



# SAFETY DATA SHEET

The Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

## Doxem Precise

Revision date 24-Feb-2025

Version 1 Supersedes Date:

24-Feb-2025

Product Code(s)  
INS05518-972

Print Date 24-Feb-2025

## 1. Identification

### Product identifier

## Doxem Precise

### Other means of identification

Pure substance/mixture Mixture

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

Recommended use Insecticide  
Uses advised against No information available

### Detailed information about the manufacturer, supplier, and/or importer

Supplier  
Control Solutions, Inc.5903 Genoa-Red BluffPasadena, TX 77507

### Emergency telephone number

Emergency Telephone ADAMA Makhteshim: + 972 8 6560800/801 ; + 972 8 6296713/714  
ADAMA Agan : + 972 8 8515341

E-mail address SDS@ADAMA.COM

## 2. Hazard(s) identification

### Classification of the substance or mixture

|                          |                     |
|--------------------------|---------------------|
| Acute aquatic toxicity   | Category 3 - (H402) |
| Chronic aquatic toxicity | Category 3 - (H412) |

### Label elements

Signal word None

Hazard pictograms

Hazard statements H412 - Harmful to aquatic life with long lasting effects

**Precautionary statements**

P102 - Keep out of reach of children

P501 - Dispose of contents/ container to an approved waste disposal plant

**Other hazards**

Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

**3. Composition/information on ingredients****Substance**

Not applicable

**Mixture**

| Chemical name | CAS No      | Weight-% | EC No | INTERNATIONAL GHS CLASSIFICATION  | M-Factor   |
|---------------|-------------|----------|-------|---|------------|
| Indoxacarb    | 173584-44-6 | 0.6      |       | Acute Tox. 3 (H301)<br>Acute Tox. 4 (H332)<br>STOT RE 1(H372)<br>Skin Sens. 1B (H317)<br>Aquatic Acute 1 (H400)<br>Aquatic Chronic 1 (H410) | M=1<br>M=1 |

Full text of H- and EUH-phrases: see section 16

**4. First-aid measures****Description of necessary first aid measures****General advice**

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). First aider: Pay attention to self-protection.

**Inhalation**

Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

**Skin contact**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary.

**Eye contact**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

**Ingestion**

Rinse mouth. Drink plenty of water. Get medical attention immediately if symptoms occur.

**For emergency responders****Self-protection of the first aider**

Use personal protective equipment as required.

**Most important symptoms/effects, acute and delayed****Symptoms**

None known.

**Indication of immediate medical attention and special treatment needed, if necessary****Note to physicians**

Treat symptomatically.

## 5. Fire-fighting measures

### Suitable Extinguishing Media

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

### Specific hazards arising from the chemical

**Specific hazards arising from the chemical** No information available.

### Specific/special fire-fighting measures

**Specific/special fire-fighting measures** No information available.

### Special protective equipment and precautions for fire-fighters

**Special protective equipment for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Avoid creating dust.

### Environmental precautions

**Environmental precautions** See Section 12 for additional Ecological Information.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. Handling and storage

### Preventive measures for safe handling

**Advice on safe handling** Avoid generation of dust. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

### Precautions for safe handling

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. Exposure controls/personal protection

### Control parameters

**Exposure guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

### Appropriate engineering controls

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

### Individual protection measures, such as personal protective equipment

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

**Hand protection** Suitable chemical resistant gloves (EN 374) also with prolonged, direct contact (recommendation: protection index 6, corresponding > 480 minutes Permeability time (permeation) according to EN 374): e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm).

**Eye/face protection** Tight sealing safety goggles.

**Skin and body protection** Use suitable protective clothing and equipment if required, such as safety goggles certified to EN 166, gloves certified to EN 374, protective boots certified to EN 13832, and/or a water repellent woven coverall with 65% polyester and 35 % cotton.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

**Environmental exposure controls** Local authorities should be advised if significant spillages cannot be contained.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

| <u>Property</u>                              | <u>Values</u>       | <u>Method</u> | <u>Remarks</u>                |
|--|---------------------|---------------|-------------------------------|
| <b>Appearance</b>                            |                     |               |                               |
| Physical state                               | : Solid             |               |                               |
| Color  | : orange brown      |               |                               |
| Odor   | : sweet             |               |                               |
| Odor threshold                               | : No data available |               |                               |
| pH   | : 4.7 - 5.7         | OCSP 830.7000 |                               |
| Melting point / freezing point °C            | : No data available |               |                               |
| Boiling point / boiling range °C             | : No data available |               |                               |
| Flash point °C                               | : No data available |               |                               |
| Evaporation rate                             | : No data available |               |                               |
| Flammability (solid, gas)                    | : No data available |               |                               |
| Upper/lower flammability or explosive limits | : No data available |               |                               |
| Vapor pressure kPa                           | : No data available |               |                               |
| Vapor density                                | : No data available |               |                               |
| Relative density                             | : 0.7 - 0.8         | OCSP 830.7300 |                               |
| Solubility(ies) mg/l                         | : No data available |               |                               |
| Partition coefficient Log Pow                | :                   |               | See Section 12 for additional |

## Ecological Information

Autoignition temperature °C : No data available  
 Decomposition temperature °C : No data available  
 Kinematic viscosity mm<sup>2</sup>/s 40 °C : Not applicable  
 Explosive properties : Not an explosive  
 Oxidizing properties : No data available  
 Surface tension : No data available  
 Particle Size : Not applicable

Other information

Bulk density g/ml : Not applicable

**10. Stability and reactivity**Reactivity

Reactivity No information available.

Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Conditions to avoid

Conditions to avoid None known based on information supplied.

Incompatible materials

Incompatible materials None known based on information supplied.

Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

**11. Toxicological information**Information on toxicological effectsAcute toxicity

|                                   | <u>Values</u>       | <u>Species</u> | <u>Method</u>  | <u>Remarks</u> |
|-----------------------------------|---------------------|----------------|----------------|----------------|
| Oral LD50 mg/kg                   | : > 5000            | Rat            | OPPTS 870.1100 |                |
| Dermal LD50 mg/kg                 | : No data available |                |                |                |
| Inhalation LC50 LC50              | : No data available |                |                |                |
| Skin corrosion/irritation         | : No data available |                |                |                |
| Serious eye damage/eye irritation | : Mild Irritant     | Rabbit         | OPPTS 870.2400 |                |
| Sensitization                     | : Not a sensitizer  | Guinea pig     | OPPTS 870.2600 |                |

Chronic toxicity

Germ cell mutagenicity

Chemical name

Indoxacarb : Not classified

**Carcinogenicity****Chemical name**

Indoxacarb : Not Carcinogenic

**Reproductive toxicity****Chemical name**

Indoxacarb : Not toxic for the reproductive system

**STOT - Single Exposure****Chemical name**

Indoxacarb : No data available

**STOT - Repeated Exposure****Chemical name**

Indoxacarb : H372 - Causes damage to organs through prolonged or repeated exposure

**Aspiration hazard****Chemical name**

Indoxacarb : No data available

## 12. Ecological information

**Ecotoxicity****Aquatic toxicity****Acute toxicity**

|                             | <u>Values</u>       | <u>Species</u> | <u>Method</u> | <u>Remarks</u> |
|-----------------------------|---------------------|----------------|---------------|----------------|
| Fish 96-hour LC50 mg/l      | : No data available |                |               |                |
| Crustacea 48-hour EC50 mg/l | : No data available |                |               |                |
| Algae 72-hour EC50 mg/l     | : No data available |                |               |                |
| Other plants EC50 mg/l      | : No data available |                |               |                |

**Chronic aquatic toxicity**

|                        | <u>Values</u>       | <u>Species</u> | <u>Method</u> | <u>Remarks</u> |
|------------------------|---------------------|----------------|---------------|----------------|
| Fish NOEC mg/l         | : No data available |                |               |                |
| Crustacea NOEC mg/l    | : No data available |                |               |                |
| Algae NOEC mg/l        | : No data available |                |               |                |
| Other plants NOEC mg/l | : No data available |                |               |                |

**Terrestrial Toxicity****Birds Oral LD50 mg/kg****Chemical name**

Indoxacarb : 98 Bobwhite quail

**Bees Oral LD50 µg/bee****Chemical name**

Indoxacarb : 0.26

**Abiotic Degradation****Water DT50 days****Chemical name**

Indoxacarb : 22 pH 7

**Soil DT50 days****Chemical name**

Indoxacarb : 3 - 23 aerobic

**Biodegradation****Chemical name**

Indoxacarb : No data available

**Log Pow****Chemical name**

Indoxacarb : 4.21

**Values****Method****Remarks****Bioconcentration factor (BCF)****Chemical name**

Indoxacarb : ---

No data available

**Adsorption/Desorption****Chemical name**

Indoxacarb : 3300 - 9600

**Values****Method****Remarks**

KOC

**13. Disposal considerations****Disposal methods****Waste from residues/unused products**

Dispose of waste in accordance with environmental legislation. Dispose of in accordance with local regulations.

**Contaminated packaging**

Improper disposal or reuse of this container may be dangerous and illegal.

**14. Transport information****ADR****14.1 UN number**

Not regulated

**14.2****14.3 Transport hazard class(es)**

Not regulated

**14.4 Packing group**

Not regulated

**14.5 Environmental hazard**

Not Applicable

**14.6 Special Precautions for Users****Special Provisions**

None

**RID****14.1 UN number**

Not regulated

**14.2****14.3 Transport hazard class(es)**

Not regulated

**14.4 Packing group**

Not regulated

**14.5 Environmental hazard**

Not Applicable

**14.6 Special Precautions for Users****Special Provisions**

None

**IMDG****14.1 UN number**

Not regulated

**14.2****14.3 Hazard Class**

Not regulated

**14.4 Packing group**

Not regulated

**14.5 Marine pollutant**

Not applicable

**14.6 Special Precautions for Users****Special Provisions**

None

**14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code** No information available

**IATA**

|   |                |
|---|----------------|
| <b>14.1 UN number</b>                     | Not regulated  |
| <b>14.2</b>                               |                |
| <b>14.3 Transport hazard class(es)</b>    | Not regulated  |
| <b>14.4 Packing group</b>                 | Not regulated  |
| <b>14.5 Environmental hazard</b>          | Not Applicable |
| <b>14.6 Special Precautions for Users</b> |                |
| <b>Special Provisions</b>                 | None           |

**15. Regulatory information**

Safety, health and environmental regulations specific for the product in question

**16. Other information****Full text of H-Statements referred to under section 3**

H301 - Toxic if swallowed  
H317 - May cause an allergic skin reaction  
H332 - Harmful if inhaled  
H372 - Causes damage to organs through prolonged or repeated exposure  
H400 - Very toxic to aquatic life  
H410 - Very toxic to aquatic life with long lasting effects

**Date of preparation of the SDS** No data available

**Revision date** 24-Feb-2025

**Revision Note** Changes made to the last version are labeled with this sign \*\*\*.

**Key or legend to abbreviations and acronyms used in the safety data sheet**

|      |   |
|------|---|
| IMDG | International Maritime Dangerous Goods (IMDG)                                       |
| IATA | International Air Transport Association (IATA)                                      |
| ADR  | European Agreement concerning the International Carriage of Dangerous Goods by Road |

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | *    | Skin designation                 |

**Abbreviations and acronyms**

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road  
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
CAS Number - Chemical Abstracts Service number  
EC Number - EINECS and ELINCS Number  
EINECS - European Inventory of Existing Commercial Substances  
ELINCS - European List of notified Chemical Substances  
IATA - International Air Transport Association  
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air  
IMDG - International Maritime Dangerous Goods  
LC50 - Lethal Concentration to 50 % of a test population  
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)  
OECD - Organization for Economic Co-operation and Development  
PBT - Persistent, Bioaccumulative and Toxic substance  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
STOT - Specific Target Organ Toxicity  
vPvB - Very Persistent and Very Bioaccumulative

**The Globally Harmonized System of Classification and Labeling of Chemicals (GHS)****Classification of the mixture**

H402 - Harmful to aquatic life

H412 - Harmful to aquatic life with long lasting effects

**Classification procedure**

Classification based on Calculation method

Classification based on Calculation method

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet