

# Safety Data Sheet

Issue No: 1.0

1<sup>st</sup> Edition: January 2019

## 1. IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

Product Name: **InCide 300 WG**  
 Recommended Use: Agricultural Insecticide  
 Supplier: ICA International Chemicals (Pty) Ltd  
 Address: 28 Planken Street  
 Plankenbrug Industrial  
 STELLENBOSCH · 7600 · SOUTH AFRICA  
 Telephone No: +27 (0) 21 886 9812  
 Fax No: +27 (0) 21 886 8209  
 Emergency Tel No: Griffon Poison Information Centre +27 82 446 8946  
 Poisons Helpline 0861 555 777

## 2. HAZARD IDENTIFICATION ON PRODUCT

GHS classification of product Acute Toxicity Category 4  
 Acute Aquatic toxicity Category 1  
 Chronic aquatic toxicity: Category 1  
 STOT – single exposure Category 2 (Central nervous system)  
 STOT - repeated exposure Category 2 (Blood)

GHS Label elements



Signal Word **Warning**

Hazard Statements H302 Harmful if swallowed  
 H371 May cause damage to organs (Central nervous system)  
 H373 May cause damage to organs (blood-oxidant-induced effects on red blood cells) through prolonged or repeated exposure  
 H410 Very toxic to aquatic life with long lasting effects

Precautionary Statements P101 If medical advice is needed: Have product container or label at hand  
 P102 Keep out of reach of children  
 P260: Do not breathe dust/ spray.  
 P264 Wash thoroughly after handling.  
 P270: Do not eat, drink or smoke when using this product.  
 P271: Use only outdoors or in a well-ventilated area.  
 P273 Avoid release to the environment.  
 P301+312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  
 P308 +P311 If exposed or concerned: Call a POISON CENTER/Doctor.  
 P330: IF SWALLOWED: Rinse mouth.  
 P314: Get medical advice/attention if you feel unwell.  
 P391 Collect spillage.  
 P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P405 Store locked up.  
 P501 Dispose of container and contents in accordance with local/national regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT(s)	CAS NO:	Concentration (g/l)
Indoxacarb	173584-44-6	300
Other ingredients		700

### 4. FIRST AID MEASURES

**Show this SAFETY DATA SHEET to a doctor.**

- INHALATION:**
- Treat symptomatically. Remove patient from source of exposure and move to fresh air.
  - Get medical advice if feeling unwell.
- SKIN:**
- Treat symptomatically. Remove contaminated clothing and take a shower.
  - Wash affected areas (skin) immediately with soap and plenty of water.
  - Wash contaminated clothing before re-use
  - If skin irritation or allergic reaction occurs: Get medical attention/advice
- EYES:**
- Treat symptomatically. Remove any contact lenses. Rinse eyes immediately with plenty of clean water for at least 15 minutes. Hold eyelids apart while flushing.
  - Seek medical help if irritation continues.
- INGESTION:**
- Obtain medical attention. DO NOT induce vomiting unless directed to do so by a doctor or poison control centre. If victim is conscious: Rinse mouth with water, have person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person.
- NOTE TO PHYSICIAN:  
POTENTIAL HEALTH AFFECTS,  
ACUTE AND DELAYED**
- Treat symptomatically.
  - Not enough information available to advise.

### 5. FIRE FIGHTING MEASURES

- SUITABLE EXTINGUISHING MEDIA:**
- Foam, dry chemical, carbon dioxide, water spray.
- UNSUITABLE EXTINGUISHING MEDIA:**
- High volume water jet, due to contamination risk.
- HAZARDS FROM COMBUSTION PRODUCTS:**
- Carbon monoxide, carbon dioxide, hydrochloric acid, nitrogen oxides.
- PRECAUTIONS FOR FIRE FIGHTERS:**
- Fire fighters should wear full protective gear including self-containing breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion.
- HAZCHEM CODE:**
- 2X
- Further information:**
- If possible, safely remove intact containers from the fire.
  - Keep containers cool by spraying with water if exposed to fire.
  - If conditions permit, let fire burn itself out, as water used in extinguishing may contaminate the area.
  - Collect contaminated extinguishing water separately; do not allow contaminated water to reach the sewage or effluent systems.
  - Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.
  - In case of fire and/or explosion do not breathe fumes.

### 6. ACCIDENTAL RELEASE MEASURES

#### **SPILL OR LEAK:**

- Avoid contact with spilled material or contaminated surfaces.
- Avoid dust formation.
- Avoid breathing dust.
- DO NOT eat, drink or smoke.
- Wear personal protective clothing and equipment (see section 8). Keep people and animals away.

- Control the spill at its source. Contain the spill immediately. Sweep up (prevent dust by wet-brushing) or vacuum material, scrub area with hard water detergent. Pick up wash liquid with additional absorbent material and place all collected in a container for disposal. Seal container and arrange for disposition.
- PREVENT spilled material from entering drains or sewer systems. Dike and bund area with sand/earth to prevent contamination of drains or sewers.

## 7. HANDLING AND STORAGE

<b>PRECAUTIONS FOR SAFE HANDLING:</b>	Wear suitable protective clothing (Dust mask; Eye shields, Gloves) No special measures necessary if stored and handled correctly according to label. Keep away from heat, sources of ignition, protect from sunlight and from freezing. Ensure thorough ventilation of stores and work areas. Provide appropriate ventilation systems when dust is formed. Wash hands, arms and face after use. Wash gloves and contaminated protective clothing daily. <b>Avoid dust formation in confined areas, dust may form explosive mixture in air.</b>
<b>CONDITIONS FOR SAFE STORAGE:</b>	Store out of reach of children, tightly closed in original containers, which include the complete label, in a cool, dry and well ventilated area out of direct sunlight. Segregate from foods and animal feeds.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

<b>AOEL:</b>	Acceptable Operator Exposure Level EU - 0.004 mg kg <sup>-1</sup> bw day <sup>-1</sup>
<b>ENGINEERING CONTROLS:</b>	Facilities should be equipped with an eyewash facility and a safety shower.
<b>PERSONAL PROTECTIVE EQUIPMENT:</b>	Wear suitable protective clothing which include chemical-resistant footwear, dust mask; eye shields and gloves (chemical-resistant gloves made of any waterproof material such as nitrile, butyl, neoprene and/or barrier laminate). A respirator not normally required when handling this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE (colour; physical form)</b>	Solid, homogenous, off-white granulated
<b>ODOUR:</b>	Slight chemical
<b>pH (1 % in water)</b>	~7
<b>DENSITY:</b>	~ 800 kg/m <sup>3</sup>
<b>FOAMING 50 mℓ/100 ℓ water</b>	After 12 minutes, 8 mℓ
<b>WET SIEVE TEST</b>	< 0.1 %
<b>WETTABILITY</b>	1 second

## 10. STABILITY AND REACTIVITY

<b>CHEMICAL STABILITY:</b>	Stable under normal conditions of use Under severe dusting conditions, this material may form explosive mixtures in air.
<b>CONDITIONS TO AVOID:</b>	Excessive heat, freezing

## 11. TOXICOLOGICAL INFORMATION

### ANIMAL ACUTE TOXICITY DATA

<b>ORAL:</b>	LD <sub>50</sub> (rat)	268 mg a.i. /kg
<b>DERMAL:</b>	LD <sub>50</sub> (rats)	> 5 000 a.i. mg/kg bw.
<b>INHALATION:</b>	LC <sub>50</sub> (4h) rat	> 5.5 a.i. mg/ℓ
<b>SKIN:</b>		Not a skin Sensitizer
<b>EYES</b>		Essentially non irritating

In studies not mutagenic, neurotoxic, carcinogenic, teratogenic, do not interfere with reproduction

**Specific Target Organ Toxicity** :Single exposure target organs: Central; nervous system, category 2 – Incoordination, increased mortality or reduced survival (rat)

Repeated exposure target organs: Blood, category 2 – Altered haematology (multiple species)

## 12. ECOLOGICAL INFORMATION (a.i.)

<b>ECOTOXICITY:</b>	Birds: LD <sub>50</sub> (oral)	<i>Colinus virginianus</i> - Acute (mg kg <sup>-1</sup> ) 98 mg a.i./ ℓ
	Fish: LC <sub>50</sub> (96h)	<i>Oncorhynchus mykiss</i> 0.65 mg a.i./ℓ
	Daphnia: EC <sub>50</sub> (48h)	0.11 mg a.i./ℓ
	Bees	Acute contact 48 hour LD <sub>50</sub> (µg a.i./bee <sup>-1</sup> ) 0.094 Acute oral 48 hour LD <sub>50</sub> (µg a.i. /bee <sup>-1</sup> ) 0.26
	Earthworms: LC <sub>50</sub> (14d)	Acute 14 day LC <sub>50</sub> (mg a.i. kg <sup>-1</sup> ) = >625 moderate Soil DT <sub>50</sub> field = 17
<b>PERSISTENCE, DEGRADABILITY and MOBILITY:</b>		DT <sub>50</sub> soil = 456 = persistent
		Aqueous hydrolysis DT <sub>50</sub> (days) 22
		Water-sediment DT <sub>50</sub> (days) = 6
		Mobility in soil: None - mobile

## 13. DISPOSAL CONSIDERATIONS

On site disposal of the concentrated product is not acceptable. Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities.

Invert empty container over mix or spray tank and allow draining for at least 30 seconds until flow has slowed to a drip. Triple rinse the empty container with clean water equal to a minimum of 30 % of the volume of the container. Add rinsing to the contents of the spray tank. Replace cap and return clean container to recycler. . If not recycling, break, crush or puncture and deliver empty packaging to an approved waste management facility. Do not use container for any other purpose.

DO NOT burn empty containers or product.

DIP Disposal: According to local legislative requirements

## 14. TRANSPORT INFORMATION

<b>UN NUMBER:</b>	3077
<b>PROPER SHIPPING NAME:</b>	Environmentally hazardous substance, solid, n.o.s. (contains indoxacarb)
<b>CLASS AND SUBSIDIARY RISK(S):</b>	Class 9
<b>PACKING GROUP:</b>	III (minor danger)
<b>HAZCHEM CODE:</b>	2Z
<b>Tel No:</b>	+27 (0) 21 886 9812

## 15. REGULATORY INFORMATION

South African Registration number L10524, Act No. 36 of 1947

## 16. OTHER INFORMATION

This Safety Data Sheet (SDS) summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how to prevent accidents in the normal workplace including in conjunction with other products.

The information was obtained from sources which we believe are reliable. However, the information is provided in good faith. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and for this reason we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used for this product only.

Date of Edition 19/01/07

Version 1

END of SDS