:** 28975  
**REVISION NUMBER:** 2  
**REVISION DATE:** 08/19/2019  
**SUPERCEDES DATE:** July 7, 2017  
**RESPONSIBLE PERSON(S):** Valent U.S.A. LLC, Corporate EH&S, (925) 256-2803

The information provided in this Safety Data Sheet (SDS) is provided in good faith and believed to be accurate at the time of preparation of the SDS. However, to the extent consistent with applicable law, Valent Canada, Inc. and its

**Emergency Telephone:** (800) 682-5368  
**REVISION NUMBER:** 2

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**REVISION DATE:** 08/19/2019



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The Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE PMRA-APPROVED PRODUCT LABEL (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use.

The product label provides information specifically for product use in the ordinary course. Use, storage and disposal of pesticide products is regulated by the PMRA under the authority of the *Pest Control Products Act* through the product label. All necessary hazard classification and appropriate precautionary use, storage, and disposal information is set forth on that label or labeling accompanying the pesticide or to which reference is made on the label. It is a violation of federal law to use a PMRA-registered pesticide product in any manner inconsistent with its labeling.

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