



MATERIAL SAFETY DATA SHEET
INDOX 15SC™

SECTION 1 Chemical product and Company identification

Product Name: Indox 15SC™

Chemical name: : methyl (S)-N-[7-chloro-2,3,4a,5-tetrahydro-4a-(methoxycarbonyl)indeno [1,2-e]
[1,3,4]oxadiazin-2-ylcarbonyl]-4'-(trifluoromethoxy)carbanilate

Formula: C₂₂H₁₇ClF₃N₃O₇

Chemical Class: Oxadiazine

Product Use: Commercial Herbicide

Supplier: SINERIA HOLLAND BV
Randwycksingel 20-A015
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www.sineria.com

SECTION 2 Composition/Information on Ingredients

<u>Product Name</u>	<u>Concentration</u>	<u>CAS RN</u>
Indoxacarb	150 gr/lit	144171-61-9, 173584-44-6

SECTION 3 Hazards Identification

Emergency Overview: Caution! Harmful if swallowed. Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Harmful if inhaled. Avoid breathing (dust, vapor or spray mist). Remove contaminated clothing and wash clothing before re-use. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

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Potential Health Effects: May cause mild eye irritation with tearing, pain or blurred vision. Insecticide may cause irritation with itching, burning, redness, swelling or rash. Cause skin sensitization with allergic rashes.

Based on data from animal testing, ingestion of large amounts may cause alteration in blood cell counts and/or anemia.

Carcinogenicity Information: None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

SECTION 4 First Aid Measures

Ingestion: If swallowed, immediately call a poison control center or doctor for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

Inhalation: Move person to fresh air. If person is not breathing, call an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Eye contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment.

Skin Contact: Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Note: Have the product container or label with you when calling a poison control center, a doctor or when going for treatment.

SECTION 5 Fire Fighting Measures

Suitable extinguish media: Dry chemical, carbon dioxide, foam and water.

Flash Point: 103.3°C

Auto-ignition: 266.5°C

Fire-fighting instructions: Keep personnel away and upwind of fire. Wear self-contained breathing apparatus. Wear full protective equipment. Runoff from fire control may be a pollution hazard. If area is exposed to fire and conditions permit, let fire burn itself out. Burning chemicals may produce by-products more toxic than the original material. If product is on fire, wear self-contained breathing apparatus and full protective equipment. Use water spray. Properly control possible runoff.



SECTION 6 Accidental release measures

General and disposal: Use proper protective equipment to minimize personal exposure. Take all necessary action to prevent and to remedy the effects of the spill. Ensure that the disposal is in compliance with regulations.

Land spill or leaks:

Small spill: Absorb with an inert absorbent material such as granular clay, saw dust or pet litter. Sweep up carefully while avoiding the formulation of a dust cloud. Place in an approved chemical waste container for disposal. Rinse spill area with small amount of soapy water. Contain and absorb the rinsate with inert absorbents and place into the same disposal container. Area can be washed with water to remove the last trace residue. Do not allow water to contaminate water supplies or sewers.

Large spill: Eliminate all ignition sources. Stop leak if you can do so without coming into contact with spilled material. Dike far ahead of liquid spill for later disposal. All equipment used to clean up spill should be grounded. Prevent entry into waterways, sewers, basements or confined areas. Inform appropriate authorities immediately if contamination occurs.

SECTION 7 Handling and storage

Handling: Avoid contact with eyes or clothing. Do not use near heat or open fire.

Users Should: 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. Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Storage: Store in a cool and dry place out of reach of children. Keep container tightly closed. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.

SECTION 8 Exposure controls/Personal protection

- Control airborne concentrations below the exposure guidelines. Local exhaust ventilation may be necessary.

Eye and face protections: Safety glasses, splash goggles or face-shield.



Skin protections: Long-sleeved shirt and long pants, chemical resistant gloves (Category A - such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber,) proper watertight footwear. Wash contaminated skin promptly. Launder contaminated clothing and clean protective equipment before reuse. Wash hand thoroughly after handling.

Respiratory protection: Ensure adequate ventilation. If not adequate, use a chemical cartridge-type respirator.

SECTION 9 Physical & Chemical properties

Appearance: Off white oily liquid

pH: 4.55

SECTION 10 Stability & Reactivity

Stability: Stable under normal condition

Hazardous Polymerization: Will not occur

Incompatibilities: Will not occur

SECTION 11 Toxicological Information

Acute Toxicity /Irritation Studies

Ingestion: Acute oral LD₅₀ 3619 mg/kg in male rats & 751 mg/kg in female rats (Slight toxicity)

Dermal: Acute LD₅₀ (Rats) >5000 mg/kg

Inhalation: 4 hour LC50: >2.7 mg/L in rats

Eye Contact: Not Irritating

Skin Contact: Slightly irritating

Skin Sensitization: Skin sensitizer

Chronic Toxicity Studies

Carcinogenicity: Not found

Mutagenicity: Not found

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Reproduction: Not found

SECTION 12 Ecological Information

Toxicity to Birds:

- Acute Oral LD₅₀ for Bobwhite Quail 98 mg/kg
- Acute Dietary LC₅₀ for Bobwhite Quail 808 ppm
- Acute Dietary LC₅₀ for Mallard Duck >5.620 ppm

Toxicity to Aquatic Organisms:

- 96 hour LC₅₀ - Rainbow trout: 0.65 mg/L. Highly toxic.
- 96 hour LC₅₀ - Bluegill sunfish: 0.90 mg/L. Highly toxic.
- 48 hour LC₅₀ - Daphnia magna: 0.60 mg/L. Highly toxic.

NOTE: The above Aquatic Toxicity and Avian Toxicity is for DPX-MP062 (containing 75% Indoxacarb, active ingredient.)

SECTION 13 Disposal Considerations

Do not contaminate water, food, or feed by disposal. Empty containers should be triple rinsed into the spray tank during operation. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incinerating, or if allowed, by burning. If burned, stay out of smoke.

If these wastes cannot be disposed of by use according to label instructions, contact your local agency for guidance.

SECTION 14 Transport Information

DOT/IMO

Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (INDOXACARB)

Hazard Class: Class 9

UN No.: UN3082

Packing Group: PG III

Marine Pollutant: Yes

SECTION 15 Regulatory Information

UNEP Persistent Organic Pollutant: Not listed

UNEP Prior Informed Consent Chemical (PIC): Not listed

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WHO Obsolete Pesticide: Not listed

SECTION 16 Other Information

The information contained in the Material Safety Data Sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as a warranty or as a specification. The information relates only to the product specified and may not be suitable for use with other materials or in processes other than those specifically described herein.

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