



SAFETY DATA SHEET

CONFIDENCE 350 SC

SDS/GHS/ISR/Ver 1.0

Issue date: 28.01.2022

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifiers

Product name: Confidence 350 SC
Chemical name: Imidacloprid
CAS No.: 138261-41-3

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Insecticide for agricultural use

Details of the supplier of the safety data sheet

Supplier: Almandine Corporation SA
Gotthardstrasse 3
6300 Zug
Switzerland
Tel: +44 20 8995 8391 (UK office)
Fax: +44 20 8995 7639
Email: almuk@almandine.com

Formulator: Agrosmart UK LTD
Clayton West
Huddersfield
West Yorkshire
UK

Emergency telephone number

Tel: +44 20 8995 8391 (SDS support, 9.00-5.00 pm; Mon-Fri only, UK)

SECTION 2: HAZARDS IDENTIFICATION

Aq. acute 1
Aq. chronic 1



Pictogram(s):

Signal word: Warning

Hazard statement(s):

H400: Very toxic to aquatic life
H410: Very toxic to aquatic life with long lasting effects

Precautionary statement(s):

P273: Avoid release to the environment
P501: Dispose of contents/container in accordance with local/regional regulations

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

Ingredients	CAS Number	Concentration (g/L)	Signal word	H-statements
Imidacloprid	138261-41-3	350	Warning	H302, H400, H410

See Sections 2 and 16 for full H statements.

SECTION 4: FIRST AID MEASURES

If poisoning occurs, immediately contact a doctor or Poisons Information Centre and follow the advice given. Show this Safety Data Sheet to the doctor.

Health effects:	Symptoms of intoxication that may arise if the product is mishandled include: apathetic state, depressed muscular tone, respiratory disturbances and trembling. Muscular cramps are also possible in severe cases of poisoning.
Inhalation:	If inhaled, remove to fresh air, keep warm and at rest. Administer oxygen or artificial respiration if needed. Seek medical attention immediately.
Skin contact:	Remove patient's clothing and wash skin thoroughly with soap and water.
Eye contact:	Rinse eyes with plenty of water keeping the eyelids open for at least 15 minutes.
Ingestion:	DO NOT induce vomiting. Seek medical attention immediately. Never give anything by mouth to an unconscious person.
Treatment:	Treat symptomatically (nicotine-like effects). Check blood pressure and pulse rate frequently. Provide supportive measures for the respiratory function and cardiac action. Give artificial respiration if signs of paralysis appear. Additional therapeutic measures involve elimination of the substance from the body or acceleration of its excretion (gastro lavage, saline laxatives). <u>Antidote:</u> None known <u>Contraindications:</u> 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:	Water, foam, extinguishing powder, carbon dioxide, and sand.
Hazards from combustion products:	Combustion products are toxic and/or irritant. In the event of fire, the formation of hydrogen chloride, hydrogen cyanide, carbon monoxide and nitrogen oxides must be anticipated. Do not breathe fumes.
Advice for fire fighters:	Wear full protective clothing and self-contained breathing apparatus. Bund area with sand or earth to prevent



contamination of drains or water ways. Dispose of fire control water, or other extinguishing media, and spillage safely later. Do not release contaminated water into the environment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Wear PPE as recommended in section 8. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid contact with spilled material or contaminated surfaces. Keep people and animals away.
- Environmental precautions:** Prevent product from entering drains or water courses. Warn the local water authority if water-courses become contaminated.
- Clean-up methods:** Pick up and arrange disposal without creating aerosol. Contain spill and absorb with earth, sand, clay, or other absorbent material, collect and store in sealed drums for safe disposal. Decontaminate the area and equipment by washing areas with water. Keep in suitable, closed containers for disposal. Contaminated extinguishing water must be disposed of in accordance with official regulations.

SECTION 7: HANDLING AND STORAGE

- Handling:** Keep out of reach of children. Repeated exposure may cause allergies. Avoid contact with eyes, skin and clothing during mixing/pouring operations. Ensure adequate ventilation. Do not inhale spray mist. Wash hands after use.
- Storage:** Store in original container tightly closed in a cool, well-ventilated area, out of direct sunlight. Store away from any material intended for use or consumption by humans or animals.
- Flammability:** Not flammable under normal conditions of use. The Product does not sustain combustion (water-based).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- Occupational Exposure Limits:** No occupational OELs exist for this product.
- Engineering controls:** Avoid direct contact. Ensure adequate ventilation.
- Ingestion:** Prevent eating, drinking, and smoking in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.
- Personal protective equipment:** Wear face-shield, cotton overalls and PVC gloves when handling the concentrate.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- a) Appearance: Off-white to white liquid



b) Odour:	Slight
c) Odour threshold:	none set
d) pH:	4 - 7
e) Melting point/freezing point:	not determined
f) Boiling point/boiling range:	154°C (tech.)
g) Flash-point:	Does not flash
h) Evaporation rate:	not determined
i) Flammability (solid/gas):	Not flammable
j) Upper/lower flammability or explosive limits:	n/a
k) Vapour pressure:	4×10^{-7} mPa (tech.)
l) Vapour density:	1.7×10^{-10} Pa m ³ mol ⁻¹ (tech.)
m) Relative density:	1.1 -1.15 g/mL (20°C)
n) Solubility:	610 mg/L (water, 20°C; tech.)
o) Partition coefficient:	Log P _{ow} 0.57 (tech.)
p) Auto-ignition temperature:	not determined
q) Decomposition temperature:	not determined
r) Viscosity:	not determined
s) Explosive properties:	Not explosive
t) Oxidising properties:	Not an oxidiser

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Stable under normal conditions of use. Will not polymerise. Stable to hydrolysis at pH 5-11. Not flammable under normal conditions.
Chemical stability:	The product is stable if stored and handled as prescribed /indicated.
Conditions to avoid:	Keep away from strong oxidising agents and direct sunlight.
Incompatible materials:	Strong acids, strong bases and strong oxidising agents.
Hazardous decomposition products:	Carbon dioxide, and if combustion is incomplete, carbon



monoxide and smoke, nitrogen and its compounds, hydrogen chloride gas and other compounds of chlorine.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Oral:	LD ₅₀ Rat: >2000-5000 mg/kg (GHS Cat 5)
Acute Dermal:	LD ₅₀ Rat: >2000-5000 mg/kg (GHS Cat 5)
Acute Inhalation:	LC ₅₀ Rat (4 h): >2.1 mg/l (comparable formulation)
Skin irritation:	Mild irritant
Eye irritation:	Mild irritant
Skin sensitisation:	Not a skin sensitiser

Chronic – Animal studies show no evidence of oncogenic effect, no evidence of carcinogenic effects and no teratogenic potential.

SECTION 12: ECOLOGICAL INFORMATION

(technical material)

Fish toxicity:	LC ₅₀ 96 h Rainbow trout	>83 mg/L
Bird toxicity:	LD ₅₀ Japanese quail	31 mg/kg
Daphnia toxicity:	EC ₅₀ 48 h <i>Daphnia magna</i>	85 mg/L
	NOEC 21 d <i>Daphnia magna</i>	1.8 mg/L
Algal toxicity:	EC ₅₀ 72 h <i>Selenastrum capricornutum</i>	>10 mg/L
Bee toxicity:	LD ₅₀ (48h) - oral	0.0037 µg/bee
	LD ₅₀ (48h) - contact	0.042 µg/bee

Toxic to honeybees. Do not spray any plants in flower while bees are foraging.

Imidacloprid is persistent in soil, and has medium soil mobility. It does not bioaccumulate.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Product:	Dispose of waste product through an official waste contractor. Obtain advice from local waste regulation authority.
Contaminated packaging:	Triple- or pressure-rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on-site. Do not burn empty containers. Recycle, or return to supplier through local schemes if applicable. Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORTATION INFORMATION

UN number: 3082



UN Proper Shipping Name:	Environmentally hazardous substance, liquid, N.O.S. (contains imidacloprid)		
Transport hazard class:	ADR/RID: 9	IMDG: 9	IATA: 9
Packaging group:	ADR/RID: III	IMDG: III	IATA: III
Environmental hazard:	ADR/RID: Yes	IMDG: Marine pollutant: Yes	IATA: Yes

SECTION 15: REGULATORY INFORMATION

No additional regulatory information required for this product.

SECTION 16: OTHER INFORMATION

Additional relevant H statements:

These phrases are for hazardous components in the product but are not at levels that require H statements. They provide additional information on risks.

H302	Harmful if swallowed
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No liability is accepted for any injury, loss, damage or cost arising directly or indirectly from the use of the product or from the use of information contained within the safety data sheet since the customer's handling of the product is necessarily beyond our control. The supplied data are based on current knowledge and experience. This safety data sheet is intended to describe our product in terms of safety requirements. The customer should determine by appropriate trials that the product is suitable for his intended use.

Sections 9, 11 and 12 based on available EU and own data.
Self-classification of mixture.
GHS SDS