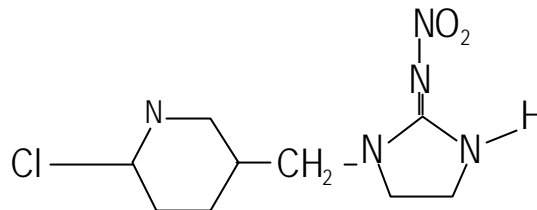


Imidacloprid 20% SL

SECTION 1 PRODUCT IDENTIFICATION

Product Name : **Imidacloprid 20% SL**
Chemical Name: 1-(6-chloro-3pyridylmethyl)-N-nitroimidazolidin-2-ylideneamine (IUPAC)
Chemical Class : Neonicotinoid (systemic insecticide)
Use : Imidor 200 SL is a liquid insecticide formulation containing the active ingredient Imidacloprid, used for the control of sucking insects, also effective against soil insects, termites and some species of biting insects, such as rice water weevil and Colorado beetle.

Structural Formula :



Producer : Jiangsu United Agrochemical Co., Ltd.
Tel: +86-25-86520571

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Substance	Proportions(% w/w)	Chemical structure:
Imidacloprid 96.7% Tech	18.91 (200 20 g/L)	
CAS No.	138261-41-3	
Blend of Surfactants	22.86	
Carrying Solvent	58.23	

SECTION 3 HAZARD IDENTIFICATION

Physical hazards : None

Health hazards

Inhalation : Vapor or spray mist may be harmful if inhaled

Eye : None irritating to the eyes

Skin : None irritating or sensitizing to skin

Ingestion : Harmful if swallowed

SECTION 4 FIRST AID MEASURES

Swallowed : Provided the patient is conscious, wash out mouth with water. Vomiting should only be induced under the direction of a physician. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing vomitus. Immediately transport victim to an emergency facility.

in of

Eye : Irrigate for 15 minutes with copious quantities of water with eyelids held open. If irritation persists, seek medical attention immediately.

Skin : Remove contaminated clothing. Flush skin with running water for a minimum of 20 minutes. If swelling, redness, blistering or irritation occurs seek medical attention immediately.

Inhalation : Remove victim to fresh air. If not breathing, give artificial respiration preferably mouth-to-mouth. If breathing is labored, give oxygen. Obtain immediate medical attention.

Advice to : If ingestion has occurred less than 2 hours earlier, carry out careful gastric lavage; use endotracheal cuff if available, to prevent aspiration. Observe patient for respiratory difficulty from aspiration pneumonitis. Give artificial resuscitation and appropriate chemotherapy if respiration is depressed. Symptomatic treatment and supportive therapy as indicated.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media:

For small fires, use foam carbon dioxide or dry powder extinguishant.
For large files, use foam or water-fog, avoid use of water jet.
Contain run off water with for example, temporary earth barriers.

Fire and Explosion Hazards:

Flash point: >88°C

Combustible liquid: Keep fire exposed containers cool by spraying with water

Fire Fighting Instructions:

Evacuate area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Fire exposed containers can build up pressure and should be kept cool with water spray if possible. Explosive vapor could form from ruptured containers. Dike and collect water used to fight fire to prevent environment damage due to run off. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water run off.
Self - contained breathing apparatus with full face-piece.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Contain spill and absorb with sand or proprietary absorbent (vermiculite). Prevent from entering drains, waterway or sewers. Collect in sealed open top containers for disposal. Generously cover the contaminated areas with common, household detergent brush in a small amount of water, work the detergent into the remaining spilled material forming slurry. Collect slurry in sealed open top container for disposal. This material is water pollutant and should be prevented from drainage systems and bodies of water.

Disposal:

Triple rinse containers, add rinsate to the spray tank, then offer container for recycling/reconditioning, or puncture top, sides and bottom and dispose of in landfill in accordance with local regulations. On-site disposal of concentrate is not acceptable.

Waste disposal should be carried out by industrial incineration or burial at a site approved by local regulations. On-site disposal of concentrate is not acceptable.

Waste disposal should be carried out by industrial incineration or burial at a site approved by local authorities.

SECTION 7 HANDLING AND STORAGE

Keep out of reach of Children:

Use only in a well-ventilated area. Do not reuse empty containers.

Keep the container closed when not use. Keep away from food, feed and drinking water.

Store in a well-ventilated, dry place away from heat and other sources of ignition. Keep from freezing.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:

Natural ventilation only required when handling the concentrate. A local exhaust should be used in confined areas to keep the level of solvent within acceptable limits.

Personnel Protection:

Eye protection	:	Safety glasses or goggles
Clothing	:	Long sleeved shir and long pants, shoes plus socks
Respirator	:	All pesticide handlers must wear a respiratory protection device when working.

User Safety Recommendations:

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

\Assay	: "Imidacloprid" 200 ± 20 g/L
Appearance	: Clear, Light yellow liquid free of visible impurities.
Density	: 1.13Kg/L
pH	: 6.5 - 8.5
Acidity as H₂SO₄	: <1.0 g/Kg
Flash point	: >88°C
Water content	: Not applicable
Solubility in water	: Soluble

SECTION 10 STABILITY AND REACTIVITY

Stability	: Stable under room temperature.
Incompatibility	: Strong oxidizing agents. Acids and alkaline materials.
Hazardous Polymerization	: Will not occur.
Condition to avoid	: Keep away from heat. Keep away from sources of ignition. No smoking.
Hazardous Decomposition Products:	Thermal decomposition products are toxic and may include hydrocarbons ammonia, organic and acid halides, oxide of carbon, nitrogen and sulfur.

SECTION 11 TOXICOLOGICAL INFORMATION

LD50 oral for rat >2,300 mg/Kg

LD50 oral for rat for technical grade material used in the product 450 mg/Kg

SECTION 12 ECOLOGICAL INFORMATION

Keep out of water supplies ground water or open water. This product is very toxic to aquatic organisms. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

Aquatic toxicity fish:	LC50: 237mg/L (96h) golden orfe LC50: 211mg/L (96h) rainbow trout
Aquatic toxicity Daphnia:	E50: 0.055 mg/L(48h) Hyalella azteca. EC50 85mg/L (48 h) water flea (daphnia magna)
Aquatic toxicity Algae:	Growth rate: IC50: > 10mg/L (72h) Green algae (Desmodesmus subspicatus); IC50: > 100 mg/L (72h); Green algae (Selenastrum capricornutum)
Bio-degradability	: In water: half life of 4h.
Bio-accumulation	: None
Mobility	: Immobile.

SECTION 13 DISPOSAL CONSIDERATIONS

General Disposal Guidance

Pesticide Disposal: Do not contaminate water, food, or feed by disposal. Pesticide wastes are acutely hazardous. Waste, including spill or rinsates, and leftover pesticide that cannot be used according to label instructions. Any disposed of according to applicable federal, state or local procedures. Any disposal practice must be in compliance with all Federal, State/provincial and local laws and regulations.

Do not reuse empty container. Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and local regulations. Do not flush to surface water or sanitary sewer systems. Do not reuse original container. Packaging that cannot be cleaned should be disposed of as product waste. Uncontrolled disposal or recycling of this packaging is not permitted and can be dangerous.

SECTION 14 TRANSPORT INFORMATION

UN number : Not Applicable
Proper shipping name : Not Applicable
Class and subsidiary Risk :
Not “dangerous goods” for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
Packing Group : Not Applicable
EPG : Not Applicable
Hazchem code : Not Applicable
Other information : Not dangerous cargo. Keep dry. Keep separated from foodstuffs.

SECTION 15 REGULATORY INFORMATION

Labeling in accordance with directive 88/379/EEC (preparations) and its amendments and adaptations.

EEC hazards classification:

Symbol : Xn,
Hazard description : Harmful
Contains : Imidacloprid 700g/kg

Risk phrases:

R22 : Harmful if swallowed.
R52 : Harmful to aquatic organisms.

SECTION 16 OTHER INFORMATION

Disclaimer: the information and data contained herein are believed to be correct. The recommendations and suggestions for the use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of manufacturer. No guarantee express or implied is made as to the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage, resulting from misuse as such, or in combination with other materials. No statement is to be construed as violating any copyright or patents.