

MATERIAL SAFETY DATA SHEET

Imidor 35% SC

Imidacloprid

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

common name: Imidacloprid

CAS code: 138261-41-3

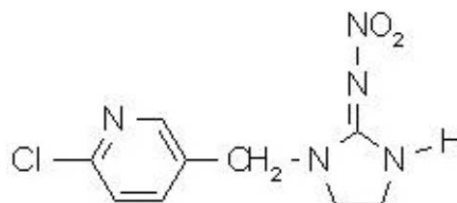
Chemical name: 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine

Chemical family: neonicotinoid

Molecular weight: 255.7

Chemical formulation: C₉H₁₀ClN₅O₂

Chemical structure:



2 . COMPOSITION, INFORMATION ON INGREDIENTS

Hazardous Component Name : Imidacloprid

CAS-No.: 138261-41-3

Average by Weight: 95%

Component	Percentage
Imidacloprid	35 %
Inert Ingredient	65%

3. HAZARDS IDENTIFICATION

Inhalation: Not expected to be harmful if inhaled.

Skin Contact: Not irritation to skin.

Eye Contact: Not irritating to the eyes.

Ingestion: Harmful if swallowed.

4. FIRST AID MEASURES

Ingestion:

Give plenty of water to drink.

Skin Contact:

Remove patient's clothing and wash skin thoroughly with soap and water.

Eye contact:

Irrigate eyes immediately with water for 15 minutes.

Inhalation:

Remove patient to fresh air. Keep rested and warm.

5. FIRE FIGHTING MEASURES

Extinguishing media:

Sprayed water jet, foam, extinguishing powder, carbon dioxide, and sand

Special fire fighting procedures:

Wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

General and Disposal Evacuation procedures and safety:

Do not touch spilled material. Stop leak if possible without personal risk. Reduce vapor with water spray. Small spills: Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal. Small dry spills: Move container away from spill to a safe area. Large spills: Dike for later disposal. Keep unnecessary people away, isolate hazard area and deny entry. Ventilate closed spaces before entering.

Spill and Leak procedures:

Prevent spill from spreading or entering waterways or drains. Take up with absorbent material such as sawdust, peat or binding agent for chemicals. Fill material along with any contaminated soil etc. into sealable containers. Clean affected area with an aqueous detergent and a small amount of water. On completion of clean-up remove and wash all protective clothing and equipment with detergent and water. Any heavily contaminated clothing should be placed in a plastic garbage bag and placed in a sealable drum. Do not smoke, eat or drink during clean-up operation.

7. HANDLING AND STORAGE

Store and handle in accordance with all current regulations and standards. Keep separated from incompatible substances.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection:

Wear splash resistant safety goggles with a faceshield.

Skin protection:

Wear long sleeves and trousers to prevent skin contact.

Ventilation:

Provide local exhaust ventilation system.

9. PHYSICAL AND CHEMICAL PROPERTIES

-CONTENT:	35%
-APPEARANCE:	white liquid
-ODOUR:	Odorless
-SUSPENSIBILITY	90% Min
-DENSITY	0.97 g/cm ³

10. STABILITY AND REACTIVITY

Stability:

Stable at normal temperatures and pressure and hydrolysis at pH 5-11

Conditions to Avoid:

Avoid heat, flames, sparks and other sources of ignition. Containers may rupture or explode if exposed to heat.

Decomposition products proposed: HCl, HCN, CO, Nox

Hazardous Polymerization: will not polymerize.

11. TOXICOLOGICAL INFORMATION

Oral (acute): rat: 2000 mg/kg ie. practically non-toxic

Dermal (acute): rat: > 5000 mg/kg ie. practically non-toxic

Inhalation(acute):

Acute LC50 inhalation - rat: approx. 6000 mg/cubic metre ie. practically non-toxic

Skin Irritation of the skin/rabbit: non-irritant

Eye Irritation: Rabbit: Mild irritation to the conjunctiva was observed with all irritation resolving within 7 days.

Sensitization: Guinea pig: Not a dermal sensitizer.

12. ECOLOGICAL INFORMATION

Not toxic

13. DISPOSAL CONSIDERATIONS

After intended use:

Rinse container before disposal. Add rinsings to the spray tank. Do not dispose of undiluted chemicals on site. Break, puncture, crush and bury rinsed container in a local authority landfill (check local statutory requirements). If not available, bury the container below 500 mm in a marked disposal pit specifically set up for this purpose, clear of waterways, vegetation and roots. Empty container and product should not be burnt.

After spill or accident:

Dispose of sealed containers at an approved local waste disposal site.

14. TRANSPORT INFORMATION

Do not transport with food and feedstuffs.

15. REGULATORY INFORMATION

R phrases: R23/25-48

S phrases: S2/7/9/13/36/39

16. OTHER INFORMATION

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the PRODUCT AS SUCH. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produce formulations containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.