



# Safety Data Sheet

Preparation Date 17-Aug-2016

Revision date 05-Sep-2019

Revision Number: 5

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

### Identification of the product

Product Description STartUP IMIDA

### Other means of identification

Product code 12U-327

Registration number(s) 70506-327

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

Recommended use Insecticide.

Uses advised against

Non labeled activities Activities contrary to label recommendation

### 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 215-715-2174

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)

Skin sensitization

Category 1

### Label elements

#### EMERGENCY OVERVIEW

#### WARNING

#### Hazard Statements

May cause an allergic skin reaction



Appearance no data available

Physical state Liquid

Odor sweet

**Precautionary Statements - Prevention**

Do not get in eyes, on skin, or on clothing  
Contaminated work clothing should not be allowed out of the workplace  
Wear protective gloves

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

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards Not Otherwise Classified (HNOC)****OTHER INFORMATION**

- Very toxic to aquatic life with long lasting effects
- Very toxic to aquatic life

**3. Composition/information on Ingredients**

Chemical name	CAS No	Weight-%
Imidacloprid	138261-41-3	48.7
1,2-Benzisothiazolin-3-one (Proxel GXL)	2634-33-5	0.1
Glycerine	56-81-5	10

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**

<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a poison control center or doctor for treatment advice.
<b>Skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Call a poison control center or doctor for treatment advice.
<b>Inhalation</b>	Move person to fresh air. 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.
<b>Ingestion</b>	Call a physician or poison control center immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
<b>Protection of First-aiders</b>	Use personal protective equipment.

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

**Most Important Symptoms and Effects** no data available.

**Indication of Any Immediate Medical Attention and Special Treatment Needed**

**Notes to physician** Treat symptomatically.

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

Carbon dioxide (CO<sub>2</sub>).

Use: Dry chemical. Water spray. alcohol-resistant foam.

**Unsuitable extinguishing media** no data available.

#### **Specific hazards arising from the chemical**

Keep product and empty container away from heat and sources of ignition. Risk of ignition.

**Hazardous combustion products** Hydrogen chloride. Nitrous oxides.

#### **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** Use personal protective equipment. Avoid contact with skin and eyes. Wash thoroughly after handling.

#### **Environmental Precautions**

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

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

**Methods for Clean-Up** Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.

### **7. Handling and Storage**

#### **Precautions for safe handling**

**Handling** Wear personal protective equipment. Do not breathe vapours or spray mist. Avoid contact with skin and eyes. Provide adequate ventilation. Do not eat, drink or smoke when using this product. Keep out of reach of children. Wash thoroughly after handling.

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

**Storage** Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Protect from light. Keep in properly labelled containers.

**incompatible materials** Potassium permanganate.

### **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** Ensure adequate ventilation, especially in confined areas.

#### **Personal protective equipment**

##### **Eye/Face Protection**

Where there is potential for eye contact have eye flushing equipment available. Use eye protection to avoid eye contact. Safety glasses with side-shields.

##### **Skin protection**

Long sleeved clothing. Chemical resistant apron. Protective gloves. Chemical resistant footwear plus socks.

##### **Respiratory protection**

Use only with adequate ventilation. 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. Wear suitable gloves and eye/face protection. Wash hands and face 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>	no data available	<b>Odor</b>	sweet
<b>color</b>	white		

<u>Property</u>	<u>VALUES</u>	<u>Remarks/ • Method</u>
pH	5.71	(1% aq)
Melting point/freezing point	no data available	
Boiling Point/Range	No information available	
Flash Point	> 100 °C / > 212 °F	
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	
Flammability limit in air		
Upper Flammability Limit	No information available	
Lower Flammability Limit	No information available	
vapor pressure	No information available	
Vapor Density	No information available	
Specific gravity	1.250 g/ml	
Water solubility	No information available	
Solubility in Other Solvents	No information available	
Partition coefficient: n-octanol/water	No information available	
Autoignition temperature	no data available	
Decomposition temperature	No information available	
Viscosity, kinematic	No information available	
Dynamic viscosity	255.3 cP @ 20 C	
Explosive properties	No information available	
Oxidizing properties	No information available	

### OTHER INFORMATION

Softening point	No information available
molecular weight	No information available
VOC Content	No information available
Liquid Density	10.43 lb/gal

## 10. Stability and Reactivity

### Reactivity

no data available

### Chemical stability

Stable under normal conditions. Hazardous polymerisation does not occur.

### Possibility of hazardous reactions

None under normal processing.

**Hazardous polymerization**

Hazardous polymerisation does not occur.

**Conditions to avoid**

Heating in air.

**incompatible materials**

Potassium permanganate.

**Hazardous decomposition products**

Carbon oxides.

**11. Toxicological Information****Information on Likely Routes of Exposure****Product information**

Imidacloprid formulation 48.7% =  
 Acute oral LD50 = 990 mg/kg  
 Acute dermal LD50 = >2000 mg/kg  
 Acute inhalation LC50 (4hr) = >5.971 mg/L

**Inhalation**

May cause irritation of respiratory tract.

**Eye contact**

Moderately irritating to the eyes.

**Skin contact**

May be harmful if absorbed through the skin.

**Ingestion**

HARMFUL IF SWALLOWED.

**Component Information**

for Imidacloprid:  
 Acute oral LD50 - 380 mg/kg  
 Acute dermal LD50 - >5000 mg/kg

**Information on Toxicological Effects****Symptoms**

No information available.

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

No information available.

**Mutagenic effects**

no data available.

**Carcinogenicity**

Imidacloprid (A.I.) was not considered carcinogenic in rats or mice in oncogenicity studies. Reproduction studies indicated that Imidacloprid is not a reproductive toxicant. Mutagenicity studies noted no mutagenic or genotoxic effects in in vitro and in vivo tests.

Developmental effects were observed at doses that caused material toxicity in rats and rabbits. It is not considered a primary developmental toxicant.

**Reproductive effects**

Imidacloprid neurotoxicity tests showed slight behavioral and activity changes only at the highest dose in rats. Neural tissues showed no correlating morphological changes.

**STOT - Single Exposure**

Not Available.

**STOT - Repeated Exposure**

no data available.

**Chronic toxicity**

no data available.

**Aspiration hazard**

Avoid repeated exposure.

No information available.

**Numerical Measures of Toxicity - No information available****LD50 Oral**

990 mg/kg

**LD50 Dermal**

&gt; 2000 mg/kg

**LC50 Inhalation**

&gt; 23.88 mg/l

**12. Ecological Information****ecotoxicity**

No information available

**Persistence/Degradability**

no data available.

**Bioaccumulation/ Accumulation**

Bioaccumulative potential.

Chemical name	Log Pow
1,2-Benzisothiazolin-3-one (Proxel GXL) 2634-33-5	1.3
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****DOT**

NOT REGULATED

**TDG**

NOT REGULATED

**IATA**

NOT REGULATED

**IMDG**

NOT REGULATED

**15. Regulatory Information**

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:

signal word

CAUTION

Keep out of Reach of Children. Causes moderate eye irritation. Harmful if swallowed or absorbed through the skin. This pesticide is highly toxic to bees, birds, and aquatic invertebrates.

**International Inventories**

USINV	Not present
DSL/NDL	Not present
EINECS/	Not Present
ELINCS	
ENCS	Not Present
China	Not Present
KECL	Not Present
PICCS	Not Present
AICS	Not Present
TSCA	Not Present

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDL - 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  
 IECS - 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****State Regulations****State Right-to-Know**

Chemical name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Imidacloprid - 138261-41-3				X	
Glycerine - 56-81-5	X	X	X		

**International regulations****U.S. EPA Label information**

EPA Pesticide registration number 70506-327

<b>16. Other Information</b>
------------------------------

**NFPA**

HEALTH 3

flammability 2

Instability 0

Physical hazard -

Preparation Date

17-Aug-2016

Revision date

05-Sep-2019

Revision Summary

Update logo

**Disclaimer**

UPL NA Inc. believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY, OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be valid where such product is used in combination with other materials or in any process. Further, since the conditions and methods of use are beyond the control of UPL NA Inc. and UPL NA Inc. expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.

**End of SDS**