

# MATERIAL SAFETY DATA SHEET

## IMIFORCE UTILITY Insecticide

### Section 1: Identification of the Product and Company

<b>Product name:</b>	<b>IMIFORCE Utility Insecticide</b>
<b>Other names:</b>	CHAINDRITE UTILITY INSECTICIDE (IMIDACLOPRID 200SC)
<b>Use:</b>	Insecticide for Turf & Ornamentals
<b>Company name &amp; Contact details</b>	<b>Sherwood Chemicals Australasia Pty Ltd</b> Address: Level 3, 1060 Hay Street, WEST PERTH 6005 AUSTRALIA Tel: +61 8 9219 4683 Fax: +61 8 9219 4672 Web: <a href="http://www.sherwoodchemicals.com.au">www.sherwoodchemicals.com.au</a> Emergency Telephone number: All hours +61 421 667972
<b>Other information:</b>	All reasonable care has been taken to ensure the information and advice contained in this data sheet is accurate at the time of printing. However, Sherwood Chemicals accepts no liability for any loss or damages suffered as a consequence of reliance upon the information contained herein.

### Section 2: Hazards Identification

<b>Hazard classification:</b>	<b>Non-Hazardous Substance (Non-DG)</b> Not "dangerous goods" for transport by road or rail according to Australian Code for the Transport of DG by Road and Rail.
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### Section 3: Composition / Information on Ingredients

<b>Chemical entity</b>	<b>CAS N°</b>	<b>Proportion</b>
Imidacloprid	138261-41-3	20%
Other non hazardous ingredients	56-81-1	< 15%
Water	7732-18-5	balance

### Section 4: First Aid Measures

**If poisoning occurs, immediately contact a doctor or Poisons Information Centre** (telephone 13 11 26), and follow the advice given. Show this Material Safety Data Sheet to a doctor.

**General advice:**

<b>Inhalation:</b>	Remove patient to fresh air. Keep rested and warm.
<b>Skin contact:</b>	Remove patient's clothing and wash skin thoroughly with soap and water.
<b>Eye contact:</b>	Irrigate eyes immediately with water for 15 minutes.
<b>Ingestion:</b>	Give plenty of water to drink. Never give anything by mouth to an unconscious person.
<b>First Aid Facilities:</b>	Provide washing facilities in the workplace.
<b>Symptoms:</b>	Symptoms of intoxication that may arise if the product is mishandled include: apathetic state, depressed muscular tone, respiratory disturbance and trembling. Muscular cramps are also possible in severe cases of poisoning.

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**Medical attention:**

Check blood pressure and pulse rate frequently since bradycardia and hypotension are possible. Provide supportive measures for respiratory and cardiac function. Give artificial respiration if signs of paralysis appear. Additional therapeutic measures involve elimination of the substance from the body or acceleration of its excretion (gastrolavage, saline laxatives).

Antidote: None known

Contraindications: Absorption promoting agents such as alcoholic beverages and milk. Oils and fats are of no special significance due to the low liposolubility of the active ingredient.

## Section 5: Fire Fighting Measures

**Extinguishing media:**

Sprayed water jet, foam, extinguishing powder, carbon dioxide, and sand.

**Hazards from combustion products:**

In the event of fire, the formation of hydrogen chloride, hydrogen cyanide, carbon monoxide and nitrogen oxides must be anticipated. Do not breathe fumes.

**Precautions for fire fighters:**

Fight fire in the early stages if safe to do so. Wear respiratory protection.

Well ventilated areas: wear full face mask with combination filter eg., ABEK-P2 (offers no protection from carbon monoxide).

Enclosed premises: wear respirator with independent air supply.

Contain firefighting water. If at all possible do not allow firefighting water to enter drains and waterways.

## Section 6: Accidental Release Measures

Prevent spill from spreading or entering waterways or drains. Take up with absorbent material such as sawdust, peat or binding agent for chemicals. Fill material along with any contaminated soil etc. into sealable containers. Clean affected area with an aqueous detergent and a small amount of water. On completion of clean-up remove and wash all protective clothing and equipment with detergent and water. Any heavily contaminated clothing should be placed in a plastic garbage bag and placed in a sealable drum. Do not smoke, eat or drink during clean-up operation.

## Section 7: Handling and Storage

**Handling:** Keep out of reach of children.

Keep in secure, cool locations and out of the reach of children, away from foodstuffs, pets, flame, heat/ignition sources. Wear proper PPE when handle the product.

## Section 8: Exposure Controls and Personal Protection

**Exposure standards:**

NOHSC exposure standards have not been established for any ingredient in this product.

**Engineering controls:**

No engineering controls are required for the normal use of this product according to label.

**Personal Protective Equipment:**

When using the product wear cotton overalls buttoned to the neck and wrist a washable hat, and elbow-length PVC gloves.

If clothing becomes contaminated with product or wet with spray, remove clothing immediately. If product or spray on skin, immediately wash the area with soap and water.

Wash hands after use.

After each day's use wash gloves and contaminated clothing.

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## Section 9: Physical and Chemical Properties

<b>Appearance:</b>	Off white liquid (suspension concentrate)
<b>Odour:</b>	Slight characteristic odour
<b>Vapour pressure:</b>	$2 \times 10^{-9}$ mbar at 20 °C
<b>Vapour density:</b>	Not available
<b>Boiling point:</b>	Not available
<b>Solubility:</b>	Miscible
<b>Density:</b>	1.08 - 1.10 g/ml at 20 °C
<b>pH:</b>	4.0-7.0
<b>Flash Point:</b>	No flash point up to 100 °C
<b>Flammability (explosive) limits:</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Octanol/water partition coefficient:</b>	Not available
<b>Formulation:</b>	Suspension concentrate for insect control

## Section 10: Chemical Stability and Reactivity Information

<b>Chemical stability:</b>	Product is stable. Not flammable under normal conditions of use. Avoid strong oxidising agents.
<b>Hazardous polymerisation:</b>	Hazardous polymerization is not likely to occur.
<b>Conditions to avoid:</b>	None particularly recommended
<b>Incompatible materials:</b>	Avoid strong oxidising agents.
<b>Hazardous decomposition products:</b>	In the event of fire, the formation of hydrogen chloride, hydrogen cyanide, carbon monoxide and nitrogen oxides must be anticipated. Do not breathe fumes.

## Section 11: Toxicological Information

	<b>Potential Health Effect</b>
<b>Inhalation:</b>	Not expected to be harmful if inhaled.
<b>Skin contact:</b>	Repeated exposure may cause some irritation. Unlikely to be a skin sensitiser
<b>Eye contact:</b>	May be slightly irritating to the eyes.
<b>Ingestion:</b>	Harmful if swallowed.
<b>Other:</b>	None

### ANIMAL TOXICITY DATA – PRODUCT:

<b>Acute:</b>	
Oral toxicity:	LD50 rat: > 2000 mg/kg i.e. practically non-toxic
Dermal toxicity:	LD50 rat: >5000 mg/kg i.e. practically non-toxic
LC50 rat:	approx 6000 mg/cubic metre i.e. practically non-toxic
Skin irritation:	Not irritating – rabbit
Eye irritation:	Non-irritant – rabbit
Sensitisation:	Unlikely to be a skin sensitizer

### Chronic:

Animal studies show no evidence of carcinogenic, mutagenic or teratogenic effects.

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## Section 12: Ecological Information

<b>Fish toxicity:</b>	LC <sub>50</sub> : 237 mg/L (96h) Golden Orfe ( <i>Leuciscus idus</i> ) LC <sub>50</sub> : 211 mg/L (96h); Rainbow Trout ( <i>Salmo gairdneri</i> )
<b>Daphnia toxicity:</b>	Not available
<b>Toxicity to algae:</b>	Not available
<b>Bird toxicity:</b>	Not available
<b>Bee toxicity:</b>	Dangerous to bees
<b>Other:</b>	None
<b>Environmental fate, persistence and degradation:</b>	Not available

## Section 13: Disposal Considerations

### 1) After intended use:

Triple or preferably pressure rinse container before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available bury the containers below 500 mm 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.

### 2) After spill or accident:

Dispose of sealed containers at an approved local waste disposal site.

## Section 14: Transport Information

### Road or Rail Transportation

This product is not classified as a Dangerous Goods under the Australian Code for the Transport of Dangerous Goods by Road and Rail.

### Marine and Air Transportation

**IMIFORCE Utility Insecticide** is a Marine Pollutant according to International Maritime Dangerous Goods (IMDG) Code and the International Air transport Association (IATA). If transporting by sea or air the following; Dangerous Goods Classification applies:-

UN 3082,  
Class 9 (Miscellaneous Dangerous Goods),  
Packing Group III,  
Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains 20% Imidacloprid).

## Section 15: Regulatory Information

Registered according to the Agricultural and Veterinary Chemicals Act 1988  
National Registration Authority Approval Number: 64198

## Section 16: Other Information

### Sherwood Chemicals Australasia Pty Ltd

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**END OF MSDS**