



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 Website : www.chemet.in

PRODUCT SAFETY DATA SHEET OF IMIDACLOPRID 2.15% GEL

1. CHEMICAL PRODUCT IDENTIFICATION

Trade Name	N-CROACH GEL
Technical Name	IMIDACLOPRID 2.15% GEL
Chemical Family	Chloro-nicotinyl
Chemical Name	1-((6-chloro-3-pyridinyl)methyl).N-nitro. 2-imidazolidinimine
Synonyms	Imidacloprid
Formula	C ₉ H ₁₀ ClNSO ₂
Product Use	Commercial house hold Insecticide
Supplier	CHEMET WETS & FLOWS P. LTD Plot no. 129/c/2, GIDC Estate, Ankleshwer 393002 Tel: 91-2646 239490
Manufacture	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
E mail Id	chemetank@gmail.com

2.COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS NO	Water Base
Imidcloprid GEL	138261-41-3	2.15%



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3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW CAUTION

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 EPA 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 overexposure are known to occur in humans.

CARCINOGENICITY: No specific medical conditions are known which may be aggravated by exposure to this product.

4. FIRST AID MEASURES

First aid for Eye

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

First aid for 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.

First Aid For Inhalation

First, remove victim to fresh air or uncontaminated area. If not breathing, give artificial respiration, Preferable by 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.

Note to Physician

Treat symptomatically.



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5. FIRE FIGHTING MEASURES

Flash Point

N.A

Extinguishing Media

Water, Carbon Dioxide, Dry Chemical, Foam SPECIAL FIRE FIGHTING PROCEDURES. 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 or 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. Dike 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

Storage Temperature(min/max)

None/30 day average not to exceed 100 F.

Shelf life

Time temperature-dependent, contact CWFPL for specific information.

Special Sensitivity

Not established

Handling /storage Precautions

Store in a cool dry area designated specifically for pesticides. Do not store near any material intended for use or consumption by humans or animals.

8. PERSONAL PROTECTION

Required work/ Hygiene Procedures

Exposure during the end-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.



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Eye Protection Requirements

Safety glasses

Skin Protection Requirement

Long sleeves and trousers

Hand Protection Requirement

Chemical-resistant gloves such as latex or nitrile.

Respirator Requirement

NIOSH(national institute of occupational safety & health)-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. Launder clothing after use. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form

Gel

Color

White to beige

Odor

Weak, characteristics

Solubility in Water

Miscible

Density

Ca. 1.21 cm³ at 20°C

Flammability

Not highly Flammable

% Volatile by volume

Not established

10. STABILITY AND REACTIVITY

Stability

This is a stable material.

Hazardous Polymerizing

Will not occur.

Incompatibilities

None known

Instability Conditions

None known

Decomposition Products

None known



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11. TOXICOLOGICAL INFORMATION

Only acute studies have been performed on this product as formulated. The non acute information pertains to the active ingredient, imidacloprid.

Acute Toxicity

ORAL LD50- Male and Female Rat: >5000 mg/kg

DERMAL LD50: Male & Female Rat: >5000 mg/kg

INHALATION LC50: No Data Available

Eye Effects

Rabbit: Minimum irritation to the lids and conjunctiva wash observed with all irritation cleared by 48 hours post-treatment

Skin Effects

Rabbit: Slight dermal irritant.

Sensitization

Guinea Pig: Not a dermal sensitizer.

Chronic Toxicity

Imidacloprid caused thyroid and/or liver effects in chronic dietary studies in rats and dogs.

Mutagen city

The imidacloprid mutagen city studies, taken collectively, demonstrate that the active ingredient is not gens toxic or mutagenic.

Reproduction & Development Toxicity

REPRODUCTION: Imidacloprid was not a reproductive toxicant in a multi generation study in rats.

DEVELOPMENTAL TOXICITY: Imidacloprid is not considered a primary developmental toxicant in rats and rabbit .Development effects were observed that caused maternal toxicity.

Neurotoxicity

Imidacloprid showed slight behavioral and actually changes only at the highest does tested in neurotoxicity studies in rats. There were no correlating morphological changes observed in neural tissues.

12. ECOLOGICAL INFORMATION

The active ingredient in this product has been thoroughly evaluated for ecological effects. As with any pesticide, this product should be used according to label directions.



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13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

Follow container label instructions for disposal of wastes generated during use in compliance with the product label. In other situations, bury in an EPA approved landfill or burn in an incinerator approved for pesticide destruction. Do not reuse container.

14. TRANSPORTATION INFORMATION

UN Number	3077
Class	7
Packing Group	III
Description	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (IMIDACLOPRID MIXTURE)

15. REGULATORY 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.

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