

SAFETY DATA SHEET



Quintect 105 SC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	2024/04/01	50002735	Date of first issue: 2024/04/01

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 Vietnam Company Limited

Address : No.12, Lot B, Thong Nhat Road
Song Than 2 Industrial Zone, Di An Ward
Di An Town, Binh Duong Province
Vietnam

Telephone : +842743790503

Telefax : +842743790501

Emergency telephone : For leak, fire, spill or accident emergencies, call:
+(84)-444581938 (CHEMTREC Vietnam)

Medical emergency:
All other countries: +1 651 / 632-6793 (Collect)

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.

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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 -< 13

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)

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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)
Carbon oxides
Sulfur oxides |
| Specific extinguishing methods | : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
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.
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).
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.
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.
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. |

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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

Physical state	:	liquid
Form	:	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.

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Possibility of hazardous reactions	: Stable under recommended storage conditions. No hazards to be specially mentioned.
Conditions to avoid	: Heat, flames and sparks.
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.

Product:

Acute oral toxicity	: Acute toxicity estimate: > 5.000 mg/kg Method: Calculation method
Acute dermal toxicity	: Acute toxicity estimate: > 5.000 mg/kg Method: Calculation method

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 classifica-

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Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Components:

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

Effects on fertility	:	Species: Rat
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Result: negative

Effects on fetal development : Species: Rat
Result: negative

Species: Rabbit
Result: negative

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)phenylmethylidene]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

Toxicity to daphnia and other : EC50 (Daphnia): 125 mg/l
aquatic invertebrates Exposure time: 48 h

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Toxicity to algae/aquatic plants : ErC50 (algae): 155 mg/l
Exposure time: 72 h

Components:

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

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 0,29 mg/l
Exposure time: 96 h
Remarks: No toxicity at the limit of solubility.

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 0,28 mg/l
Exposure time: 48 h
Remarks: No toxicity at the limit of solubility.

Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): > 0,25 mg/l
Exposure time: 72 h
Remarks: No toxicity at the limit of solubility.

NOEC (Pseudokirchneriella subcapitata (green algae)): 0,11 mg/l
Exposure time: 72 h

Toxicity to fish (Chronic toxicity) : NOEC (Pimephales promelas (fathead minnow)): 0,14 mg/l
Exposure time: 28 d

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0,27 mg/l
Exposure time: 28 d

Persistence and degradability

No data available

Bioaccumulative potential

Components:

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

Bioaccumulation : Species: Lepomis macrochirus (Bluegill sunfish)
Bioconcentration factor (BCF): 496
Exposure time: 29 d
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:

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Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Harmful to aquatic life with long lasting effects.

13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
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.

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Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

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

Law on Chemicals No. 06/2007/QH12

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)phenylmethylidene]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
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 : 2024/04/01
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

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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

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