

# SAFETY DATA SHEET



## Quintect 105 SC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	2023/03/07	50002735	Date of first issue: 2023/03/07

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### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Quintect 105 SC

Other means of identification : Picarbutrazox 105 g/L SC

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

Recommended use : Can be used as fungicide only.

Restrictions on use : Use as recommended by the label.

#### Manufacturer or supplier's details

Company : FMC Corporation

Address : 2929 WALNUT ST  
PHILADELPHIA PA 19104  
USA

Telephone : (215) 299-6000

E-mail address : SDS-Info@fmc.com

Emergency telephone : For leak, fire, spill or accident emergencies, call:  
001-803-017-9114 (CHEMTREC)  
1 703 / 741-5970 (CHEMTREC - International)

Medical emergency:  
0800 140 1447

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### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Long-term (chronic) aquatic hazard : Category 3

#### GHS label elements

Hazard pictograms : None

Signal Word : None

Hazard Statements : H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements : **Prevention:**  
P273 Avoid release to the environment.

# SAFETY DATA SHEET



## Quintect 105 SC

Version 1.0	Revision Date: 2023/03/07	SDS Number: 50002735	Date of last issue: - Date of first issue: 2023/03/07
----------------	------------------------------	-------------------------	--

### Disposal:

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

### Other hazards which do not result in classification

None known.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

Chemical name	CAS-No.	Concentration (% w/w)
tert-Butyl (6-[[[Z)-(1-methyl-1H-tetrazol-5-yl)phenylmethylidene]aminooxymethyl]pyridin-2-yl)carbamate	500207-04-5	>= 10 -< 25

## 4. FIRST AID MEASURES

General advice	: Do not leave the victim unattended.
If inhaled	: If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	: Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.
In case of eye contact	: Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.
If swallowed	: Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	: None known.
Notes to physician	: Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Dry chemical  
Dry powder  
Foam  
Carbon dioxide (CO2)

# SAFETY DATA SHEET



## Quintect 105 SC

Version 1.0	Revision Date: 2023/03/07	SDS Number: 50002735	Date of last issue: - Date of first issue: 2023/03/07
----------------	------------------------------	-------------------------	--

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|--|---|
| Unsuitable extinguishing media                 | : High volume water jet   |
| Specific hazards during fire fighting          | : Do not allow run-off from fire fighting to enter drains or water courses.   |
| Hazardous combustion products                  | : Nitrogen oxides (NOx)<br>Carbon oxides<br>Sulfur oxides   |
| Specific extinguishing methods                 | : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.<br>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |
| Special protective equipment for fire-fighters | : Wear self-contained breathing apparatus for firefighting if necessary.  |

### 6. ACCIDENTAL RELEASE MEASURES

- |   |  |
|---|--|
| Personal precautions, protective equipment and emergency procedures | : Use personal protective equipment.   |
| Environmental precautions   | : Prevent product from entering drains.<br>If the product contaminates rivers and lakes or drains inform respective authorities. |
| Methods and materials for containment and cleaning up               | : Wipe up with absorbent material (e.g. cloth, fleece).<br>Keep in suitable, closed containers for disposal.                     |

### 7. HANDLING AND STORAGE

- |   |  |
|---|--|
| Advice on protection against fire and explosion | : Normal measures for preventive fire protection.  |
| Advice on safe handling                         | : For personal protection see section 8.<br>Smoking, eating and drinking should be prohibited in the application area.   |
| Conditions for safe storage                     | : Containers which are opened must be carefully resealed and kept upright to prevent leakage.<br>Electrical installations / working materials must comply with the technological safety standards. |
| Materials to avoid                              | : No materials to be especially mentioned.   |
| Further information on storage stability        | : No decomposition if stored and applied as directed.  |

# SAFETY DATA SHEET



## Quintect 105 SC

Version 1.0	Revision Date: 2023/03/07	SDS Number: 50002735	Date of last issue: - Date of first issue: 2023/03/07
----------------	------------------------------	-------------------------	--

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

#### Personal protective equipment

Respiratory protection	:	In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
Hand protection	:	
Material	:	Wear chemical resistant gloves, such as barrier laminate, butyl rubber or nitrile rubber.
Eye protection	:	Safety glasses
Skin and body protection	:	Protective suit
Hygiene measures	:	General industrial hygiene practice.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Viscous aqueous suspension
Color	:	off-white
Odor	:	characteristic
pH	:	5 - 9
Flash point	:	does not flash
Flammability (solid, gas)	:	Not applicable
Relative density	:	1,04 - 1,06
Explosive properties	:	Not explosive
Oxidizing properties	:	The product is not oxidizing.

### 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Stable under recommended storage conditions. No hazards to be specially mentioned.
Conditions to avoid	:	Heat, flames and sparks.

# SAFETY DATA SHEET



## Quintect 105 SC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	2023/03/07	50002735	Date of first issue: 2023/03/07

Incompatible materials	:	Strong oxidizing agents Strong acids and strong bases
Hazardous decomposition products	:	Stable under recommended storage conditions.

### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Not classified based on available information.

#### Components:

**tert-Butyl (6-[[[(Z)-(1-methyl-1H-tetrazol-5-yl)phenylmethylidene]aminooxymethyl}pyridin-2-yl]carbamate:**

Acute oral toxicity	:	LD50 (Rat, male and female): > 2.000 mg/kg
Acute inhalation toxicity	:	LC50 (Rat, male and female): > 5,2 mg/l Test atmosphere: dust/mist
Acute dermal toxicity	:	LD50 (Rat, male and female): > 2.000 mg/kg

#### Skin corrosion/irritation

Not classified based on available information.

#### Components:

**tert-Butyl (6-[[[(Z)-(1-methyl-1H-tetrazol-5-yl)phenylmethylidene]aminooxymethyl}pyridin-2-yl]carbamate:**

Species	:	Rabbit
Result	:	No skin irritation

#### Serious eye damage/eye irritation

Not classified based on available information.

#### Components:

**tert-Butyl (6-[[[(Z)-(1-methyl-1H-tetrazol-5-yl)phenylmethylidene]aminooxymethyl}pyridin-2-yl]carbamate:**

Species	:	Rabbit
Remarks	:	Minimal effects that do not meet the threshold for classification.

#### Respiratory or skin sensitization

##### Skin sensitization

Not classified based on available information.

##### Respiratory sensitization

Not classified based on available information.

# SAFETY DATA SHEET



## Quintect 105 SC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	2023/03/07	50002735	Date of first issue: 2023/03/07

---

### Components:

**tert-Butyl (6-[[[Z)-(1-methyl-1H-tetrazol-5-yl)phenylmethylidene]aminoxymethyl}pyridin-2-yl)carbamate:**

Routes of exposure	:	Skin contact
Species	:	Guinea pig
Result	:	Does not cause skin sensitization.

### **Germ cell mutagenicity**

Not classified based on available information.

### Components:

**tert-Butyl (6-[[[Z)-(1-methyl-1H-tetrazol-5-yl)phenylmethylidene]aminoxymethyl}pyridin-2-yl)carbamate:**

Genotoxicity in vitro	:	Test Type: Ames test Result: negative
		Test Type: Chromosome aberration test in vitro Result: negative
Genotoxicity in vivo	:	Test Type: In vivo micronucleus test Result: negative

### **Carcinogenicity**

Not classified based on available information.

### Components:

**tert-Butyl (6-[[[Z)-(1-methyl-1H-tetrazol-5-yl)phenylmethylidene]aminoxymethyl}pyridin-2-yl)carbamate:**

Species	:	Rat
Result	:	negative
Species	:	Mouse
Result	:	negative

### **Reproductive toxicity**

Not classified based on available information.

### Components:

**tert-Butyl (6-[[[Z)-(1-methyl-1H-tetrazol-5-yl)phenylmethylidene]aminoxymethyl}pyridin-2-yl)carbamate:**

Effects on fertility	:	Species: Rat Result: negative
Effects on fetal development	:	Species: Rat Result: negative
		Species: Rabbit Result: negative

# SAFETY DATA SHEET



## Quintect 105 SC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	2023/03/07	50002735	Date of first issue: 2023/03/07

### STOT-single exposure

Not classified based on available information.

### STOT-repeated exposure

Not classified based on available information.

### Repeated dose toxicity

#### Components:

**tert-Butyl (6-[[[Z)-(1-methyl-1H-tetrazol-5-yl)phenylmethyldene]aminooxymethyl]pyridin-2-yl)carbamate:**

Species	: Rat, female
NOAEL	: 10.16 mg/kg bw/day
Exposure time	: 2 years

Species	: Rat, male
NOAEL	: 7.82 mg/kg bw/day
Exposure time	: 2 years

Species	: Dog, male
NOAEL	: 40.45 mg/kg bw/day
Exposure time	: 1 year

Species	: Dog, female
NOAEL	: 43.26 mg/kg bw/day
Exposure time	: 1 year

### Aspiration toxicity

Not classified based on available information.

### Further information

#### Product:

Remarks : No data available

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

Toxicity to fish	: LC50 (Cyprinus carpio (Carp)): > 1.000 mg/l Exposure time: 96 h
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Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia): 125 mg/l Exposure time: 48 h
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Toxicity to algae/aquatic plants	: ErC50 (algae): 155 mg/l Exposure time: 72 h
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# SAFETY DATA SHEET



## Quintect 105 SC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	2023/03/07	50002735	Date of first issue: 2023/03/07

### Components:

#### **tert-Butyl (6-[[[Z)-(1-methyl-1H-tetrazol-5-yl)phenylmethylidene]aminooxymethyl]pyridin-2-yl)carbamate:**

- |  |   |   |
|--|---|---|
| Toxicity to fish   | : | LC50 (Oncorhynchus mykiss (rainbow trout)): > 0,29 mg/l<br>Exposure time: 96 h<br>Remarks: No toxicity at the limit of solubility.  |
| Toxicity to daphnia and other aquatic invertebrates                    | : | EC50 (Daphnia magna (Water flea)): > 0,28 mg/l<br>Exposure time: 48 h<br>Remarks: No toxicity at the limit of solubility.   |
| Toxicity to algae/aquatic plants                                       | : | ErC50 (Pseudokirchneriella subcapitata (green algae)): > 0,25 mg/l<br>Exposure time: 72 h<br>Remarks: No toxicity at the limit of solubility.<br><br>NOEC (Pseudokirchneriella subcapitata (green algae)): 0,11 mg/l<br>Exposure time: 72 h |
| Toxicity to fish (Chronic toxicity)                                    | : | NOEC (Pimephales promelas (fathead minnow)): 0,14 mg/l<br>Exposure time: 28 d   |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : | NOEC (Daphnia magna (Water flea)): 0,27 mg/l<br>Exposure time: 28 d   |

### **Persistence and degradability**

No data available

### **Bioaccumulative potential**

### Components:

#### **tert-Butyl (6-[[[Z)-(1-methyl-1H-tetrazol-5-yl)phenylmethylidene]aminooxymethyl]pyridin-2-yl)carbamate:**

- |  |   |  |
|--|---|--|
| Bioaccumulation                        | : | Species: Lepomis macrochirus (Bluegill sunfish)<br>Bioconcentration factor (BCF): 496<br>Exposure time: 29 d<br>Concentration: 4.04 µg/l |
| Partition coefficient: n-octanol/water | : | log Pow: 4,16 (25 °C)  |

### **Mobility in soil**

No data available

### **Other adverse effects**

### Product:

- |                                   |   |   |
|-----------------------------------|---|---|
| Additional ecological information | : | An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.<br>Harmful to aquatic life with long lasting effects. |
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# SAFETY DATA SHEET



## Quintect 105 SC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	2023/03/07	50002735	Date of first issue: 2023/03/07

### 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

- |                        |   |  |
|------------------------|---|--|
| Waste from residues    | : | The product should not be allowed to enter drains, water courses or the soil.<br>Do not contaminate ponds, waterways or ditches with chemical or used container.<br>Send to a licensed waste management company. |
| Contaminated packaging | : | Empty remaining contents.<br>Dispose of as unused product.<br>Do not re-use empty containers.  |

### 14. TRANSPORT INFORMATION

#### International Regulations

##### UNRTDG

- |                      |   |                |
|----------------------|---|----------------|
| UN number            | : | Not applicable |
| Proper shipping name | : | Not applicable |
| Class                | : | Not applicable |
| Subsidiary risk      | : | Not applicable |
| Packing group        | : | Not applicable |
| Labels               | : | Not applicable |

##### IATA-DGR

- |  |   |                |
|--|---|----------------|
| UN/ID No.                                | : | Not applicable |
| Proper shipping name                     | : | Not applicable |
| Class                                    | : | Not applicable |
| Subsidiary risk                          | : | Not applicable |
| Packing group                            | : | Not applicable |
| Labels                                   | : | Not applicable |
| Packing instruction (cargo aircraft)     | : | Not applicable |
| Packing instruction (passenger aircraft) | : | Not applicable |

##### IMDG-Code

- |                      |   |                |
|----------------------|---|----------------|
| UN number            | : | Not applicable |
| Proper shipping name | : | Not applicable |
| Class                | : | Not applicable |
| Subsidiary risk      | : | Not applicable |
| Packing group        | : | Not applicable |
| Labels               | : | Not applicable |
| EmS Code             | : | Not applicable |
| Marine pollutant     | : | Not applicable |

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### Special precautions for user

- |         |   |  |
|---------|---|--|
| Remarks | : | Not classified as dangerous in the meaning of transport regulations. |
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# SAFETY DATA SHEET



## Quintect 105 SC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	2023/03/07	50002735	Date of first issue: 2023/03/07

### 15. REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Minister of Industry Regulation No. 23/M-IND/PER/4/2013 concerning the Revision of Minister of Industry Regulation No. 87/M-IND/PER/9/2009 concerning Globally Harmonized System of Classification and Labelling of Chemicals.**

**Regulation of the Minister of Health No. 472 of 1996 on the Safeguarding of Substances Hazardous to Health**

Hazardous substances that must be registered : Not applicable

**Government Regulation No. 74 of 2001 on the Management of Hazardous and Toxic Substances**

Hazardous substances approved for use : Not applicable

Prohibited substances : Not applicable

Restricted substances : Not applicable

**Regulation of the Ministry of Trade No. 7 of 2022 on Distribution and Control of Hazardous Materials**

Type of hazardous materials subject to distribution and control, Annex I : Not applicable

Type of hazardous materials subject to distribution and control, Annex II : Not applicable

**The ingredients of this product are reported in the following inventories:**

TCSI : Not in compliance with the inventory

TSCA : Product contains substance(s) not listed on TSCA inventory.

AIIC : Not in compliance with the inventory

DSL : This product contains the following components that are not on the Canadian DSL nor NDSL.

tert-Butyl (6-{{[(Z)-(1-methyl-1H-tetrazol-5-yl)phenyl]methylidene}aminooxymethyl}pyridin-2-yl)carbamate

ENCS : Not in compliance with the inventory

ISHL : On the inventory, or in compliance with the inventory

KECI : Not in compliance with the inventory

PICCS : Not in compliance with the inventory

# SAFETY DATA SHEET



## Quintect 105 SC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	2023/03/07	50002735	Date of first issue: 2023/03/07

IECSC	:	Not in compliance with the inventory
NZIoC	:	Not in compliance with the inventory
TECI	:	Not in compliance with the inventory

### 16. OTHER INFORMATION

Revision Date	:	2023/03/07
Date format	:	yyyy/mm/dd

#### Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

#### Disclaimer

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# SAFETY DATA SHEET



## Quintect 105 SC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	2023/03/07	50002735	Date of first issue: 2023/03/07

---

used in combination with any other materials or in any process. The user is responsible for determining whether the product is fit for a particular purpose and suitable for the user's conditions and methods of use. Since the conditions and methods of use are beyond the control of FMC Corporation, FMC Corporation expressly disclaims any and all liability as to any results obtained or arising from any use of the products or reliance on such information.

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