



Version Revision Date: SDS Number: Date of last issue: -

1.0 10.06.2025 50000688 Date of first issue: 10.06.2025

1. IDENTIFICATION

Product name : RUFAST®

Manufacturer or supplier's details

Company : FMC LATINOAMÉRICA S.A.

Address : AV. RODRIGO DE CHÁVEZ Y JUAN TANCA

MARENGO. CIUDAD COLÓN. TORRE EMPRESARIAL 2 PISO 3 OFICINA 308.

GUAYAQUIL - ECUADOR

(593 04) 3901953

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

Emergency telephone : 1 703 / 741-5970 (CHEMTREC - International)

Medical Emergency Number : Desde Ecuador: 1800 593005 (Quito, La Sierra, Centro y

Norte).

Desde Bogotá: 288 60 12; Línea Nacional: 01 8000 916012

Desde Venezuela: 0800 1005012

Desde Perú: SAMU: 106; CISPROQUIM®: 080-050-847;

FMC LATINOAMERICA S.A. SUCURSAL: 421-4811;

Recommended use of the chemical and restrictions on use

Recommended use : Insecticide

Restrictions on use : Use as recommended by the label.

2. HAZARDS IDENTIFICATION

GHS Classification

Acute toxicity (Oral) : Category 4

Acute toxicity (Inhalation) : Category 4

Acute toxicity (Dermal) : Category 4

Short-term (acute) aquatic

hazard

Category 1

Long-term (chronic) aquatic

hazard

Category 1

GHS label elements





Version Revision Date: SDS Number: Date of last issue: -

1.0 10.06.2025 50000688 Date of first issue: 10.06.2025

Hazard pictograms





Signal Word : WARNING

Hazard Statements : H302 + H312 + H332 Harmful if swallowed, in contact with skin

or if inhaled.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements : Prevention:

P261 Avoid breathing mist or vapors.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or with adequate ventilation.

P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing.

Response:

P301 + P317 + P330 IF SWALLOWED: Get medical help.

Rinse mouth.

P302 + P352 + P317 IF ON SKIN: Wash with plenty of water.

Get medical help.

P304 + P340 + P317 IF INHALED: Remove person to fresh air

and keep comfortable for breathing. Get medical help.

P362 + P364 Take off contaminated clothing and wash it before

reuse.

P391 Collect spillage.

Disposal:

P501 Dispose of contents/ container to an approved waste

disposal plant.

Other hazards which do not result in classification

Hazard Statements required by Andean Technical Manual for the Registration and Control of Chemical Pesticides for Agricultural Use (Resolution no. 2075):

Harmful in contact with skin.

Harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
diethyl phthalate	84-66-2	>= 20 - < 25
Acrinathrin	101007-06-1	>= 2,5 - < 10

4. FIRST AID MEASURES





Version Revision Date: SDS Number: Date of last issue: -

1.0 10.06.2025 50000688 Date of first issue: 10.06.2025

General advice : Move out of dangerous area.

Show this material safety data sheet to the doctor in attend-

ance.

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 water.

If symptoms persist, call a physician. Wash contaminated clothing before re-use.

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.

Most important symptoms and effects, both acute and

delayed

Harmful if swallowed, in contact with skin or if inhaled.

Protection of first-aiders : Avoid inhalation, ingestion and contact with skin and eyes.

Notes to physician : Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable properties

Flash point : > 100 °C

Ignition temperature : No data available

Upper explosion limit / Upper :

flammability limit

not determined

Lower explosion limit / Lower :

flammability limit

not determined

Suitable extinguishing media : Dry chemical, CO2, water spray or regular foam.

Unsuitable extinguishing

media

Do not spread spilled material with high-pressure water

streams.

Specific hazards during fire

fighting

Do not allow run-off from fire fighting to enter drains or water

courses.





Version Revision Date: SDS Number: Date of last issue: -

1.0 10.06.2025 50000688 Date of first issue: 10.06.2025

Hazardous combustion prod: :

ucts

Fire may produce irritating, corrosive and/or toxic gases.

Carbon oxides

Nitrogen oxides (NOx) Hydrogen fluoride Hydrogen cyanide phosphorus oxides Fluorinated compounds

Specific extinguishing meth-

ods

Remove undamaged containers from fire area if it is safe to do

SO.

Use a water spray to cool fully closed containers.

Standard procedure for chemical fires.

Use extinguishing measures that are appropriate to local cir-

cumstances and the surrounding environment.

Special protective equipment :

for fire-fighters

Firefighters should wear protective clothing and self-contained

breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emer-

gency procedures

Use personal protective equipment.

Keep people away from and upwind of spill/leak.

Remove all sources of ignition.

Immediately evacuate personnel to safe areas.

Ensure adequate ventilation.

If it can be safely done, stop the leak.

Do not touch or walk through the spilled material. Never return spills in original containers for re-use.

Mark the contaminated area with signs and prevent access to

unauthorized personnel.

Only qualified personnel equipped with suitable protective

equipment may intervene.

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

Never return spills in original containers for re-use.

Collect as much of the spill as possible with a suitable absor-

bent material.

Pick up and transfer to properly labeled containers.

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 vapors/dust.

For personal protection see section 8.





Version Revision Date: SDS Number: Date of last issue: -

1.0 10.06.2025 50000688 Date of first issue: 10.06.2025

Smoking, eating and drinking should be prohibited in the ap-

plication area.

Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national

regulations.

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 stor-

age conditions

The product is stable under normal conditions of warehouse

storage.

Protect against strong heat, frost and excessive sunlight. Keep in closed, labelled containers. The storage room should be constructed of incombustible material, closed, dry, ventilated and with impermeable floor, without access of unauthorised persons or children. The room should only be used for storage of chemicals. Food, drink, feed and seed should not

be present. A hand wash station should be available.

Materials to avoid : Do not store near acids.

Recommended storage tem-

perature

0 - 30 °C

Further information on stor-

age stability

No decomposition if stored and applied as directed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.		Control parameters / Permissible concentration	Basis
diethyl phthalate	84-66-2	TWA	5 mg/m3	ACGIH

Personal protective equipment

Respiratory protection : In case of mist, spray or aerosol exposure wear suitable per-

sonal 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





Version Revision Date: SDS Number: Date of last issue: -

1.0 10.06.2025 50000688 Date of first issue: 10.06.2025

Skin and body protection : Impervious clothing

Choose body protection according to the amount and concen-

tration of the dangerous substance at the work place.

Protective measures : Plan first aid action before beginning work with this product.

Always have on hand a first-aid kit, together with proper in-

structions.

Wear suitable protective equipment. When using do not eat, drink or smoke.

In the context of professional plant protection use as recommended, the end user must refer to the label and the instruc-

tions for use.

Hygiene measures : General industrial hygiene practice.

Avoid contact with skin, eyes and clothing.

Do not inhale aerosol.

When using do not eat or drink. When using do not smoke.

Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : liquid

Color : off-white

Odor : slight, aromatic

Odor Threshold : not determined

pH : 4,57 (25 °C)

(undiluted)

Melting point/freezing point : not determined

Boiling point/boiling range : not determined

Flash point : $> 100 \, ^{\circ}\text{C}$

Evaporation rate : not determined

Self-ignition : 445 °C

Upper explosion limit / Upper

flammability limit

not determined





Version **Revision Date:** SDS Number: Date of last issue: -

10.06.2025 50000688 Date of first issue: 10.06.2025 1.0

Lower explosion limit / Lower : not determined

flammability limit

Vapor pressure Not available for this mixture.

Relative vapor density not determined

Relative density not determined

Density 1.068 g/cm3 (20 °C)

Solubility(ies)

Water solubility emulsifiable

Partition coefficient: n-

octanol/water

Not available for this mixture.

Autoignition temperature No data available

Decomposition temperature not determined

Viscosity

Viscosity, dynamic 534 mPa.s (25 °C)

No data available Viscosity, kinematic

Explosive properties Not explosive

Oxidizing properties Non-oxidizing

Molecular weight Not applicable

Particle size Not applicable

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 reac-

tions

No decomposition if stored and applied as directed.

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

> Avoid extreme temperatures. Avoid formation of aerosol.

Heating of the product will produce harmful and irritant va-

pours.





Version Revision Date: SDS Number: Date of last issue: -

1.0 10.06.2025 50000688 Date of first issue: 10.06.2025

Incompatible materials : Avoid strong acids, bases, and oxidizers.

Hazardous decomposition

products

: No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Harmful if swallowed, in contact with skin or if inhaled.

Product:

Acute oral toxicity : LD50(Rat, female): > 2.000 mg/kg

Method: OECD Test Guideline 423

Assessment: The component/mixture is minimally toxic after

single ingestion.

Assessment: The component/mixture is moderately toxic after

single ingestion.

Remarks: Resolution no. 2075

Acute inhalation toxicity : LC50(Rat, male and female): > 4,84 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Method: OECD Test Guideline 403

Assessment: The component/mixture is moderately toxic after

short term inhalation. Remarks: Evident toxicity

Assessment: The component/mixture is moderately toxic after

short term inhalation.

Remarks: Resolution no. 2075

Acute dermal toxicity : LD50(Rat, male and female): > 4.000 mg/kg

Method: OECD Test Guideline 402

Assessment: The component/mixture is minimally toxic after

single contact with skin.

Assessment: The component/mixture is moderately toxic after

single contact with skin.

Remarks: Resolution no. 2075

Components:

diethyl phthalate:

Acute oral toxicity : LD50 (Rat, male and female): > 5.591 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 4,63 mg/l

Exposure time: 6 h

Test atmosphere: dust/mist

Assessment: The substance or mixture has no acute inhala-

tion toxicity





Version Revision Date: SDS Number: Date of last issue: -

1.0 10.06.2025 50000688 Date of first issue: 10.06.2025

Acute dermal toxicity : LD50 (Rat, male and female): > 11.181 mg/kg

Acrinathrin:

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg

Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): 1,6 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg

Method: OECD Test Guideline 402

Assessment: The substance or mixture has no acute dermal

toxicity

Skin corrosion/irritation

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

Product:

Species : Rabbit

Assessment : No skin irritation

Method : OECD Test Guideline 404

Result : No skin irritation

Components:

diethyl phthalate:

Species : Rabbit
Method : Draize Test
Result : No skin irritation

Acrinathrin:

Species : Rabbit

Method : OECD Test Guideline 404

Result : No skin irritation

Serious eye damage/eye irritation

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

Product:

Species : Rabbit

Assessment : No eye irritation

Method : OECD Test Guideline 405

Result : No eye irritation

Components:

diethyl phthalate:

Species : Rabbit





Version Revision Date: SDS Number: Date of last issue: -

1.0 10.06.2025 50000688 Date of first issue: 10.06.2025

Result : No eye irritation

Acrinathrin:

Species : Rabbit

Method : OECD Test Guideline 405

Result : No eye irritation

Respiratory or skin sensitization

Skin sensitization

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

Respiratory sensitization

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

Components:

diethyl phthalate:

Test Type : Buehler Test Species : Guinea pig

Result : Does not cause skin sensitization.

Acrinathrin:

Test Type : Maximization Test

Species : Guinea pig

Result : Does not cause skin sensitization.

Germ cell mutagenicity

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

Product:

Germ cell mutagenicity -

Weight of evidence does not support classification as a germ

Assessment cell mutagen.

Components:

diethyl phthalate:

Genotoxicity in vitro : Test Type: Mouse lymphoma assay

Test system: mouse lymphoma cells Method: OECD Test Guideline 476

Result: negative

Test Type: Chromosome aberration test in vitro

Test system: Human lymphocytes Method: OECD Test Guideline 473

Result: negative

Test Type: reverse mutation assay Method: OECD Test Guideline 471

Result: negative





Version Revision Date: SDS Number: Date of last issue: -

1.0 10.06.2025 50000688 Date of first issue: 10.06.2025

Germ cell mutagenicity -

Assessment

Weight of evidence does not support classification as a germ

cell mutagen.

Acrinathrin:

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro

Test system: Chinese hamster ovary cells Metabolic activation: Metabolic activation

Result: positive

Genotoxicity in vivo : Test Type: chromosome aberration assay

Result: negative

Germ cell mutagenicity -

Assessment

Weight of evidence does not support classification as a germ

cell mutagen.

Carcinogenicity

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

Product:

Carcinogenicity - Assess-

ment

Weight of evidence does not support classification as a car-

cinogen

Components:

diethyl phthalate:

Species : Rat, male
Application Route : Dermal
Exposure time : 103 weeks

Dose : 320, 1015 mg/kg/d

: >= 1.015 mg/kg bw/day

Result : negative

Species : Rat, female Application Route : Dermal Exposure time : 103 weeks

Dose : 520, 1015 mg/kg/d

>= 1.015 mg/kg bw/day

Result : negative

Carcinogenicity - Assess-

ment

Weight of evidence does not support classification as a car-

cinogen

Acrinathrin:

Species : Rat, female

Method : OECD Test Guideline 453

Result : positive

Species : Mouse

Method : OECD Test Guideline 451

Result : negative





Version Revision Date: SDS Number: Date of last issue: -

1.0 10.06.2025 50000688 Date of first issue: 10.06.2025

Species : Rat

Method : OECD Test Guideline 453

Result : negative

Carcinogenicity - Assess-

ment

Weight of evidence does not support classification as a car-

cinogen

Reproductive toxicity

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

Product:

Reproductive toxicity - As-

sessment

Weight of evidence does not support classification for repro-

ductive toxicity

Components:

diethyl phthalate:

Effects on fertility : Test Type: Two-generation study

Species: Rat, male and female

Application Route: Oral

Dose: 0, 600, 3000, 15000 parts per million General Toxicity Parent: NOAEL: 15.000 General Toxicity F1: NOAEL: 3.000 Method: OECD Test Guideline 416

Result: negative

Effects on fetal development : Test Type: Developmental Toxicity Screening Test

Species: Rat

Application Route: Oral Dose: 0, 0.25, 2.5 & 5.0%

General Toxicity Maternal: NOAEL: 0,25 Developmental Toxicity: NOAEL: 2,5

Result: Embryotoxic effects and adverse effects on the offspring were detected only at high maternally toxic doses

Acrinathrin:

Reproductive toxicity - As-

sessment

No evidence of adverse effects on sexual function and fertility,

or on development, based on animal experiments.

STOT-single exposure

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

Components:

Acrinathrin:

Remarks : No significant adverse effects were reported

STOT-repeated exposure

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





Version Revision Date: SDS Number: Date of last issue: -

1.0 10.06.2025 50000688 Date of first issue: 10.06.2025

Components:

diethyl phthalate:

Assessment : The substance or mixture is not classified as specific target

organ toxicant, repeated exposure.

Repeated dose toxicity

Components:

diethyl phthalate:

Species : Rat, male and female

NOAEL : 150 mg/kg Application Route : Oral Exposure time : 2 - 16 w

Dose : 0, 150, 750, 3160mg/kg

Acrinathrin:

Species : Rat
LOEL : 9 mg/kg
Application Route : Oral
Exposure time : 90 day

Target Organs : Skin, Nervous system

Aspiration toxicity

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

Product:

No aspiration toxicity classification

Components:

Acrinathrin:

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

Experience with human exposure

Components:

diethyl phthalate:

General Information : Symptoms: male reproductive effects, central nervous system

effects

Skin contact : Symptoms: Dermatitis, sensitizing effects

Further information

Product:

Remarks : On contact, the active ingredient can cause feelings of burn-

ing, tingling or numbness in exposed areas (paraesthesia), which is harmless at low exposure, but can be quite painful,





Version Revision Date: SDS Number: Date of last issue: -

10.06.2025 50000688 Date of first issue: 10.06.2025 1.0

> especially in the eye. The effect may result from splash, aerosol or transfer from contaminated gloves. The effect is transient, lasting up to 24 hours, but may in exceptional cases last longer. It may be considered as a warning that overexposure has occurred and that work practice should be reviewed.

Remarks If swallowed, the active ingredient may produce non-specific

> symptoms (e.g. nausea, vomiting, diarrhoea). Large doses may produce disturbance of the central nervous system (e.g.

itching, tremors, convulsions).

Remarks No data available

Components:

Acrinathrin:

Remarks On contact, the active ingredient can cause feelings of burn-

> ing, tingling or numbness in exposed areas (paraesthesia), which is harmless at low exposure, but can be guite painful, especially in the eye. The effect may result from splash, aerosol or transfer from contaminated gloves. The effect is transient, lasting up to 24 hours, but may in exceptional cases last longer. It may be considered as a warning that overexposure has occurred and that work practice should be reviewed. Inhalation of the substance/product is uncomfortable and can result in coughing and difficulty breathing. This effect should

also be taken as a warning to avoid further exposure.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

LC50 (Oncorhynchus mykiss (rainbow trout)): 1,7 mg/l Toxicity to fish

Exposure time: 96 h

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): 3,7 µg/l

Exposure time: 48 h

Toxicity to algae/aquatic

plants

EC50 (Scenedesmus subspicatus): > 1.000 mg/l

Toxicity to terrestrial organ-

isms

LC50: 2 µg/bee Exposure time: 48 h

End point: Acute contact toxicity Species: Apis mellifera (bees)

LC50: 2 - 12 µg/bee Exposure time: 48 h

End point: Acute oral toxicity Species: Apis mellifera (bees)





Version Revision Date: SDS Number: Date of last issue: -

1.0 10.06.2025 50000688 Date of first issue: 10.06.2025

Components:

diethyl phthalate:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 12 mg/l

Exposure time: 96 h

Test Type: flow-through test

Toxicity to daphnia and other :

aquatic invertebrates

LC50 (Daphnia): 90 mg/l Exposure time: 48 h Test Type: static test

Toxicity to algae/aquatic

plants

EC10 (Desmodesmus subspicatus (green algae)): 9 mg/l

Exposure time: 72 h Test Type: static test

EC50 (Desmodesmus subspicatus (green algae)): 45 mg/l

Exposure time: 72 h Test Type: static test

Toxicity to microorganisms : EC20 (activated sludge): 400 mg/l

Exposure time: 0,5 h

Test Type: Respiration inhibition

Method: ISO 8192

Toxicity to fish (Chronic tox-

icity)

NOEC: 5 mg/l

Exposure time: 28 d

Species: Cyprinus carpio (Carp) Test Type: semi-static test

Toxicity to daphnia and other : aquatic invertebrates (Chron-

ic toxicity)

NOEC: 25 mg/l

Exposure time: 21 d

Species: Daphnia magna (Water flea)

Test Type: flow-through test

Toxicity to soil dwelling or-

ganisms

LC50: 0.85 mg/cm2

Exposure time: 48 d

Species: Eisenia fetida (earthworms) Method: OECD Test Guideline 207

Acrinathrin:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0,0061 mg/l

Exposure time: 96 h

LC50 (Pimephales promelas (fathead minnow)): 0,002 mg/l

Exposure time: 96 h

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): 0,000022 mg/l

Exposure time: 48 h

Toxicity to algae/aquatic

plants

IC50 (Scenedesmus subspicatus): > 100 mg/l

Exposure time: 72 h

M-Factor (Acute aquatic tox- : 10.000





Version Revision Date: SDS Number: Date of last issue: -

1.0 10.06.2025 50000688 Date of first issue: 10.06.2025

icity)

Toxicity to daphnia and other :

aquatic invertebrates (Chron-

ic toxicity)

NOEC: 0,0063 µg/l Exposure time: 21 d

Species: Daphnia magna (Water flea)

M-Factor (Chronic aquatic

toxicity)

10.000

Toxicity to soil dwelling or-

ganisms

LC50: > 186 mg/kg Exposure time: 14 d

Species: Eisenia fetida (earthworms)

Toxicity to terrestrial organ-

isms

LD50: 0.08 µg/bee

End point: Acute contact toxicity Species: Apis mellifera (bees)

Persistence and degradability

Product:

Biodegradability : Result: Not readily biodegradable.

Remarks: It undergoes degradation in the environment and in

waste water treatment plants.

Components:

diethyl phthalate:

Biodegradability : Inoculum: activated sludge, adapted

Result: Readily biodegradable. Biodegradation: 94,6 % Exposure time: 28 d

Acrinathrin:

Biodegradability : Result: Not readily biodegradable.

Stability in water : Degradation half life: 1 d

Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data is available on the product itself.

Components:

diethyl phthalate:

Bioaccumulation : Bioconcentration factor (BCF): 13,1

Method: QSAR

Partition coefficient: n-

: log Pow: 2,2 (40 °C)

octanol/water

pH: 7,5





Version Revision Date: SDS Number: Date of last issue: -

1.0 10.06.2025 50000688 Date of first issue: 10.06.2025

Acrinathrin:

Bioaccumulation : Species: Cyprinus carpio (Carp)

Bioconcentration factor (BCF): 538 Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-

octanol/water

log Pow: 5,24 (25 °C)

Mobility in soil

Product:

Distribution among environ-

mental compartments

Remarks: No data is available on the product itself.

Components:

Acrinathrin:

Distribution among environ-

mental compartments

Remarks: immobile

Other adverse effects

Product:

Additional ecological infor-

mation

An environmental hazard cannot be excluded in the event of

unprofessional handling or disposal.

Very toxic to aquatic life with long lasting effects.

An environmental hazard cannot be excluded in the event of

unprofessional handling or disposal.

Very toxic to aquatic life with long lasting effects.

Global warming potential

Assessment Report of the Intergovernmental Panel on Climate Change (IPCC) of the United Nations Framework Convention on Climate Change (UNFCCC)

Components:

octamethylcyclotetrasiloxane [D4]:

20-year global warming potential: 2,66 100-year global warming potential: 0,739 500-year global warming potential: 0,211

Atmospheric lifetime: 0,027 yr Radiative efficiency: 0,12 Wm2ppb

Further information: Miscellaneous compounds

13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : The product should not be allowed to enter drains, water

courses or the soil.





Version Revision Date: SDS Number: Date of last issue: -

1.0 10.06.2025 50000688 Date of first issue: 10.06.2025

Do not contaminate ponds, waterways or ditches with chemi-

cal or used container.

Send to a licensed waste management company.

Contaminated packaging : It is prohibited to reuse, bury, burn, or sell containers. Rinsa-

ble containers: Triple rinse containers of less than 20 liters and pressure rinse containers of 20 liters or more. Triple rinsing: Add water up to ¼ of the container's capacity, close and shake for 30 seconds. Pour the rinse water into the mixing tank, considering this volume of water within the recommended volume for mixing preparation. Perform this procedure three times. Pressure rinsing: Activate the pressure rinsing device for 30 seconds, considering the volume of water used as part of the recommended volume for mixing preparation. In both procedures, punctured the container on its base without damaging the label. In all cases, take the empty containers to collection points indicated by the local empty containers pro-

gram.

14. TRANSPORT INFORMATION

International Regulations

UNRTDG

UN number : UN 3082

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S. (Acrinathrin)

Class : 9
Packing group : III
Labels : 9
Environmentally hazardous : yes

IATA-DGR

UN/ID No. : UN 3082

Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.

(Acrinathrin)

964

Class : 9 Packing group : III

Labels : Miscellaneous

Packing instruction (cargo :

aircraft)

Packing instruction (passen- : 964

ger aircraft)

Environmentally hazardous : yes

IMDG-Code

UN number : UN 3082

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S. (Acrinathrin)

Class : 9 Packing group : III





Version Revision Date: SDS Number: Date of last issue: -

1.0 10.06.2025 50000688 Date of first issue: 10.06.2025

Labels : 9

EmS Code : F-A, S-F Marine pollutant : yes

Transport in bulk according to IMO instruments

Not applicable for product as supplied.

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.

15. REGULATORY INFORMATION

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

Organic Law on Integral Prevention of Social and Eco- : Not applicable

nomic Phenomenon of Drugs and of Regulation and Use Control of Listed Substances subject to Monitoring

The ingredients 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.

Acrinathrin

Poly(oxy-1,2-ethanediyl), α -[2,4,6-tris(1-phenylethyl)phenyl]-

ω-hydroxy-, phosphate, potassium salt

Smectite-group minerals

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

NZIoC : Not in compliance with the inventory

TECI: Not in compliance with the inventory





Version Revision Date: SDS Number: Date of last issue: -

1.0 10.06.2025 50000688 Date of first issue: 10.06.2025

16. OTHER INFORMATION

Revision Date : 10.06.2025

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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

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