

## Section 1 - Identification of The Material and Supplier

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**Chemical nature:** Indoxacarb 300g/Kg.  
**Trade Name:** **Incarnate 300WG**  
**Product Use:** Insecticide for use as described on the product label.  
**Creation Date:** **September, 2018**  
**This version issued:** **September, 2018** and is valid for 5 years from this date.  
**Poisons Information Centre: Phone 13 1126 from anywhere in Australia**

## Section 2 - Hazards Identification

### Statement of Hazardous Nature

Acute toxicity (Oral) Specific target organ toxicity – single exposure Specific target organ toxicity – repeated exposure. Acute aquatic toxicity, Chronic aquatic toxicity, Endpoints which are not classified, cannot be classified or are not applicable are not shown.



### GHS Signal word: **WARNING**

Acute Toxicity Oral Category 4  
Central Nervous System Category 2  
Specific target organ Blood Category 2  
Acute aquatic toxicity Category 2  
Chronic aquatic toxicity Category 2

### HAZARD STATEMENT:

Harmful if swallowed.  
May cause damage to organs. (Central nervous system)  
May cause damage to organs through prolonged or repeated exposure. (blood)  
Toxic to aquatic life with long lasting effects.

### PREVENTION

Keep out of reach of children.  
Do not breathe dust/fume/gas/mist/vapours/spray.  
Wash skin thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Wear protective gloves, protective clothing and eye or face protection.

### RESPONSE

Take off contaminated clothing and wash before reuse.  
IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell, rinse mouth.  
IF SWALLOWED: Call a poison control centre or doctor for treatment advice. Rinse mouth. Do NOT induce vomiting.  
IF ON SKIN: Wash with plenty of soap and water.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If skin irritation occurs: Get medical advice.  
If eye irritation persists: Get medical advice.

## SAFETY DATA SHEET

Seek medical attention if you feel unwell.  
Collect spillage  
Store locked up  
Dispose of contents/ container to an approved waste disposal plant.

#### STORAGE

Store locked up

#### DISPOSAL

P501: Dispose of contents and containers as specified on the registered label.

### Emergency Overview

**Physical Description & Colour:** Dark brown, solid, dry free flowing granules

**Odour:** Mild woody odour.

**Major Health Hazards:** Harmful if swallowed.

May cause damage to organs. (Central nervous system)

May cause damage to organs through prolonged or repeated exposure. (blood)

Toxic to aquatic life with long lasting effects

### Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, %	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
Indoxacarb 300g/kg	173584-44-6	30%	not set	not set
Other ingredients said to be not hazardous	no data	to 100%	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

### Section 4 - First Aid Measures

#### General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 11 26 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call. Have the container or label with you when calling a poison control centre or doctor, or going treatment.

**Inhalation:** Remove person to fresh air. If signs/symptoms continue, get medical attention. Artificial respiration and/or oxygen may be necessary. Call a poison control centre or doctor for treatment advice.

**Skin Contact:** Take off all contaminated clothing immediately. Wash off immediately with soap and plenty of water. Wash contaminated clothing before re-use.

**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 centre or doctor for treatment advice.

**Ingestion:** Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do NOT induce vomiting unless directed to do so by a physician or poison control center. Do not give anything by mouth to an unconscious person.

### Section 5 - Fire Fighting Measures

**Extinguishing Media:** Water spray, Foam, Dry Chemical, Carbon dioxide (CO<sub>2</sub>)

**Unsuitable extinguishing Media:** High volume water jet (contamination risk)

**Fire Fighting:** If a significant quantity of this product is involved in a fire, call the fire brigade.

**Flash point:** Not applicable

**Upper Flammability Limit:** No data.

**Lower Flammability Limit:** No data.

**Autoignition temperature:** No data.

**Flammability Class:** Does not sustain combustion. Method: Flammability (solids)

**Hazchem Code:** 2Z

### SAFETY DATA SHEET

## Section 6 - Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:** Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Avoid dust formation. Avoid breathing dust. Wear suitable protective equipment.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Use appropriate container to avoid environmental contamination. Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained. If the spill area is porous, the contaminated material must be collected for subsequent treatment or disposal. If the product contaminates rivers and lakes or drains inform respective authorities.

**Methods and materials for containment and cleaning up:** Clean-up methods – small spillage soak up with inert absorbent material. Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean-up methods – large spillage avoid dust formation. Contain spillage, pick up container for disposal according to local regulations. Large spills leaking liquid in sealable (metal/plastic) containers. Collect and contain contaminated absorbent and dike material for disposal.

**Additional advice:** Never return spills in original containers for re-use. Dispose of in accordance with local regulations.

## Section 7 - Handling and Storage

**Handling:** Use only according to our recommendations. Use only clean equipment. Avoid contact with skin, eyes and clothing. Do not breath dust or spray mist. Wear personal protective equipment. Prepare the working solution as given on the label(s) and/or the user instructions. Use prepared working solution as soon as possible – Do not store. Provide appropriate exhaust ventilation at places where dust is formed. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use. Avoid exceeding the given occupational exposure limits.

**Precautions for safe handling:** Keep away from heat and sources of ignition. Avoid dust formation in confined areas. During processing, dust may form explosive mixture in air.

**Storage:** Advise on common storage; No special restrictions on storage with other products. Storage period: Stable under recommended storage conditions. Storage period: Storage temperature: >0°C Check packaging - there may be further storage instructions on the label.

## Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

**Control parameters:** No information available

**Engineering measures:** Ensure adequate ventilation, especially in confined areas. Provide for appropriate exhaust ventilation and dust collection at machinery.

**Biological occupational exposure limits:** No information available.

**Respiratory protection:** None specified

**Hand protection:** Material: Polyvinyl chloride – PVC. Glove length: elbow length.

**Eye protection:** Opening the container, preparing spray and using the prepared spray; Wear cotton overalls buttoned to neck and wrist, and a washable hat, elbow-length PVC gloves.

**Hygiene measures:** Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Avoid breathing dust or vapour.

**Protective Measures:** They type or protective equipment must be selected according to the concentration and amount of the dangerous substances at the specific workplace. All chemical protective clothing should be visually inspected prior to use. Clothing and gloves should be replaced in case of chemical or physical damage or if contaminated. Only protected handlers may be in the area during application.

## Section 9 - Physical and Chemical Properties:

**Physical Description & colour:** Solid, dark brown, dry free flowing granules.

**Odour:** Mild woody.

**Boiling Point:** No information available.

**Freezing/Melting Point:** Not available for this mixture.

**Vapour Pressure:** No data.

**Vapour Density:** 0.8

## SAFETY DATA SHEET

<b>Water Solubility:</b>	Not determined.
<b>pH:</b>	7.5 (10 g/l) (20 °C)
<b>Volatility:</b>	No data.
<b>Odour Threshold:</b>	No data.
<b>Evaporation Rate:</b>	No data.
<b>Coeff Oil/water Distribution:</b>	No data
<b>Autoignition temp:</b>	not auto flammable.

## Section 10 - Stability and Reactivity

**Reactivity:** No hazards to be specially mentioned.

**Conditions to Avoid:** To avoid thermal decomposition, do not overheat. Under severe dusting conditions. This material may form explosive mixtures in air.

**Chemical stability:** The product is chemically stable under recommended conditions of storage, use and temperature. No decomposition if stored and applied as directed.

Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use. Polymerization will not occur.

**Materials to avoid:** No materials to be especially mentioned.

**Hazardous decomposition products:** Hydrogen fluoride, Hydrogen chloride gas

## Section 11 - Toxicological Information

**Oral:** LD50/Rat male: 1,867 mg/kg. LD50/Rat female: 687 mg/kg

**Inhalation:** LC50/4 h/Rat(dust/mist): >5.6 mg/l

**Dermal:** LD50/Rat: >5.000mg/kg

**Skin corrosion/irritation:** Rabbit: No skin irritation

**Serious eye damage/eye Irritation:** Rabbit; No eye irritation. Minimal effects that do not meet the threshold for classification

**Respiratory or skin sensitisation:** Guinea Pig; Did not cause sensation on laboratory animals

**Germ Cell Mutagenicity:** Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Animal testing did not show any mutagenic effects.

**Carcinogenicity:** Animal testing did not show carcinogenic effects.

**Reproductive effects:** Animal testing did not show any effects on fertility. No toxicity to reproduction. Teratogenicity; Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.

**Target Organs:** Target organs; Central nervous system. The substance or mixture is classified as specific target organ toxicant, single exposure, category 2. Specific target organ toxicity – repeated exposure; Refer to acute toxicity and/or repeated dose toxicity data for more information on target organs if applicable.

**Aspiration Hazard:** The mixture does not have properties associated with aspiration hazard potential.

**Other:** Repeated dose toxicity. Inhalation/Rat. Target Organs: Central Nervous system, Blood. Central nervous system effects, Incoordination, Increased mortality or reduced survival, altered hematology. Oral/multiple species. Target organs: Blood altered hematology

## Section 12 - Ecological Information

**Acute and prolonged toxicity to fish:** LC50/96 h/Oncorhynchus mykiss (rainbow trout): 1.8 mg/l

**Toxicity to aquatic plants:** EbC50/72 h/Pseudokirchneriella subcapitata (green algae): >1.2 mg/l

**Acute toxicity to aquatic invertebrates:** EC50/48 h/Daphnia magna (Water flea): 1.7 mg/l

**Chronic toxicity to fish:** Early Life-Stage/NOEC/90 d/Oncorhynchus mykiss (rainbow trout): 0.15 mg/l

**Chronic toxicity to aquatic invertebrates:** NOEC/21 d/Daphnia magna (Water flea): 0.9 mg/l

**Persistence and degradability:** Not readily biodegradable. Estimation based on data obtained on active ingredient.

**Bioaccumulation:** Does not bioaccumulate. Information refers to the main component.

## Section 13 - Disposal Considerations

**Disposal:** Dispose of in accordance with local regulations. Triple or preferably pressure rinse containers before disposal. Rinse empty containers with water and use the rinse-water to prepare the working solution. If recycling, replace cap and return clean containers to recycler or designated collection point. Empty containers can be landfilled, when in accordance with the local regulations. Puncture container to avoid re-use. If no landfill is available, bury the containers below 500mm 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.

## SAFETY DATA SHEET

## Section 14 - Transport Information

**IMDG****Hazchem code:** 2Z**UN Number** 3077**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (Indoxacarb)**Class:** 9**Packing Group:** III**Marine pollutant:** Yes**IATA**

UN Number: 3077

**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (Indoxacarb)**Class:** 9**Packing Group:** III

**Matters needing attention for transportation:** Not dangerous goods under ADG code when being transported in IBCs or other receptacles <500 kg (special provision AU01). Marine pollutants in single or combination packaging containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 KG or less for solids may be transported as non-dangerous goods as provided.

**Not classified as dangerous goods according to the ADG Code.**

## Section 15 - Regulatory Information

**SUSMP:** Schedule 6**APVMA number:** 52546

## Section 16 - Other Information

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

**Acronyms:**

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 <sup>th</sup> edition)
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>SWA</b>	Safe Work Australia, formerly ASCC and NOHSC
<b>CAS number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOS</b>	Not otherwise specified
<b>NTP</b>	National Toxicology Program (USA)
<b>R-Phrase</b>	Risk Phrase
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines & Poisons
<b>UN Number</b>	United Nations Number

THIS 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 MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (December 2011)

## SAFETY DATA SHEET