



## SECTION 1 - PRODUCT & COMPANY IDENTIFICATION

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Product Name: Vision 570 WG  
Product Use: Herbicide  
Creation Date: January 2014  
Revision Date: August 2019

### 24 Hr Emergency Number:

#### In case of Poisoning:

Poisons Helpline 0861 555 777

#### In case of Spillage:

Spill Tech Oil & Chemical Pollution Control 086 100 0366 / 083 253 6618

## SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

**Common Name:** Amicarbazone (BSI, pa ISO) and Mesotrione (BSI, E-ISO)  
**Chemical Name:** 4-amino-N-tert-butyl-4,5-dihydro-3-isopropyl-5-oxo-1H-1,2,4-triazole-1-carboxamide and 2-(-4-mesyl-2-nitrobenzoyl)cyclohexane-1,3-dione (IUPAC)  
**Chemical family:** Triazolinone and triketone  
**Use:** Pre- and post-emergence herbicide for the control of certain broadleaf and grass weeds as listed, as well as the suppression of Yellow nutsedge (*Cyperus esculentus*) and Guinea-fowl grass (*Rottboelia exaltata*), in maize.

**Formulation:** Amicarbazone : 280 g/kg plus  
Mesotrione: 288 g/kg  
Water Dispersible Granules

### Hazardous ingredients of toxicological concern:

<u>Inert:</u>	<u>concern:</u>	<u>% w/w:</u>
Amicarbazone	Harmful	28.87 %
Mesotrione	Irritant	29.70 %
Surfactant	-	±7%
Filler	-	to 100%

**Symbol:** Xn, N  
**Indication of Danger:** Harmful, Environmentally Hazardous Substance

**RISK-PHRASE(S)** R22, R36

## SECTION 3 - HAZARD IDENTIFICATION

### Inhalation:

Exposure to high concentrations may cause respiratory irritation. The signs and symptoms may include nasal discharge, sore throat, cough, and shortness of breath.

### Ingestion:

Harmful if swallowed. Ingestion of this product may cause irritation gastrointestinal, nausea, vomiting, and diarrhea.

### Skin Contact:

A single prolonged exposure is not likely that the material is absorbed through the skin in harmful quantities.

### Eye Contact:

May cause mild irritation. The degree of damage depends on the amount and duration of contact and the speed and continuity of first aid treatment. The effects resulting from exposure time can be redness, swelling and pain.

### Chronic Exposure:

Technical amicarbazone is not carcinogenic, teratogenic and is not a reproductive toxicant. Technical amicarbazone is not mutagenic.

## MATERIAL SAFETY DATA SHEET

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Poisons Helpline 0861 555 777

Phone: 031 514 5600  
Spillage Helpline (Spill Tech) 086 100 0366



#### SECTION 4 - FIRST AID MEASURES AND PRECAUTIONS

**Inhalation:**

Remove to fresh air. If the person is not breathing, call an ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call a poison control center or doctor for treatment.

**Skin contact:**

Remove contaminated clothing. Wash skin with soap and water. Call a control center or doctor for treatment.

**Eye contact:**

Hold eye open and rinse slowly and thoroughly with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes; rinsing eyes. Call a poison control center or doctor for treatment.

**Ingestion:**

Call a poison control center or doctor immediately for get treatment. Provide the person 1-2 glasses of water if possible to swallow. Do not induce vomiting unless conducted by a poison control center or a doctor. Do not give anything by mouth to an unconscious person.

#### SECTION 5 - FIRE-FIGHTING MEASURES

**Fire hazard and explosion hazard:**

VISION 570 WG is not flammable. The active ingredient and inert in the product made no potential thermal or explosive impact.

**Extinguishing agents:**

Water, foam, CO<sub>2</sub> or dry chemical. Use water fog only if necessary. Contain all runoff.

**Fire fighting:**

Isolate fire area. Evacuate downwind. Used clothing complete protection and SCBA. Do not breathe smoke, gases or vapors generated.

#### SECTION 6 - ACCIDENTAL RELEASE MEASURES (SPILLAGE)

**Personal precautions:**

For personal protection see Section 8.

**Occupational spill:**

SMALL SPILLS: Absorb spill with inert material (e.g. sand or soil dry), then placed in a container of chemical waste.

LARGE SPILLS: Isolate hazard area and prevent access to unauthorized personnel or without the required protection.

Contain spill with sand or earth.

#### SECTION 7 - HANDLING AND STORAGE REQUIREMENTS

**Handling:**

Do not handle material near food or drinking water. Avoid contact eyes. Keep container closed. Wash thoroughly after handling

**Storage:**

Store in original container in a dry and safe. Prevent cross-contamination with other pesticides and fertilizers. Store in a cool place protected of direct sunlight. Do not handle material near food or drinking water.

#### SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Comply with occupational safety, environmental, fire, and other applicable regulations.

ENGINEERING CONTROLS: Provide adequate local ventilation

**PERSONAL PROTECTIVE EQUIPMENT:****Respirator:**

Wear appropriate respirator NIOSH-approved dust or particles or a respirator approved for pesticides NIOSH

**Gloves:**

Chemical-resistant gloves.

**Eye protection:**

Goggles can be used to prevent the entry of powder material eyes.

#### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Granules

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<b>Odour:</b>	Slight characteristic smell
<b>Colour:</b>	Light brown
<b>Flash point:</b>	Not applicable.
<b>Specific gravity:</b>	0.48 g/cm <sup>3</sup>
<b>pH:</b>	3.82
<b>Solubility:</b>	Insoluble→Dispersable.

## SECTION 10 - STABILITY AND REACTIVITY

### Storage Stability:

The product is stable at room temperature in normal warehouse conditions in original packaging.

### Stability:

Stable under normal storage conditions.

### Incompatibility:

None known. Avoid extreme heat and contact with incompatible materials.

### Decomposition products:

Thermal decomposition generates high temperature hydrogen cyanide, carbon monoxide and nitrogen oxides.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Acute Effects:

<b>Eyes:</b>	Moderate reversible eye irritant in rabbits 96 hours.
<b>Skin:</b>	No dermal irritant
<b>Oral LD<sub>50</sub>:</b>	> 2000 mg / kg for males and 1015 mg / kg for females
<b>Dermal LD<sub>50</sub>:</b>	> 5000 mg / kg for males and females
<b>Inhalation:</b>	> 2030 mg / m <sup>3</sup> for males
<b>Carcinogenicity:</b>	Not carcinogenic
<b>Teratogenicity:</b>	Not teratogenic

## SECTION 12 - ECOLOGICAL INFORMATION

### Amicarbazone technical

Toxicity in birds (data from the technical formulation of the material):

Quail (*C. Virguinianus*) LD<sub>50</sub> (oral) > 2,000 mg / kg

Quail (*C. Virguinianus*) LC<sub>50</sub> (diet) > 10,000 ppm

Mallard (*A. platyrhinchus*) LC<sub>50</sub> (diet) > 10,536 ppm

Toxicity to aquatic organisms (data from the technical formulation of the material):

Bluegill (*L. macrochirus*) 96-hour LC<sub>50</sub> > 120 mg / L

Rainbow trout (*O.mykiss*): 96 hour LC<sub>50</sub> > 128 mg / L

Water flea (*D.magna*): 48 hours EC<sub>50</sub> = 40.8 mg / L

Toxicity to other organisms (data for the formulation of material):

Abey (*A.ellifera* L.) 48 contact hours LD<sub>50</sub> > 200 ug / bee

### Mesotrione technical

#### Birds:

LD<sub>50</sub>: Bobwhite quail: > 2000 mg/kg

LC<sub>50</sub> 8-day diet: Mallard ducks: > 5 200 mg/kg

#### Fish:

LC<sub>50</sub> (96 hours): Bluegill sunfish: >120 mg/ℓ

Rainbow trout: >120 mg/ℓ

#### Daphnia:

48-hour LC<sub>50</sub>: >900 mg/ℓ

**Algae:** EC<sub>50</sub>: *Selenastrum capricornutum*: 3.5 mg/ℓ

**Bees:** LD<sub>50</sub> (oral): > 11 µg/bee

LD<sub>50</sub> (contact): > 9.1 µg/bee

**Worms:** NOEL: >1000 mg/kg

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### SECTION 13 - DISPOSAL CONSIDERATION

WASTE MANAGEMENT INFORMATION: Destroying unused content, the preferred options are to send to licensed reclaimer or to permitted incinerators.

Any removal procedure must comply with relevant regulations (refer to the relevant environmental agency regarding the rules specified). Should not be poured in sewage system, soil or any body of water. Empty containers should be available under current regulations after a triple wash.

### SECTION 14 - TRANSPORT INFORMATION

UN No.:	3077
Road Transport ADR/IRD:	
Class:	9
Packing group:	III
Shipping name:	Environmentally hazardous substance, solid, N.O.S. (Amicarbazone 280 g/kg+ Mesotrione 288 g/kg)

### SECTION 15 - REGULATORY INFORMATION

Symbol:	Xn, N
Indication of danger:	Harmful, Environmentally Hazardous Substance
Risk phrases:	
R 22	Harmful if swallowed.
R36	Irritating to eyes
Safety phrases:	
S 2	Keep out of the reach of children.
S 24/25	Avoid contact with skin and eyes.
S 60	This material and its container must be disposed of as hazardous waste.
S 61	Avoid release to the environment. Refer to special instructions/safety data sheets.

### SECTION 16 - OTHER INFORMATION

**Packaging:**  
Packed in 1 kg, 1, 5 kg, 2kg, 5kg, 10kg and 25 kg plastic bags.

**Disclaimer:**  
The information on this sheet is not a specification; it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage use of the product. It is not applicable to unusual or non-standard uses of the product nor where instructions or recommendations are not followed.  
All information is given in good faith but without guarantee in respect of accuracy, and no responsibility is accepted for errors and omissions or the consequence thereof.

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