SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name:	**Kenso Agcare Indy 150 OD Insecticide**
Product Type:	Group 22A Insecticide
Company Name:	Kenso Corporation (M) Sdn Bhd
Address:	Level 1, 98 Commercial Road, Teneriffe, 4005 QLD.
Telephone Number:	(07) 3216 1188
Emergency Telephone Number:	000 (Police or Fire Brigade) **13 11 26 (Poisons Information Centre)**
Use:	For the control of various species of insect pests in Adzuki beans, Chickpeas, Cotton, Faba beans, Mung beans and Soybeans as per the Directions for Use.

SECTION 2 – HAZARDS IDENTIFICATION

Hazard Classification: Classified as hazardous according to criteria of Safe Work Australia.
Not classified as a Dangerous Good according to the ADG Code.

Classification of the Hazardous Chemical:
Acute toxicity (Oral) – Category 4
Skin sensitization – Category 1
Acute toxicity (Inhalation) – Category 4
Specific target organ toxicity (Repeated exposure) – Category 1
Hazardous to the aquatic environment, long-term – Chronic 1

GHS Signal Word: **DANGER**

Hazard statements:
H302: Harmful if swallowed.
H317: May cause an allergic skin reaction.
H332: Harmful if inhaled.
H372: Causes damage to organs through prolonged or repeated exposure.
H410: Very toxic to aquatic life with long lasting effects.

Prevention:
P260: Do not breathe dust/fume/ gas/mist/ vapours/spray.
P261: Avoid breathing dust/fume/ gas/mist/ vapours/spray.
P264: Wash contacted area thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.

	P302+P352: IF ON SKIN: Wash with plenty of soap and water. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312: Call a POISON CENTER or doctor/physician if you feel unwell. P314: Get medical advice/ attention if you feel unwell. P321: Specific treatment (see FIRST AID on this label) P330: Rinse mouth. P333+P313: If skin irritation or rash occurs: Get medical advice/ attention. P362+P364: Take off contaminated clothing and wash it before reuse. P391: Collect spillage.
Disposal:	P501: Dispose of contents and containers as specified on the registered label.
SUSMP Classification:	S6
ADG Classification:	N/A
UN Number:	N/A

Emergency Overview

Physical Description & colour: Ivory liquid.
Odour: Oily
Major Health Hazards: Harmful if swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. Repeated exposure may cause allergic disorders.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	Proportion
Indoxacarb	173584-44-6	15%
Related isomer	-	6%
Inert ingredients	secret	to 100%

SECTION 4 – FIRST AID MEASURES

Inhalation:	Remove to fresh air. Give artificial respiration or oxygen if breathing is shallow or stopped. Get medical attention immediately.
Skin contact:	Remove contaminated clothing and wash affected areas or skin with soap and water. Seek medical advice if irritation develops.
Eye contact:	Hold the eyes and flush immediately with plenty of water. Seek medical advice if irritation develops.
Ingestion:	Call a doctor or poison center immediately. DO NOT induce vomiting unless directed to do so. Never give anything by mouth to an unconscious person. If the person is alert, rinse mouth thoroughly with water.

Advice to Doctor:
Treatment is symptomatic. No specific antidote available.

SECTION 5 – FIRE FIGHTING MEASURES

Fire/Explosion Hazard
Dangerous Decomposition or Combustion Products
Thermal Decomposition
There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Some composition may burn but none ignite readily.
Fire decomposition products (carbon dioxides and nitrogen oxides) from this product may be toxic if inhaled. Take appropriate protective measures.
Extinguishing Media
Extinguish fire with foam, dry powder, carbon dioxide or water spray.
Fire Fighting
If a significant quantity of this product is involved in a fire, call the fire brigade. Firefighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). Keep unnecessary people away. If it can be done safely, remove intact containers from the fire. Otherwise, use water spray to cool them. Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of fire control water or other extinguishing agent and spillage safely later. Do not release contaminated water into the environment.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spills & Disposal
Ensure suitable personal protection (including respiratory protection) during removal of spillage. Contain spill and absorb with sand or other absorbent material. Do not allow to enter drains, sewers and watercourses. Collect in sealed open top container for disposal.
Triple rinse containers, add rinsings to spray tanks and send containers to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.

SECTION 7 – HANDLING AND STORAGE

Handling
When handling this product, do not eat, drink or smoke. Harmful if swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. Repeated exposure may cause allergic disorders.
Sensitive workers should use protective clothing. When opening the container, preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrists, a washable hat and elbow-length PVC gloves. Wash hands after use. After each day's use, wash gloves and contaminated clothing.
Storage
Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Keep from contact with fertilisers and seeds.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:
No specific exposure standards have been set for this product.
Engineering Controls
Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.
Personal Protection
Skin: When opening the container, preparing spray and using prepared spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow length PVC gloves and goggles. Wash thoroughly before smoking, eating or using toilet facilities. Wash hands after use.
Eye Protection: Where potential for splash, spray or mist exists, wear chemical protective goggles or a full face shield. Emergency eye wash facilities would be located nearby. Avoid contact with the eyes.
Respiratory Protection: Generally not required. Use of a respirator may be required in certain circumstances to protect from inhalation of spray mist.
Personal Hygiene: Wash skin before eating, drinking or smoking. Shower at the end of the workday.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form:	Suspension Liquid
Colour:	Ivory liquid
Odour:	oily
Boiling Point (°C):	100º C
Vapour Pressure:	Not available
Specific Gravity:	1.05 ± 0.05
Flashpoint:	103.9ºC
Flammability:	Not flammable
Solubility:	Dispersible

SECTION 10 – STABILITY AND REACTIVITY

Chemical stability
This material is stable under normal use and storage conditions.
Conditions to avoid
Avoid extremes of temperatures and conditions.
Incompatible Materials
Incompatible with strong acids and strong bases.
Hazardous decomposition products
Carbon dioxide and nitrogen oxides may be generated under extreme heat conditions or in a fire.
Hazardous reactions
None known.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity – Oral
LD_{50} rat: 1000 mg/kg
Acute Toxicity – Dermal
LD_{50} rat: > 2000 mg/kg
Acute Toxicity – Inhalation
Inhalation LC_{50} rat: > 2.25 mg/L (4 h)
Skin Irritation
Non-irritant to rabbit skin
Eye Irritation
Non-irritant to rabbit eyes
Sensitisation
Not a skin sensitizer to guinea pigs

Potential Health Effects

Acute:

Inhalation: Harmful if inhaled.

Skin contact: Non-irritating to skin. Can cause mild skin sensitization.

Eye contact: Non-irritating to eyes.

Ingestion: Harmful if swallowed.

Chronic:
Indoxacarb is not mutagenic, teratogenic or carcinogenic.

Other information
Australia ADI for indoxacarb is set at 0.01 mg/kg/day with corresponding NOEL is set at 1 mg/kg/day.
**ADI= Acceptable Daily Intake; NOEL: No Observable Effect Level. Data adopted from Australia ADI List, September 2024.*

SECTION 12 – ECOLOGICAL INFORMATION

Very toxic to aquatic life with long lasting effects. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.
Ecotoxicity
Fish toxicity: LC_{50} (96 h) rainbow trout 0.65 mg/L
Bird toxicity: LD_{50} bobwhite quail 98 mg/kg
LD_{50} (5 day) mallard duck > 5620 mg/kg
Daphnia toxicity: LC_{50} (48 h) *Daphnia magna* 0.60 mg/L
Algae toxicity: EC_{50} (96 h) > 0.11 mg/L
Environmental fate, persistence and degradability, mobility
Not easily biodegradable. Considered to be moderately persistent and immobile.

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal: Instructions concerning the disposal of this product and its containers are given on the product label. These should be carefully followed.

SECTION 14 – TRANSPORT INFORMATION

ADG

UN Number:	3082
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (contains INDOXACARB)
Class:	9
Packaging group:	III
Hazchem:	3Z
Storage and Transport:	Considered non dangerous for road and rail transport (in packaging) by the Australian Code for Transport of Dangerous Goods by Road and Rail. Ref: ADG7; SP No. AU01.

IMO-IMDG

UN Number:	3082
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (contains INDOXACARB)
Class:	9
Packaging group:	III
Marine pollutant:	Yes

SECTION 15 – REGULATORY INFORMATION

SUSMP Classification	S6
Packaging & Labelling	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING

SECTION 16 – OTHER INFORMATION

This SDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail
CAS number	Chemical Abstracts Service Registry Number
Hazchem Number	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer

NOHSC	National Occupational Health and Safety Commission
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number
GHS	Globally Harmonised System

CONTACT POINT:

Police and Fire Brigade:	Dial	000
National Poisons Information Centre:	**Dial**	**13 11 26 (from anywhere in Australia)**
For 24 hour emergency response:	Dial	1800 951 288 03 9573 3188