
MATERIAL SAFETY DATA SHEET

OVADOS 300SC

SECTION 1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Name: Imidacloprid 200g/lit + Beta-Cypermethrin 100g/lit SC

Chemical Name: (Imidacloprid) 1-(6-chloro-3-pyridylmethyl)-N-nitroimidazolidin-2-ylideneamine;
(beta-cypermethrin) alpha-cyano-3-phenoxy benzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropane-carboxylate

Company Name: Wemax Agro Ltd.

CAS No. of Active Ingredient:

(Imidacloprid) 138261-41-3; (beta-cypermethrin) 86753-92-6

Molecular formula:

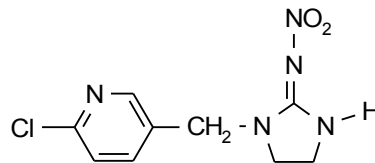
(Imidacloprid) C₉H₁₀ClN₅O₂; (beta-cypermethrin) C₂₂H₁₉Cl₂NO₃

Molecular weight:

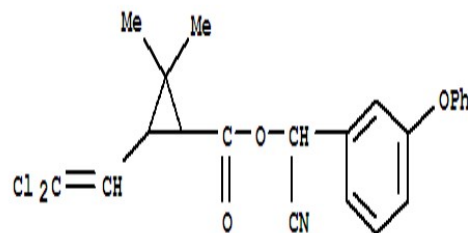
(Imidacloprid) 255.7; (beta-cypermethrin) 416.35

Structure of active ingredient:

(Imidacloprid)



(beta-cypermethrin)



SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

Composition	Percent
Imidacloprid	200g/lt
Beta-Cypermethrin	100g/lt

SECTION 3 HAZARDS IDENTIFICATION

Emergency Overview Caution! Harmful if absorbed through skin. Harmful if swallowed. Moderate eye irritation. Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after handling.

Exposure routes

Skin Absorption, Eye contact, Ingestion

Immediate Effects

Eye: May cause mild irritation to eyes. Do not get in eyes.

Skin: Harmful if absorbed through skin. Avoid contact with skin and clothing. May cause light irritation.

Ingestion: Harmful if swallowed. Do not take internally.

Inhalation: Avoid contact or inhalation of spray mist.

Chronic or Delayed Long-Term

This product does not contain any ingredients designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

Potential Environmental Effect

Extremely toxic to fish and aquatic invertebrates. Toxic to bees.

SECTION 4 FIRST AID MEASURES

Inhalation

Move to fresh air. When symptoms persist or in all cases of doubt seek medical advice.

Skin contact

Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a physician or poison control center immediately.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.

Ingestion

Do NOT induce vomiting. Call a physician or poison control center immediately. Rinse mouth.

Notes to physician

Symptoms

Local: Skin and eye paraesthesia which may be severe, usually transient with resolution within 24 hours. Skin, eye and mucous membrane irritation, cough, sneezing.

Systemic: Discomfort in the chest, tachycardia, hypotension, nausea, abdominal pain, diarrhoea, vomiting, dizziness, blurred vision, headache, anorexia, somnolence, coma, convulsions, tremors, prostration, airway hyperreaction, pulmonary oedema, palpitation, muscular fasciculation, apathy.

Treatment

Treat symptomatically. Monitor: respiratory and cardiac functions. In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable.

SECTION 5 FIRE FIGHTING MEASURES

Suitable extinguishing media

Water spray

Carbon dioxide (CO₂)

Foam

Dry chemical

Hazards from combustion products

In the event of fire dangerous gases may evolve.

Precautions for fire-fighting

In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus. Wear self-contained breathing apparatus and protective suit. Contain the spread of the fire-fighting media. Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid contact with spilled product or contaminated surfaces.

Use personal protective equipment.

When dealing with a spillage do not eat, drink or smoke.

Environmental precautions

Do not allow to get into surface water, drains and ground water. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods for cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Clean contaminated floors and objects thoroughly, observing environmental regulations. Keep in suitable, labeled and closed containers for disposal.

Additional advice

Information regarding personal protective equipments, see section 8. Information regarding waste disposal, see section 13.

SECTION 7 HANDLING AND STORAGE

Handling

Hygiene measures:

Avoid contact with skin, eyes and clothing.

Keep working clothes separately.

Remove soiled clothing immediately and clean thoroughly before using again.

Garments that cannot be cleaned must be destroyed (burnt).

Wash hands before breaks and immediately after handling the product.

Storage

Requirements for storage areas and containers:

Store in original container.

Store in a place accessible by authorized persons only.

Keep containers tightly closed in a dry, cool and well-ventilated place.

Advice on common storage:

Keep away from food, drink and animal feedingstuffs.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment - End user

Respiratory protection: No personal respiratory protective equipment normally required.

Hand protection: Elbow-length PVC or nitrile gloves.

Skin and body protection: Cotton overall buttoned to the neck and wrist.

Engineering Controls

Advice on safe handling:

Use only in area provided with appropriate exhaust ventilation.

SECTION 9 PHYSICAL PROPERTIES

Appearance

Form: yellow liquid

pH: ca. 6.9 (10 %)

Flash point: > 50C.

Density: 1.16 g/cm³

Water solubility: Miscible

SECTION 10 STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions.

Materials to avoid: Strong acids, Bases, Strong oxidizing agents

Hazardous decomposition products:

Thermal decomposition can lead to release of:

Hydrogen chloride (HCl)

Hydrogen cyanide (hydrocyanic acid)

Hydrogen fluoride

Carbon monoxide

Nitrogen oxides (NO_x)

Hazardous reactions: No hazardous reactions when stored and handled according to prescribed instructions.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute oral: LD₅₀ for rats 822 mg/kg

Acute dermal: LD₅₀ for rabbits > 3000 mg/kg

LD₅₀ for rats >3000mg/kg

Acute inhalation: LC₅₀ (4h) for rats > 3.12 mg/l

Skin and eye irritation: Non-irritant to rabbits skin and eyes.

Sensitization: not a skin sensitizer (guinea pigs)

Class: WHO(ai) II.

Chorinic toxicity:

NOEL (2 y) for dogs 5, rats 7.5 mg/kg.

Special studies:

It is non-teratogenic, non-mutagenic and non-genotoxic, but possible human carcinogen.

SECTION 12 ECOLOGICAL INFORMATION

Toxicity to fish: LC₅₀ for carp 0.9386mg/l, for rainbow trout 2.34mg/l.

Toxicity to birds: LD₅₀ for Mallard Ducks > 5000 mg/kg.

LD₅₀ for northern bobwhite quail > 5000mg/kg.

Toxicity to honeybee: LC₅₀ of 0.0141ug/bee to honey bee.

Toxicity to Daphnia: EC₅₀ o for *Daphnia magna* 0.56mg/l.

Toxicity to earthworm: LD₅₀ for earthworm, *Lampito mauritii* >1000mg/kg soil.

SECTION 13 DISPOSAL CONSIDERATIONS

Metal drums and plastic containers

Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

SECTION 14 TRANSPORTATION INFORMATION

ADG

UN-Number **3082**

Class 9

Subsidiary Risk None

Packaging group III

Description of the goods ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

According to AU01, Environmentally Hazardous Substances in packagings, IBC or any other receptacle not exceeding 500 kg or 500 L are not subject to the ADG Code.

IMDG

UN-Number **3082**

Class 9

Subsidiary Risk None

Packaging group III

EmS F-A , S-F

Marine pollutant YES

Description of the goods ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

IATA

UN-Number **3082**

Class 9

Subsidiary Risk None

Packaging group III

Environm. Hazardous Mark YES

Description of the goods ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
