



# CHEMET WETS & FLOWS P. LTD.

AN ISO 9001:2008; ISO 14001:2004; OHSAS 18001:2007 CERTIFIED COMPANY

G-12 Hemkoot Building, B/H LIC Office, Opp. B.M. Institute of Mental Health, Ashram Road, Ahmedabad-380009. Gujarat. INDIA.

Phone : 079-26586091, Fax : 079-26587111 Email : [info@chemet.in](mailto:info@chemet.in) Website : [www.chemet.in](http://www.chemet.in)

## PRODUCT SAFETY DATA SHEET OF IMIDACLOPRID 30.5% SC

### 1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name	N-COUNTER
Technical Name	IMIDACLOPRID 30.5% SC
Chemical Name	1-(6-chloro-3-pyridylmethyl)-N-nitroimidazolidin-2-ylideneamine
Chemical Family	Chloronicotinyl
Uses	Commercial Insecticide
Formula	$C_9H_{10}ClN_5O_2$
Synonyms	Imidacloprid
Supplier	CHEMET WETS & FLOWS P. LTD Plot no. 129/c/2, GIDC Estate, Ankleshwer 393002 Tel: 91-2646 239490
Manufacturer	CHEMET WETS & FLOWS P. LTD Plot no. 129/c/2, GIDC Estate, Ankleshwer 393002 Tel: 91-2646 239490
Emergency Phone No.	02646-239490
Fax No	02646-220254
Environmental, Health and Safety Department	02646-239490 02646-220254
Email id	<a href="mailto:chemetank@gmail.com">chemetank@gmail.com</a>

### 2.COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS No	Percentage
Imidacloprid SC	138261-41-3	30.5%

### 3.HAZARDS IDENTIFICATION

#### Emergency Overview Caution



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## Potential Health Effects

### ROUTE(S) OF ENTRY:

Inhalation; Skin Contact, Eye Contact, Ingestion.

### Human Effects and Symptoms of overexposure:

#### Acute effects of Exposure

No specific symptoms of acute overexposure are known to occur in humans. Based on Toxicity Category criteria, this product are essentially non-toxic by the oral and dermal routes of exposure. In addition, animal studies have shown that this material is minimally irritating to the eye and slightly irritating to the skin.

#### Chronic Effects of Exposure

No specific symptoms of chronic over exposure are known to occur in humans.

#### Carcinogenicity

This product is not listed as Carcinogen.

## 4. FIRSTS AID MEASURES

### Eyes

Hold eyelids open and flush with plenty of water for 15 minutes. Call a physician if irritation persists or develops after flushing.

### Skin

Remove contaminated clothing. Wash skin with soap and water. Get medical attention if irritation persists. If signs of intoxication (poisoning) occur, get medical attention immediately.

### Ingestion

First, remove victim to fresh air or uncontaminated area. If not breathing, give artificial respiration, Preferably mouth-to-mouth. Get medical attention as soon as possible.

### Inhalation

First, remove victim to fresh air or uncontaminated area. If not breathing, give artificial respiration, Preferably mouth-to-mouth. Get medical attention as soon as possible.

### First aid for ingestion

If ingestion is suspected, call a physician or poison control center. Drink one or two glasses of water and induce vomiting by touching back of throat with finger, or if available, by administering syrup of ipecac. If syrup of ipecac is available, administer 1 tablespoonful (15 ml) of syrup of ipecac followed by 1 to 2 glasses of water. If vomiting does not occur within 20 minutes, repeat the dose once. Do not induce vomiting or give anything by mouth to an unconscious person.



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NOTE TO PHYSICIAN: Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

<b>Flash Point</b>	< 93 °C
<b>Extinguishing Media</b>	Water; Carbon Dioxide; Dry Chemical; Foam
<b>Special exposure hazards</b>	Keep out of smoke, cool exposed containers with water spray. Fight fire from upwind position. Use self-contained breathing equipment. Contain run-off by diking to prevent entry into sewers or waterways. Equipment or materials involved in pesticide fires become contaminated.

## 6. ACCIDENTAL RELEASE MEASURES

### Spill of Leak Procedures

Isolate area and keep unauthorized people away. Do not walk through spilled material. Avoid breathing Vapors and skin contact. Wear proper protective equipment. Dislike contaminated area with absorbent granules, soil, sand, etc. If large spill, material should be recovered. Small spills can be absorbed with Absorbent granules, spill control pads, or any absorbent material. Carefully sweep up absorbed spilled material. Place in covered container for reuse or disposal. Scrub contaminated area with soap and Water. Use dry absorbent material such as clay granules to absorb and collect wash solution for proper disposal. Contaminated soil may have to be removed and disposed. Do not allow material to enter streams, Sewers, or other waterways or contact vegetation.

## 7. HANDLING AND STORAGE

<b>Storage temperature (min/mix)</b>	None/30 day average not to exceed 100 F.
<b>Shelf life</b>	Time temperature-dependent, contact CWFPL for specific information.
<b>Special sensitivity</b>	Not established
<b>Handling /storage precautions</b>	Store in a cool dry are designated specifically for pesticides. Do not store near any material Intended for use or consumption by humans or animals.

## 8 .EXPOSURE CONTROLS / PERSONAL PROTECTION

### Required Work/Hygiene Procedures

Exposure during the end-use use of this product is expected to be minimal. End-users should refer to the packaging label for proper handling procedures .However, if exposure to this product is possible while handling large quantities such as in manufacturing, transportation spills or other emergencies, the following personal protection is recommended.

ADI: 0.005 mg/kg



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## Respirator requirements

Nish approved particulate respirator

## Additional protective measures

Clean water should be available for washing in case of eye or skin contamination. Educate and train Employees in safe use of the product. Follow all label instructions. Launder clothing after use. Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form	Liquid
Odor	Slight Characteristics
Color	White to off white
Molecular Weight	255.7 (for Imidacloprid)
Solubility in water	0.61 g/L at 20 <sup>o</sup> C (for Imidacloprid)
Relative Density	1.15
Vapor Pressure	4 x10 <sup>-9</sup> Pa at 20 <sup>o</sup> C 9 x10 <sup>-9</sup> Pa at 25 <sup>o</sup> C
Vapor density	Not established (Air = 1)

## 10. STABILITY AND REACTIVITY

Stability	YES
In compatibilities	With Oxidizing agents.
Conditions to avoid	Avoid excessive heat & flame.
Materials to avoid	Avoid contact with strong oxidizing agents.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

Rat LD50 oral, Rats	695.74 mg/kg bw (technical)
Rat LD50 dermal, Rats	>2000 mg/kg bw(technical)
Skin irritation	Non-irritant to skin of rabbits
Eye irritation	Mild-irritant to eye of rabbits
Skin sensitization	Non-sensitiser to skin of Guinea pigs

### Long term studies

Carcinogenicity	Non-carcinogenic in rat and mice
Mutagenicity	Non-mutagenic
Reproductive toxicity	Non-reprotoxic and teratogenic



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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Fish, golden orfe	LC50 (96 h): 237 mg/l (Imidacloprid)
Daphnia magna	LC50 (48 h) 85 mg/l (Imidacloprid)
Algae, Pseudokirchneriella subcapitata	EC50: >100 mg/l (Imidacloprid)
Bees	Imidacloprid is harmful to honeybees by direct contact, but no problems expected when not sprayed into flowering crop or when used as a seed treatment.
Earthworms, Eisenia foetida	LC50 :10.7 mg/kg dry soil. (Imidacloprid)
Birds, Japanese Quails	LD50: 31 mg/kg (Imidacloprid)
Mobility	Imidacloprid and soil metabolites are to be classified as immobile; leaching into deeper soil layers is not to be expected if Imidacloprid is used as recommended.
Persistence and degradability	Environmental DT50 c. 4 h. Besides sunlight, the microbial activity of a water/sediment system is an important factor for the degradation of Imidacloprid.

## 13. DISPOSAL CONSIDERATIONS

### Waste disposal method

Follow container label instructions for disposal of wastes generated during use in compliance with the product label.

## 14. TRANSPORT INFORMATION

UN NUMBER	2902
UN CLASS	6.1
UN PG	III
Proper Shipping Name	Pesticide liquid, Toxic, N.O.S.
Additional Information	Imidacloprid designated as marine pollutant.



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## 15. REGULARTY INFORMATION

None.

## 16. OTHER INFORMATION

None.

## DISCLAIMER

All reasonable care has been exercised in processing your request for information on the chemical listed in this Material Safety Data Sheet. No warranty is made, either expressed or implied and Perisseuma Projects does not hold itself liable for any injury, illness, loss or misinterpretation arising from the use of this data. CHEMET WETS & FLOWS P.LTD makes no warranty expressed or implied in respect of the adequacy of this document for any particular purpose.

## PREPARED BY:

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