

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE AND THE SUPPLIER

Product name:	Indoxacarb 150G/L SC
Other name:	/
Recommended use of the chemical and restrictions on use	Insecticide
Supplier name:	Shandong Weifang Rainbow Chemical Co., Ltd.
Supplier address:	Binhai Economic Development Area, Weifang, Shandong, China
Supplier phone:	+86-531-88875222, 88875231
Supplier fax:	+86-531-88875232, 88875224
Emergency phone number:	+86-531-88875222

2. HAZARDS IDENTIFICATION

Hazard statement(s):

Harmful if swallowed or inhaled.
Very toxic to aquatic organism.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration
Indoxacarb	173584-44-6	150g/L
Other ingredients		Up to 1L

4. FIRST AID MEASURES

Description of necessary first aid measures

Inhalation: Move the victim into fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and consult a doctor immediately. Do not use mouth to mouth resuscitation if the victim ingested or inhaled the chemical.

Skin contact: Take off contaminated clothing immediately. Wash off with soap and plenty of water. Consult a doctor.

Eye contact: Rinse with pure water for at least 15 minutes. Consult a doctor.

Ingestion: Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor or Poison Control Center immediately.

Most important symptoms/effects, acute and delayed

Irritation of eye and upper respiratory passages. Cough, blurred vision, redness, swelling or rashes on skin.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the chemical:

Carbon oxides, Nitrogen oxides (NO_x)

Special protective actions for fire-fighters:

Wear self-contained breathing apparatus for firefighting if necessary.

Remove spectators from surrounding area. Remove container from fire area if possible without risk. Eliminate all ignition sources in immediate area. Fight fire from maximum distance. For massive fire, use unmanned hose holder or monitor nozzles. Contain fire control agents for later disposal. Use a recommended extinguishing agent for the type of surrounding fire. Avoid inhaling hazardous vapours. Keep upwind.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Avoid dust formation. Avoid breathing mist, gas or vapours. Avoid contacting with skin and eye. Use personal protective equipment. Wear chemical impermeable gloves. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Methods and materials for containment and cleaning up:

Use clean, non-sparking tools to collect absorbed material. Soak up with absorptive material such as damp earth or sand or other suitable non-combustible absorbent material. Place the material into a clean, dry container and cover for subsequent disposal. In situations where product comes in contact with water, contain contaminated water for later disposal. Prevent material from spreading by damming in with absorptive material. Do not flush spilled material into drains. Keep spectators away and upwind. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

7. HANDLING AND STORAGE

Precautions for safe handling:

Handling in a well-ventilated place. Wear suitable protective clothing. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Use non-sparking tools. Prevent fire caused by electrostatic discharge steam.

Conditions for safe storage, including any incompatibilities:

Store the container tightly closed in a dry, cool and well-ventilated place. Store apart from foodstuff containers or incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate engineering controls:

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk-elimination area.

Personal protective equipment:

Respiratory protection: If the exposure limits are exceeded, irritation or other symptoms are experienced, use a full-face respirator.

Eye protection: Wear tightly fitting safety goggles with side-shields or face shield.

Skin and body protection: Wear protective clothing including chemical impermeable gloves, long sleeved shirt, long pants, shoes and socks.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color etc.):	Off-White liquid
Odor:	Oily odour
Flashpoint:	>100°C
Flammability (solid, gas):	No data available
pH	6.0-8.0
Explosivity:	No explosive properties.
Corrosive	Non-corrosive
Oxidation	No oxidant
Solubility(ies):	0.2 mg/L in water at 20°C

10. STABILITY AND REACTIVITY

Chemical stability:

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Stable under normal condition.

Incompatible materials:

Strong oxidizing agents

Hazardous decomposition products:

No data available

11. TOXICOLOGICAL INFORMATION

Numerical measures of toxicity:

Acute oral LD50:	751 mg/kg in the rat
Acute dermal LD50:	>5000 mg/kg in the rabbit
Acute inhalation LC50:	>2.70 mg/L in the rat, 4h (whole body)
Skin irritation:	Slightly skin irritant
Eye irritation:	No irritating
Skin sensitization:	Mild skin sensitizer

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Birds - Acute LD50:	98 mg/kg in the Bobwhite quail
Fish - Acute 96 hour LC50:	0.65 mg/L in the Rainbow trout
Honeybees - acute 48 hour LD50	0.26 µg/bee

13. DISPOSAL CONSIDERATIONS

Safe handling of waste residues and disposal methods:

Product:

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

Contaminated packaging:

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill.

14. TRANSPORT INFORMATION

UN number:

3082

UN proper shipping name:

Environmentally hazardous liquid substance, n.o.s.

Transport hazard class(es):

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Packing group, if applicable:

III

15. REGULATORY INFORMATION

The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given.

Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and /or local laws.

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16. OTHER INFORMATION

The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.