

SAFETY DATA SHEET

TROJAN INSECTICIDE



Version 1.0 Revision Date: 06.10.2023 SDS Number: 50001285 Date of last issue: -
Date of first issue: 06.10.2023

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : TROJAN INSECTICIDE

Recommended use of the chemical and restrictions on use

Recommended use : Can be used as insecticide only.

Restrictions on use : Use as recommended by the label.

Manufacturer or supplier's details

Company : FMC Australasia Pty Ltd

Address : Building B, Level 2, 12 Julius Avenue,
North Ryde NSW 2113
Australia

Telephone : +1 800 066 355

Telefax : (02)9923 6011

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

Emergency telephone number : For leak, fire, spill or accident emergencies, call:
1800 033 111 (Ixon)

Medical emergency:
1 800 033 111 (Transport and 24 h Medical information)

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Acute toxicity (Inhalation) : Category 4

Skin sensitisation : Sub-category 1B

Specific target organ toxicity - repeated exposure : Category 1 (Nervous system)

GHS label elements

Hazard pictograms :

Signal word : Danger

SAFETY DATA SHEET



TROJAN INSECTICIDE

Version 1.0 Revision Date: 06.10.2023 SDS Number: 50001285 Date of last issue: -
Date of first issue: 06.10.2023

Hazard statements : H317 May cause an allergic skin reaction.
H332 Harmful if inhaled.
H372 Causes damage to organs (Nervous system) through prolonged or repeated exposure.

Precautionary statements : **Prevention:**
P260 Do not breathe mist or vapours.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves.

Response:
P302 + P352 IF ON SKIN: Wash with plenty of water.
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
P314 Get medical advice/ attention if you feel unwell.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

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

Other hazards which do not result in classification

Very toxic to aquatic life with long lasting effects.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
GAMMA-CYHALOTHRIN	76703-62-3	>= 10 -< 30
Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified	64742-94-5	>= 10 -< 30
Alcohols, C12-14-secondary, ethoxylated	84133-50-6	>= 1 -< 3

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

If inhaled : Consult a physician after significant exposure.
If unconscious, place in recovery position and seek medical

SAFETY DATA SHEET



TROJAN INSECTICIDE

Version 1.0 Revision Date: 06.10.2023 SDS Number: 50001285 Date of last issue: -
Date of first issue: 06.10.2023

- advice.
- In case of skin contact : If on skin, rinse well with water.
- In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
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.
Take victim immediately to hospital.
- Most important symptoms and effects, both acute and delayed : Gamma-cyhalothrin can cause feelings of burning, tingling or numbness in exposed areas (paraesthesia).
May cause an allergic skin reaction.
Harmful if inhaled.
Causes damage to organs through prolonged or repeated exposure.
- Notes to physician : Treat symptomatically.
-

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Dry chemical, CO₂, water spray or regular foam.
- 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 : Fire may produce irritating, corrosive and/or toxic gases.
Nitrogen oxides (NO_x)
Fluorinated compounds
Chlorinated compounds
Carbon 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 firefighters : Wear self-contained breathing apparatus for firefighting if necessary.
- Hazchem Code : •3Z
-

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protection : Use personal protective equipment.

SAFETY DATA SHEET



TROJAN INSECTICIDE

Version 1.0 Revision Date: 06.10.2023 SDS Number: 50001285 Date of last issue: -
Date of first issue: 06.10.2023

- tive equipment and emergency procedures Ensure adequate ventilation.
- Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.
-

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : Avoid formation of aerosol.
Do not breathe vapours/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Provide sufficient air exchange and/or exhaust in work rooms.
Dispose of rinse water in accordance with local and national regulations.
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
- Hygiene measures : When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
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.
- Further information on storage stability : No decomposition if stored and applied as directed.
-

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis

SAFETY DATA SHEET



TROJAN INSECTICIDE

Version 1.0 Revision Date: 06.10.2023 SDS Number: 50001285 Date of last issue: -
Date of first issue: 06.10.2023

Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified	64742-94-5	TWA	200 mg/m3 (total hydrocarbon vapor)	ACGIH
--	------------	-----	-------------------------------------	-------

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.
- Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles
- Skin and body protection : Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state : liquid
- Form : suspension
- Colour : off-white
- Odour : aromatic
- pH : 4.5 - 5.0
- Melting point/freezing point : < 0 °C
- Initial boiling point and boiling range : Decomposition: yes
Not applicable
- Flash point : 212 °C
Method: Pensky-Martens closed cup
- Flammability (solid, gas) : Not applicable
- Self-ignition : > 400 °C
- Vapour pressure : not determined

SAFETY DATA SHEET

TROJAN INSECTICIDE



Version 1.0 Revision Date: 06.10.2023 SDS Number: 50001285 Date of last issue: -
Date of first issue: 06.10.2023

Relative density : not determined

Density : 1.04 g/cm³ (20 °C)

Solubility(ies)
Water solubility : dispersible

Partition coefficient: n-octanol/water : Not applicable

Auto-ignition temperature : > 400 °C

Decomposition temperature : not determined

Explosive properties : Not explosive

Oxidizing properties : Non-oxidizing

SECTION 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 : No decomposition if stored and applied as directed.

Conditions to avoid : Protect from frost, heat and sunlight.

Incompatible materials : Strong oxidizing agents
Strong acids and strong bases

Hazardous decomposition products : Halogenated compounds
Carbon oxides
Hydrogen halides
Nitrogen oxides (NO_x)

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Harmful if inhaled.

Product:

Acute oral toxicity : LD50 (Rat, male): 2,250 mg/kg
Method: OECD Test Guideline 401
GLP: yes
Remarks: Information given is based on data obtained from similar product.

Acute inhalation toxicity : LC50 (Rat, male): > 2.72 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

SAFETY DATA SHEET
TROJAN INSECTICIDE



Version 1.0 Revision Date: 06.10.2023 SDS Number: 50001285 Date of last issue: -
Date of first issue: 06.10.2023

GLP: yes
Remarks: Based on data from similar materials

LC50 (Rat, female): 2.54 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
GLP: yes
Remarks: Based on data from similar materials

Acute dermal toxicity : LD50 Dermal (Rat): > 5,000 mg/kg
GLP: yes
Remarks: Information given is based on data obtained from similar product.

Components:

GAMMA-CYHALOTHRIN:

Acute oral toxicity : LD50 (Rat, female): ca. 55 mg/kg
Method: OECD Test Guideline 401
Symptoms: Tremors
GLP: yes

LD50 (Rat, male): > 50 mg/kg
Method: OECD Test Guideline 401
Symptoms: Tremors
GLP: yes

Acute inhalation toxicity : LC50 (Rat, female): 0.0282 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
Symptoms: Tremors
GLP: yes

LC50 (Rat, male): 0.0402 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
Symptoms: Tremors
GLP: yes

Acute dermal toxicity : LD50 (Rat, female): 1,650 mg/kg
Method: OECD Test Guideline 402
Symptoms: Tremors
GLP: yes

LD50 (Rat, male): > 1,500 mg/kg
Method: OECD Test Guideline 402
Symptoms: Tremors
GLP: yes

Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg
Method: OECD Test Guideline 401

SAFETY DATA SHEET



TROJAN INSECTICIDE

Version 1.0 Revision Date: 06.10.2023 SDS Number: 50001285 Date of last issue: -
Date of first issue: 06.10.2023

Remarks: Based on data from similar materials

Acute inhalation toxicity : LC50 (Rat): > 4.688 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg
Method: OECD Test Guideline 402
Assessment: The substance or mixture has no acute dermal toxicity

Alcohols, C12-14-secondary, ethoxylated:

Acute oral toxicity : LD50 (Rat): > 3,000 mg/kg
Method: Calculation method

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg
Method: Calculation method

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Product:

Method : OECD Test Guideline 404
Result : No skin irritation
Remarks : Minimal effects that do not meet the threshold for classification.
Based on data from a similar product.

Remarks : May cause skin irritation and/or dermatitis.

Components:

GAMMA-CYHALOTHRIN:

Species : Rabbit
Assessment : Irritating to skin.
Method : OECD Test Guideline 404
Result : irritating
GLP : yes

Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:

Species : Rabbit
Assessment : Repeated exposure may cause skin dryness or cracking.
Result : No skin irritation
Remarks : Minimal effects that do not meet the threshold for classification.
Based on data from similar materials

Alcohols, C12-14-secondary, ethoxylated:

Result : Skin irritation

SAFETY DATA SHEET



TROJAN INSECTICIDE

Version 1.0 Revision Date: 06.10.2023 SDS Number: 50001285 Date of last issue: -
Date of first issue: 06.10.2023

Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

Product:

Result : Mild eye irritation
Method : OECD Test Guideline 405
Remarks : Based on data from a similar product.

Remarks : Vapours may cause irritation to the eyes, respiratory system and the skin.

Components:

GAMMA-CYHALOTHRIN:

Species : Rabbit
Result : Eye irritation
Assessment : Irritating to eyes.
Method : OECD Test Guideline 405

Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:

Species : Rabbit
Assessment : No eye irritation
Remarks : Minimal effects that do not meet the threshold for classification.
Based on data from similar materials

Alcohols, C12-14-secondary, ethoxylated:

Result : Irreversible effects on the eye

Respiratory or skin sensitisation

Skin sensitisation

May cause an allergic skin reaction.

Respiratory sensitisation

Not classified due to lack of data.

Product:

Method : OECD Test Guideline 406
Result : The product is a skin sensitiser, sub-category 1B.
Remarks : Based on data from a similar product.

Remarks : Causes sensitisation.

Components:

GAMMA-CYHALOTHRIN:

Exposure routes : Dermal
Species : Guinea pig
Method : OECD Test Guideline 406
Result : May cause sensitisation by skin contact.

SAFETY DATA SHEET



TROJAN INSECTICIDE

Version 1.0 Revision Date: 06.10.2023 SDS Number: 50001285 Date of last issue: -
Date of first issue: 06.10.2023

Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:

Test Type : Maximisation Test
Species : Guinea pig
Result : Not a skin sensitizer.
Remarks : Based on data from similar materials

Chronic toxicity

Germ cell mutagenicity

Not classified due to lack of data.

Components:

GAMMA-CYHALOTHRIN:

Genotoxicity in vitro : Test Type: Ames test
Metabolic activation: with and without metabolic activation
Result: negative

Method: OECD Test Guideline 476
Result: negative

Genotoxicity in vivo : Test Type: Micronucleus test
Species: Mouse
Result: negative
GLP: yes

Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:

Genotoxicity in vitro : Test Type: reverse mutation assay
Method: OECD Test Guideline 471
Result: negative
Remarks: Based on data from similar materials

Genotoxicity in vivo : Test Type: Bone marrow chromosome aberration
Species: Rat
Application Route: inhalation (vapour)
Result: negative

Carcinogenicity

Not classified due to lack of data.

Components:

Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:

Species : Rat, male and female
Application Route : inhalation (vapour)
Exposure time : 12 month(s)
NOAEC : 1.8 mg/l
Result : negative
Remarks : Based on data from similar materials

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

SAFETY DATA SHEET



TROJAN INSECTICIDE

Version 1.0 Revision Date: 06.10.2023 SDS Number: 50001285 Date of last issue: -
Date of first issue: 06.10.2023

Reproductive toxicity

Not classified due to lack of data.

Components:

GAMMA-CYHALOTHRIN:

Effects on foetal development : Species: Rat
Dose: 1, 2.5, 5, 10 or 15 mg/kg bw/day
Embryo-foetal toxicity: NOEL: 2.5 mg/kg bw/day

STOT - single exposure

Not classified due to lack of data.

STOT - repeated exposure

Causes damage to organs (Nervous system) through prolonged or repeated exposure.

Components:

GAMMA-CYHALOTHRIN:

Target Organs : Nervous system
Assessment : The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 1.

Repeated dose toxicity

Components:

GAMMA-CYHALOTHRIN:

Species : Rat, male and female
NOAEL : 50 ppm
Application Route : Oral - feed
Exposure time : 13 weeks

Species : Rat, male and female
NOAEL : 4.19 - 4.49 mg/kg
LOAEL : 8.81 - 10.24 mg/kg
Application Route : Oral - feed
Exposure time : 13 weeks
Method : OECD Test Guideline 407
Target Organs : Nervous system
Symptoms : decrease in appetite

Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:

Species : Rat, male and female
NOAEC : 0.9 - 1.8 mg/l
Application Route : inhalation (vapour)
Exposure time : 12 months

Aspiration toxicity

Based on available data, the classification criteria are not met.

Product:

No aspiration toxicity classification

SAFETY DATA SHEET



TROJAN INSECTICIDE

Version 1.0 Revision Date: 06.10.2023 SDS Number: 50001285 Date of last issue: -
Date of first issue: 06.10.2023

Components:

GAMMA-CYHALOTHRIN:

The substance does not have properties associated with aspiration hazard potential.

Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:

May be fatal if swallowed and enters airways.

Experience with human exposure

Components:

Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:

Skin contact : Symptoms: Repeated exposure may cause skin dryness or cracking.

Further information

Product:

Remarks : No data available

Components:

Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:

Remarks : Vapour concentrations above recommended exposure levels are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anaesthetic and may have other central nervous system effects. Prolonged and/or repeated skin contact with low viscosity materials may defat the skin resulting in possible irritation and dermatitis. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 9.19 µg/l
Exposure time: 96 h
Remarks: Information given is based on data obtained from similar product.

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): 2.45 µg/l
Exposure time: 48 h
Remarks: Information given is based on data obtained from similar product.

Toxicity to algae/aquatic : IC50 (Selenastrum capricornutum (green algae)): 3.17 mg/l

SAFETY DATA SHEET

TROJAN INSECTICIDE



Version 1.0 Revision Date: 06.10.2023 SDS Number: 50001285 Date of last issue: -
Date of first issue: 06.10.2023

- plants Exposure time: 72 h
Remarks: Information given is based on data obtained from similar product.
- Toxicity to soil dwelling organisms : LC50 (*Eisenia fetida* (earthworms)): > 1,000 mg/kg
Exposure time: 14 d
Remarks: Information given is based on data obtained from similar product.
- Toxicity to terrestrial organisms : LD50 (*Colinus virginianus* (Bobwhite quail)): > 2,000 mg/kg
Remarks: Information given is based on data obtained from similar product.
- LD50 (*Apis mellifera* (bees)): 1.26
Exposure time: 48 h
End point: Acute oral toxicity
Remarks: Information given is based on data obtained from similar product.
- LD50 (*Apis mellifera* (bees)): 0.03
Exposure time: 48 h
End point: Acute contact toxicity

Components:

GAMMA-CYHALOTHRIN:

- Toxicity to fish : LC50 (*Oncorhynchus mykiss* (rainbow trout)): 0.07 µg/l
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): 0.1 µg/l
Exposure time: 48 h
Test Type: Static renewal test
Method: OECD Test Guideline 202
- (*Hyalella azteca* (Amphipod)): 0.000086 µg/l
Exposure time: 96 h
Test Type: flow-through test
Method: OPPTS 850.1010
- Toxicity to algae/aquatic plants : EC50 (algae): > 2.85 mg/l
Exposure time: 72 h
- NOEC (*Lemna gibba* (duckweed)): 0.5 µg/l
Exposure time: 7 d
Method: OECD Test Guideline 221
- Toxicity to fish (Chronic toxicity) : NOEC (*Pimephales promelas* (fathead minnow)): 0.016 µg/l
End point: mortality
Exposure time: 7 d
Test Type: Early Life-Stage
GLP: yes
- LOEC (*Pimephales promelas* (fathead minnow)): 0.04 µg/l
End point: mortality
Exposure time: 7 d

SAFETY DATA SHEET



TROJAN INSECTICIDE

Version 1.0 Revision Date: 06.10.2023 SDS Number: 50001285 Date of last issue: -
Date of first issue: 06.10.2023

Test Type: Early Life-Stage
GLP: yes

NOEC (Pimephales promelas (fathead minnow)): 0.0379 µg/l
End point: Hatching success
Exposure time: 35 d
Test Type: flow-through test
GLP: yes

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.0019 µg/l
End point: reproduction
Exposure time: 21 d
Test Type: flow-through test
Method: OECD Test Guideline 211

Toxicity to soil dwelling organisms : LC50 (Eisenia fetida (earthworms)): > 1300 mg/kg dry weight (d.w.)
Exposure time: 14 d

Toxicity to terrestrial organisms : LD50 (Colinus virginianus (Bobwhite quail)): > 2,000 mg/kg

LD50 (Apis mellifera (bees)): 0.005 µg/bee
Exposure time: 24 h
End point: Acute contact toxicity

LD50 (Apis mellifera (bees)): 4.2 µg/bee
Exposure time: 24 h
End point: Acute oral toxicity

Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): 2 - 5 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): 1.4 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EL50 (Pseudokirchneriella subcapitata (green algae)): 1 - 3 mg/l
Exposure time: 24 h
Method: OECD Test Guideline 201

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EL50 (Daphnia magna (Water flea)): 0.89 mg/l
Exposure time: 21 d
Method: OECD Test Guideline 211

Toxicity to microorganisms : LL50 (Tetrahymena pyriformis): 677.9 mg/l
Exposure time: 72 h
Test Type: Growth inhibition

Alcohols, C12-14-secondary, ethoxylated:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 3.5 - 4.9 mg/l

SAFETY DATA SHEET

TROJAN INSECTICIDE



Version 1.0 Revision Date: 06.10.2023 SDS Number: 50001285 Date of last issue: -
Date of first issue: 06.10.2023

Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 3.1 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Persistence and degradability

Components:

GAMMA-CYHALOTHRIN:

Biodegradability : Result: Not readily biodegradable.
Biodegradation: 21 %
Exposure time: 28 d

Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 58.6 %
Exposure time: 28 d
Method: OECD Test Guideline 301F
Remarks: Based on data from similar materials

Alcohols, C12-14-secondary, ethoxylated:

Biodegradability : Result: Readily biodegradable.
Biodegradation: > 60 %
Exposure time: 28 d
Method: OECD Test Guideline 301F

Bioaccumulative potential

Components:

GAMMA-CYHALOTHRIN:

Bioaccumulation : Remarks: Can accumulate in aquatic organisms.

Partition coefficient: n-octanol/water : log Pow: 4.96 (19 °C)
Method: OECD Test Guideline 107

log Pow: 5.65
Method: OECD Test Guideline 117

Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:

Bioaccumulation : Remarks: The product/substance has a potential to bioaccumulate.

Partition coefficient: n-octanol/water : log Pow: 3.72
Method: QSAR

Alcohols, C12-14-secondary, ethoxylated:

SAFETY DATA SHEET



TROJAN INSECTICIDE

Version 1.0 Revision Date: 06.10.2023 SDS Number: 50001285 Date of last issue: -
Date of first issue: 06.10.2023

Bioaccumulation : Species: Fish
Bioconcentration factor (BCF): 15 - 64

Partition coefficient: n-octanol/water : log Pow: 3.3 - 4.4

Mobility in soil

Components:

GAMMA-CYHALOTHRIN:

Distribution among environmental compartments : Remarks: immobile

Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:

Distribution among environmental compartments : Remarks: Expected to partition to sediment and wastewater solids. Moderately volatile.

Other adverse effects

Product:

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

Components:

GAMMA-CYHALOTHRIN:

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

SECTION 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.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

SAFETY DATA SHEET



TROJAN INSECTICIDE

Version 1.0 Revision Date: 06.10.2023 SDS Number: 50001285 Date of last issue: -
Date of first issue: 06.10.2023

UN number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Gamma-cyhalothrin)
Class : 9
Packing group : III
Labels : 9

IATA-DGR

UN/ID No. : UN 3082
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.
(Gamma-cyhalothrin)
Class : 9
Packing group : III
Labels : Miscellaneous
Packing instruction (cargo aircraft) : 964
Packing instruction (passenger aircraft) : 964
Environmentally hazardous : yes

IMDG-Code

UN number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Gamma-cyhalothrin)
Class : 9
Packing group : III
Labels : 9
EmS Code : F-A, S-F
Marine pollutant : yes
Remarks : Environmentally hazardous substances/Marine Pollutants in single or combination packaging containing a net quantity per single or inner packaging of 5 kg or less for solids, or having a net quantity per single or inner packaging of 5 L or less for liquids may be transported as non-dangerous goods as provided in special provision A197 of the IATA and section 2.10.2.7 of IMDG code.

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

Not applicable for product as supplied.

National Regulations

ADG

UN number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Gamma-cyhalothrin)
Class : 9
Packing group : III
Labels : 9
Hazchem Code : •3Z
Remarks : Environmentally hazardous substances meeting the descriptions of UN 3077 or UN 3082 are not subject to the ADG Code when transported by road or rail in packagings that do not

SAFETY DATA SHEET



TROJAN INSECTICIDE

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	06.10.2023	50001285	Date of first issue: 06.10.2023

incorporate a receptacle exceeding 500 kg / liters, or IBCs

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION

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

Standard for the Uniform : Schedule 5
Scheduling of Medicines and
Poisons

APVMA Code: 63180

Prohibition/Licensing Requirements : There is no applicable prohibition, authorisation and restricted use requirements, including for carcinogens referred to in Schedule 10 of the model WHS Act and Regulations.

The components of this product are reported in the following inventories:

TCSI	: On the inventory, or 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. (S)- α -CYANO-3-PHENOXYBENZYL (1R,3R)-3-[(Z)-2-CHLORO-3,3,3-TRIFLUOROPROP-1-ENYL]-2,2-DIMETHYLCYCLOPROPANECARBOXYLATE
ENCS	: Not in compliance with the inventory
ISHL	: Not 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

SAFETY DATA SHEET



TROJAN INSECTICIDE

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	06.10.2023	50001285	Date of first issue: 06.10.2023

NZIoC : Not in compliance with the inventory

TECI : Not in compliance with the inventory

SECTION 16. OTHER INFORMATION

Revision Date : 06.10.2023

Date format : dd.mm.yyyy

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)

ACGIH / TWA : 8-hour, time-weighted average

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

FMC Corporation believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. You can contact FMC Corporation to ensure that this document is the most current available from FMC Corporation. No warranty of fitness for any particular purpose, warranty of merchantability or any other warranty, expressed or implied, is made concerning the information provided herein. The information provided herein relates only to the specified product designated and may not be applicable where such product is

SAFETY DATA SHEET



TROJAN INSECTICIDE

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	06.10.2023	50001285	Date of first issue: 06.10.2023

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.

AU / 6N