## 1. Identification

### Product identifier used on the label

# Habitat Aqua

### Recommended use of the chemical and restriction on use

Recommended use*: crop protection product, herbicide

* The “Recommended use” identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

### Details of the supplier of the safety data sheet

Company:
BASF Agricultural Solutions Canada Inc.
510, 28 Quarry Park Boulevard SE,
Calgary, AB, T2C 5P9
CANADA

Telephone: +1 (403) 523-3000

### Emergency telephone number

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: (800) 454-COPE (2673)

### Other means of identification

| | |
|---|---|
| Molecular formula: | C(13) H(15) N(3) O(3). C(3) H(9) N |
| Chemical family: | No applicable information available. |
| PCP # 32374 | |
| Synonyms: | Isopropylamine salt of imazapyr |

## 2. Hazards Identification

**According to Hazardous Products Regulations (HPR) (SOR/2022-272)**

### Classification of the product

No need for classification according to GHS criteria for this product.

### Label elements

The product does not require a hazard warning label in accordance with GHS criteria.

## 3. Composition / Information on Ingredients

**According to Hazardous Products Regulations (HPR) (SOR/2022-272)**

Imazapyr
CAS Number: 81334-34-1
Content (W/W): 22.65 %
Synonym: Imazapyr

isopropylamine
CAS Number: 75-31-0
Content (W/W): >= 3.0 - <= 7.0%
Synonym: 2-Propanamine; Isopropylamine

Acetic acid
CAS Number: 64-19-7
Content (W/W): >= 0.1 - <= 1.0%
Synonym: Acetic acid; Glacial acetic acid

The actual concentration is withheld as a trade secret.

## 4. First-Aid Measures

### Description of first aid measures

**General advice:**
First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

**If inhaled:**
Keep patient calm, remove to fresh air. Assist in breathing if necessary. Seek medical attention.

**If on skin:**
Wash affected areas thoroughly with soap and water. Remove contaminated clothing. If irritation develops, seek medical attention.

**If in eyes:**
Hold eyelids open to facilitate rinsing. Flush with copious amounts of water for at least 15 minutes. If symptoms persist, seek medical advice.

**If swallowed:**
If person is conscious and can swallow, give two glasses of water. Do not induce vomiting unless told to by a poison control center or doctor. Immediate medical attention required.

### Most important symptoms and effects, both acute and delayed

Symptoms: (Further) symptoms and / or effects are not known so far
Hazards: No applicable information available.

### Indication of any immediate medical attention and special treatment needed

Note to physician
Treatment: Symptomatic treatment (decontamination, vital functions).

## 5. Fire-Fighting Measures

Suitable extinguishing media:
water spray, carbon dioxide, foam, dry powder

### Special hazards arising from the substance or mixture
Hazards during fire-fighting:
carbon monoxide, carbon dioxide, nitrogen oxides
The substances/groups of substances mentioned can be released in case of fire.

### Advice for fire-fighters
Protective equipment for fire-fighting:
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

**Further information:**
In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures
Take appropriate protective measures. Clear area. Shut off source of leak only under safe conditions. Extinguish sources of ignition nearby and downwind. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

### Environmental precautions
Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater. Contain contaminated water/firefighting water.

### Methods and material for containment and cleaning up
Dike spillage. Pick up with suitable absorbent material. Place into suitable containers for reuse or disposal in a licensed facility. Spilled substance/product should be recovered and applied according to label rates whenever possible. If application of spilled substance/product is not possible, then spills should be contained, solidified, and placed in suitable containers for disposal. After decontamination, spill area can be washed with water. Collect wash water for approved disposal.

## 7. Handling and Storage

### Precautions for safe handling
Ensure adequate ventilation. Provide good ventilation of working area (local exhaust ventilation if necessary). Keep away from sources of ignition - No smoking. Keep container tightly sealed. Protect contents from the effects of light. Protect against heat. Protect from air. Handle and open container with care. Once container is opened, content should be used as soon as possible. Avoid aerosol formation. Avoid dust formation. Provide means for controlling leaks and spills. Do not return residues to the storage containers. Follow label warnings even after container is emptied. The substance/ product may be handled only by appropriately trained personnel. Avoid all direct contact with the substance/product. Avoid contact with the skin, eyes and clothing. Avoid inhalation of dusts/mists/vapours. Wear suitable personal protective clothing and equipment.

### Conditions for safe storage, including any incompatibilities
Segregate from incompatible substances. Segregate from foods and animal feeds. Segregate from textiles and similar materials.

Further information on storage conditions: Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect containers from physical damage. Protect against contamination.
Protect from temperatures below: 0 °C
Changes in the properties of the product may occur if substance/product is stored below indicated temperature for extended periods of time.
Protect from temperatures above: 40 °C
Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

## 8. Exposure Controls/Personal Protection

**Users of a pesticidal product should refer to the product label for personal protective equipment requirements.**

**Components with occupational exposure limits**

| | | |
|---|---|---|
| isopropylamine | OSHA Z1: | PEL 5 ppm 12 mg/m3 ; |
| | ACGIH, US: | TWA value 2 ppm ; |
| | ACGIH, US: | STEL value 5 ppm ; |
| | ACGIH, US: | Skin Designation ; Danger of cutaneous absorption |

**Advice on system design:**
Whenever possible, engineering controls should be used to minimize the need for personal protective equipment.

**Personal protective equipment**

**Respiratory protection:**
Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) TC23C Chemical/Mechanical type filter system to remove a combination of particles, gas and vapours. For situations where the airborne concentrations may exceed the level for which an air purifying respirator is effective, or where the levels are unknown or Immediately Dangerous to Life or Health (IDLH), use NIOSH-certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions.

**Hand protection:**
Chemical resistant protective gloves, Suitable materials, rubber, plastic

**Eye protection:**
Tightly fitting safety goggles (chemical goggles).

**General safety and hygiene measures:**
Wash soiled clothing immediately.

## 9. Physical and Chemical Properties

| | |
|---|---|
| Physical state: | liquid |
| Form: | liquid |
| Odour: | ammonia-like, faint odour |
| Odour threshold: | not applicable, odour not perceivable |
| Colour: | blue, clear |
| pH value: | 6.6 - 7.2 |
| Melting point: | approx. 0 °C<br>Information applies to the solvent. |
| Boiling point: | approx. 100 °C<br>Information applies to the solvent. |
| Sublimation point: | No applicable information available. |
| Flash point: | A flash point determination is unnecessary due to the high water content. |
| Flammability: | not applicable |
| Lower explosion limit: | As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use. |
| Upper explosion limit: | As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use. |
| Autoignition: | Based on the water content the product does not ignite. |
| Vapour pressure: | approx. 23.4 hPa<br>( 20 °C)<br>Information applies to the solvent. |
| Density: | approx. 1.07 g/ml<br>( 20 °C) |
| Relative vapour density: | not applicable |
| Partitioning coefficient n-octanol/water (log Pow): | not applicable for mixtures |
| Thermal decomposition: | No decomposition if stored and handled as prescribed/indicated. |
| Viscosity, dynamic: | approx. 26.3 mPa.s<br>( 20 °C) |
| Viscosity, kinematic: | No data available. |
| Solubility in water: | miscible |
| Solubility (quantitative): | No data available. |

| | |
|---|---|
| Solubility (qualitative): | No data available. |
| Molecular weight: | 320.4 g/mol |
| Evaporation rate: | not applicable |
| Other Information: | If necessary, information on other physical and chemical parameters is indicated in this section. |

Particle characteristics

| | |
|---|---|
| Particle size distribution: | The substance / product is marketed or used in a non solid or granular form. |

## 10. Stability and Reactivity

### Reactivity
No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:
Corrosive effect on: mild steel brass

Oxidizing properties:
not fire-propagating

### Chemical stability
The product is stable if stored and handled as prescribed/indicated.

### Possibility of hazardous reactions
The product is chemically stable.
Hazardous polymerization will not occur. No hazardous reactions if stored and handled as prescribed/indicated.

### Conditions to avoid
Avoid all sources of ignition: heat, sparks, open flame. Avoid prolonged storage. Avoid electro-static discharge. Avoid contamination. Avoid prolonged exposure to extreme heat. Avoid extreme temperatures.

### Incompatible materials
strong oxidizing agents, reducing agents

### Hazardous decomposition products

Decomposition products:
Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated., Prolonged thermal loading can result in products of degradation being given off.

Thermal decomposition:
No decomposition if stored and handled as prescribed/indicated.

## 11. Toxicological information

**Primary routes of exposure**

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

**Acute Toxicity/Effects**

Acute toxicity
Assessment of acute toxicity: Harmful if swallowed. Slightly toxic after short-term skin contact. Relatively nontoxic after short-term inhalation.

Oral
Type of value: LD50
Species: rat (female)
Value: > 2,000 mg/kg (OECD Guideline 423)
No mortality was observed.

Inhalation
Type of value: LC50
Species: rat (male/female)
Value: > 5.3 mg/l (OECD Guideline 403)
Exposure time: 4 h
An aerosol was tested.

Dermal
Type of value: LD50
Species: rat (male/female)
Value: > 5,000 mg/kg (OECD Guideline 402)

Assessment other acute effects
Assessment of STOT single:
Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

The product has not been tested. The statement has been derived from the properties of the individual components.

Irritation / corrosion
Assessment of irritating effects: Not irritating to eyes and skin.

Skin
Species: rabbit
Result: Slightly irritating.
Method: Primary skin irritation test

Eye
Species: rabbit
Result: non-irritant
Method: OECD Guideline 405

Sensitization
Assessment of sensitization: Skin sensitizing effects were not observed in animal studies.

Buehler test
Species: guinea pig
Result: Non-sensitizing.
Method: OECD Guideline 406

Aspiration Hazard
not applicable

**Chronic Toxicity/Effects**

Repeated dose toxicity
Assessment of repeated dose toxicity: The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: isopropylamine*
*Assessment of repeated dose toxicity: After repeated exposure the prominent effect is local irritation.*
---

Genetic toxicity
Assessment of mutagenicity: The product has not been tested. The statement has been derived from the properties of the individual components. Mutagenicity tests revealed no genotoxic potential.

Carcinogenicity
Assessment of carcinogenicity: The product has not been tested. The statement has been derived from the properties of the individual components. The results of various animal studies gave no indication of a carcinogenic effect.

Reproductive toxicity
Assessment of reproduction toxicity: The product has not been tested. The statement has been derived from the properties of the individual components. The results of animal studies gave no indication of a fertility impairing effect.

Teratogenicity
Assessment of teratogenicity: The product has not been tested. The statement has been derived from the properties of the individual components. Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.

Other Information
Misuse can be harmful to health.

## 12. Ecological Information

### Toxicity

Aquatic toxicity
Assessment of aquatic toxicity:
There is a high probability that the product is not acutely harmful to fish. There is a high probability that the product is not acutely harmful to aquatic invertebrates. Acutely harmful for aquatic plants.

Toxicity to fish

*Information on: Imazapyr technical*
*LC50 (96 h) > 100 mg/l, Oncorhynchus mykiss*
---

Aquatic invertebrates

*Information on: Imazapyr technical*

*EC50 (48 h) > 100 mg/l, Daphnia magna*
---

Aquatic plants

*Information on: Imazapyr technical*
*EC50 (7 d) 11.7 mg/l, Anabaena flos-aquae*
*No observed effect concentration 5.26 mg/l, Anabaena flos-aquae*
---

Chronic toxicity to fish

*Information on: Imazapyr technical*
*No observed effect concentration (33 d) 118 mg/l, Pimephales promelas*
---

Chronic toxicity to aquatic invertebrates

*Information on: Imazapyr technical*
*No observed effect concentration (21 d) 97.1 mg/l, Daphnia magna*
---

Assessment of terrestrial toxicity
With high probability not acutely harmful to terrestrial organisms.

## Persistence and degradability

Assessment biodegradation and elimination (H2O)
The product has not been tested. The statement has been derived from the properties of the individual components.

## Bioaccumulative potential

Assessment bioaccumulation potential
The product has not been tested. The statement has been derived from the properties of the individual components.

Assessment bioaccumulation potential

*Information on: Imazapyr technical*

*Does not accumulate in organisms.*
---

## Mobility in soil

Assessment transport between environmental compartments
The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: Imazapyr technical*

*The substance will not evaporate into the atmosphere from the water surface.*
*Following exposure to soil, the product trickles away and can - dependant on degradation - be transported to deeper soil areas with larger water loads.*
---

### Additional information

Other ecotoxicological advice:
Do not discharge product into the environment without control.

## 13. Disposal considerations

**Waste disposal of substance:**
See product label for disposal and recycling instructions. Dispose of in accordance with national, state and local regulations.

## 14. Transport Information

**Land transport**
TDG

Not classified as a dangerous good under transport regulations

**Sea transport**
IMDG

Not classified as a dangerous good under transport regulations

**Air transport**
IATA/ICAO

Not classified as a dangerous good under transport regulations

**Further information**
Exempt from regulation when transported by road or rail, in accordance with TDG Regulations 1.45.1. This exemption provides that this product does not require dangerous goods shipping documentation or safety marks when transported on land by road or rail.

## 15. Regulatory Information

**Federal Regulations**

**Registration status:**
Crop Protection DSL, CA released / exempt

**Labeling requirements under Pest Control Products Act**

Read the label, authorized under the Pest Control Products Act, prior to using or handling the pest control product.

This chemical is a pest control product regulated by Health Canada Pest Management Regulatory Agency and is subject to certain labelling requirements under the Pest Control Products Act. These requirements differ from the classification criteria and hazard information required for GHS-consistent safety data sheets. The following is the hazard information required on the pest control product label:
KEEP OUT OF REACH OF CHILDREN.
DO NOT take internally.

HARMFUL IF SWALLOWED.
Avoid contact with the skin, eyes and clothing.
Avoid inhalation of dusts/mists/vapours.
Wash thoroughly with soap and water after handling and before eating, drinking and using tobacco.
Wear a long-sleeved shirt, long pants, chemical resistant gloves, shoes and socks during mixing, loading, application, clean up and repair.

Apply only to agricultural crops when the potential for drift to areas of human habitation and areas of human activity such as houses, cottages, schools and recreational areas is minimal.

Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

---

There are Canada-specific environmental requirements for handling, use, and disposal of this pest control product that are indicated on the label.

---

## 16. Other Information

**SDS Prepared by:**
BASF Agricultural Solutions Canada NA Product Regulations
SDS Prepared on: 2025/11/11

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

---

Date / Revised: 2025/11/11 Version: 8.0
Date / Previous version: 2023/06/30 Previous version: 7.0

---

END OF DATA SHEET