

# SAFETY DATA SHEET



## Pirimiphos-Methyl Formulation

Version 5.0 Revision Date: 14.04.2025 SDS Number: 1357400-00019 Date of last issue: 06.07.2024 Date of first issue: 24.02.2017

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### SECTION 1. IDENTIFICATION

Product name : Pirimiphos-Methyl Formulation

#### Manufacturer or supplier's details

Company : MSD

Address : Talcahuano 750, 6th floor, Ciudad Autonoma Buenos Aires, Argentina C1013AAP

Telephone : 908-740-4000

Emergency telephone : 1-908-423-6000

E-mail address : EHSDATASTEWARD@msd.com

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

Recommended use : Veterinary product

Restrictions on use : Not applicable

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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Skin corrosion/irritation : Category 2

Serious eye damage/eye irritation : Category 2B

Specific target organ toxicity - single exposure : Category 1 (Central nervous system)

Short-term (acute) aquatic hazard : Category 1

Long-term (chronic) aquatic hazard : Category 1

#### GHS label elements

Hazard pictograms :



Signal Word : Danger

Hazard Statements : H315 + H320 Causes skin and eye irritation.  
H370 Causes damage to organs (Central nervous system).  
H410 Very toxic to aquatic life with long lasting effects.

# SAFETY DATA SHEET



## Pirimiphos-Methyl Formulation

Version 5.0	Revision Date: 14.04.2025	SDS Number: 1357400-00019	Date of last issue: 06.07.2024 Date of first issue: 24.02.2017
----------------	------------------------------	------------------------------	---

### Precautionary Statements

#### : Prevention:

P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P273 Avoid release to the environment.  
P280 Wear protective gloves.

#### : Response:

P302 + P352 IF ON SKIN: Wash with plenty of water.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308 + P311 IF exposed or concerned: Call a POISON CENTER/ doctor.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
P391 Collect spillage.

#### : Storage:

P405 Store locked up.

#### : Disposal:

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

### Other hazards which do not result in classification

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

Chemical name	CAS-No.	Concentration (% w/w)
Polyvinyl chloride	9002-86-2	>= 70 -< 90
Pirimiphos-methyl (ISO)	29232-93-7	>= 20 -< 25
Titanium dioxide	13463-67-7	>= 0,1 -< 1

## SECTION 4. FIRST AID MEASURES

General advice : In the case of accident or if you feel unwell, seek medical advice immediately.  
When symptoms persist or in all cases of doubt seek medical advice.  
In the case of accident or if you feel unwell, seek medical advice immediately.  
When symptoms persist or in all cases of doubt seek medical advice.

If inhaled : If inhaled, remove to fresh air.

# SAFETY DATA SHEET



## Pirimiphos-Methyl Formulation

Version 5.0	Revision Date: 14.04.2025	SDS Number: 1357400-00019	Date of last issue: 06.07.2024 Date of first issue: 24.02.2017
----------------	------------------------------	------------------------------	---

In case of skin contact	<p>Get medical attention.</p> <p>: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.</p>
In case of eye contact	<p>Get medical attention.</p> <p>Wash clothing before reuse.</p> <p>Thoroughly clean shoes before reuse.</p> <p>: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.</p> <p>If easy to do, remove contact lens, if worn.</p>
If swallowed	<p>Get medical attention.</p> <p>: If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel.</p> <p>Get medical attention.</p> <p>Rinse mouth thoroughly with water.</p> <p>Never give anything by mouth to an unconscious person.</p>
Most important symptoms and effects, both acute and delayed	<p>: Causes skin and eye irritation.</p> <p>Causes damage to organs.</p>
Protection of first-aiders	<p>: First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).</p>
Notes to physician	<p>: Treat symptomatically and supportively.</p>

## SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	<p>: Water spray</p> <p>Alcohol-resistant foam</p> <p>Carbon dioxide (CO2)</p> <p>Dry chemical</p>
Unsuitable extinguishing media	<p>: None known.</p>
Specific hazards during fire fighting	<p>: Exposure to combustion products may be a hazard to health.</p>
Hazardous combustion products	<p>: Carbon oxides</p> <p>Chlorine compounds</p>
Specific extinguishing methods	<p>: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.</p> <p>Use water spray to cool unopened containers.</p> <p>Remove undamaged containers from fire area if it is safe to do so.</p> <p>Evacuate area.</p>
Special protective equipment for fire-fighters	<p>: In the event of fire, wear self-contained breathing apparatus.</p> <p>Use personal protective equipment.</p>

## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	<p>: Use personal protective equipment.</p> <p>Follow safe handling advice (see section 7) and personal</p>
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# SAFETY DATA SHEET



## Pirimiphos-Methyl Formulation

Version 5.0 Revision Date: 14.04.2025 SDS Number: 1357400-00019 Date of last issue: 06.07.2024 Date of first issue: 24.02.2017

gency procedures	protective equipment recommendations (see section 8).
Environmental precautions	<ul style="list-style-type: none"><li>: Avoid release to the environment.</li><li>Prevent further leakage or spillage if safe to do so.</li><li>Retain and dispose of contaminated wash water.</li><li>Local authorities should be advised if significant spillages cannot be contained.</li></ul>
Methods and materials for containment and cleaning up	<ul style="list-style-type: none"><li>: Surround spill with absorbents and place a damp covering over the area to minimize entry of the material into the air.</li><li>Add excess liquid to allow the material to enter into solution.</li><li>Soak up with inert absorbent material.</li><li>Clean up remaining materials from spill with suitable absorbent.</li><li>Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.</li><li>Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.</li></ul>

## SECTION 7. HANDLING AND STORAGE

Technical measures	<ul style="list-style-type: none"><li>: See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.</li></ul>
Local/Total ventilation	<ul style="list-style-type: none"><li>: Use only with adequate ventilation.</li></ul>
Advice on safe handling	<ul style="list-style-type: none"><li>: Do not get on skin or clothing.</li><li>Do not swallow.</li><li>Do not get in eyes.</li><li>Wash skin thoroughly after handling.</li><li>Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment</li><li>Do not eat, drink or smoke when using this product.</li><li>Take care to prevent spills, waste and minimize release to the environment.</li></ul>
Conditions for safe storage	<ul style="list-style-type: none"><li>: Keep in properly labeled containers.</li><li>Store locked up.</li><li>Store in accordance with the particular national regulations.</li></ul>
Materials to avoid	<ul style="list-style-type: none"><li>: Do not store with the following product types:</li><li>Strong oxidizing agents</li><li>Self-reactive substances and mixtures</li><li>Organic peroxides</li><li>Explosives</li><li>Gases</li></ul>

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Ingredients with workplace control parameters

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

# SAFETY DATA SHEET



## Pirimiphos-Methyl Formulation

Version 5.0	Revision Date: 14.04.2025	SDS Number: 1357400-00019	Date of last issue: 06.07.2024 Date of first issue: 24.02.2017
----------------	------------------------------	------------------------------	---

Polyvinyl chloride	9002-86-2	TWA (Respirable particulate matter)	1 mg/m <sup>3</sup>	ACGIH	
Pirimiphos-methyl (ISO)	29232-93-7	TWA	60 µg/m <sup>3</sup> (OEB 3)	Internal	
		Further information: Skin			
Titanium dioxide	13463-67-7	Wipe limit	600 µg/100 cm <sup>2</sup>	Internal	
		CMP	10 mg/m <sup>3</sup>	AR OEL	
		Further information: A4 - Not classifiable as a human carcinogen			

**Engineering measures** : All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. Containment technologies suitable for controlling compounds are required to control at source and to prevent migration of the compound to uncontrolled areas (e.g., open-face containment devices). Minimize open handling.

### Personal protective equipment

Respiratory protection : If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.

Filter type

Hand protection

Material

Remarks

Eye protection

Skin and body protection

Hygiene measures

: Particulates type

: Chemical-resistant gloves

: Consider double gloving.

: Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.

: Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially contaminated clothing.

: If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place.

When using do not eat, drink or smoke.

Wash contaminated clothing before re-use.

The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the use of administrative controls.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : solid

# SAFETY DATA SHEET



## Pirimiphos-Methyl Formulation

Version 5.0      Revision Date: 14.04.2025      SDS Number: 1357400-00019      Date of last issue: 06.07.2024  
Date of first issue: 24.02.2017

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Color	:	yellow
Odor	:	characteristic
Odor Threshold	:	No data available
pH	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	Not applicable
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not classified as a flammability hazard
Flammability (liquids)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	No data available
Relative vapor density	:	No data available
Relative density	:	No data available
Density	:	No data available
Solubility(ies)		
Water solubility	:	insoluble
Partition coefficient: n-octanol/water	:	No data available
Autoignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity		
Viscosity, kinematic	:	No data available
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Molecular weight	:	No data available

# SAFETY DATA SHEET



## Pirimiphos-Methyl Formulation

Version 5.0 Revision Date: 14.04.2025 SDS Number: 1357400-00019 Date of last issue: 06.07.2024 Date of first issue: 24.02.2017

Particle characteristics  
Particle size : No data available

### SECTION 10. STABILITY AND REACTIVITY

Reactivity : Not classified as a reactivity hazard.  
Chemical stability : Stable under normal conditions.  
Possibility of hazardous reactions : Can react with strong oxidizing agents.  
Conditions to avoid : None known.  
Incompatible materials : Oxidizing agents  
Hazardous decomposition products : No hazardous decomposition products are known.

### SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Skin contact  
Ingestion  
Eye contact

#### Acute toxicity

Not classified based on available information.

#### Product:

Acute oral toxicity : Acute toxicity estimate: > 5.000 mg/kg  
Method: Calculation method  
  
Acute inhalation toxicity : Acute toxicity estimate: > 10 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Calculation method  
  
Acute dermal toxicity : Acute toxicity estimate: > 5.000 mg/kg  
Method: Calculation method

#### Components:

##### **Pirimiphos-methyl (ISO):**

Acute oral toxicity	: LD50 (Rat): 1.180 mg/kg
	LD50 (Rat): 2.400 - 5.976 mg/kg
	LD50 (Mouse): > 575 mg/kg
	LD50 (Dog): > 1.500 mg/kg
Acute inhalation toxicity	: LC50 (Rat): > 5,04 mg/l Exposure time: 4 h
Acute dermal toxicity	: LD50 (Rabbit): 2.000 mg/kg LD50 (Rat): > 4.592 mg/kg

# SAFETY DATA SHEET



## Pirimiphos-Methyl Formulation

Version 5.0      Revision Date: 14.04.2025      SDS Number: 1357400-00019      Date of last issue: 06.07.2024  
Date of first issue: 24.02.2017

### Titanium dioxide:

Acute oral toxicity	: LD50 (Rat): > 5.000 mg/kg
Acute inhalation toxicity	: LC50 (Rat): > 6,82 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inhalation toxicity

### Skin corrosion/irritation

Causes skin irritation.

### Components:

#### Pirimiphos-methyl (ISO):

Species	: Rabbit
Result	: irritating

### Titanium dioxide:

Species	: Rabbit
Result	: No skin irritation

### Serious eye damage/eye irritation

Causes eye irritation.

### Components:

#### Pirimiphos-methyl (ISO):

Species	: Rabbit
Result	: Mild eye irritation

### Titanium dioxide:

Species	: Rabbit
Result	: No eye irritation

### Respiratory or skin sensitization

#### Skin sensitization

Not classified based on available information.

#### Respiratory sensitization

Not classified based on available information.

### Components:

#### Pirimiphos-methyl (ISO):

Test Type	: Maximization Test
Routes of exposure	: Dermal
Species	: Guinea pig
Result	: Not a skin sensitizer.

**Pirimiphos-Methyl Formulation**

Version 5.0

Revision Date: 14.04.2025

SDS Number: 1357400-00019

Date of last issue: 06.07.2024  
Date of first issue: 24.02.2017**Titanium dioxide:**

Test Type	:	Local lymph node assay (LLNA)
Routes of exposure	:	Skin contact
Species	:	Mouse
Result	:	negative

**Germ cell mutagenicity**

Not classified based on available information.

**Components:****Pirimiphos-methyl (ISO):**

Genotoxicity in vitro	:	Test Type: Bacterial reverse mutation assay (AMES) Result: equivocal
		Test Type: sister chromatid exchange assay Result: positive
Genotoxicity in vivo	:	Test Type: Micronucleus test Species: Mouse Result: negative
		Test Type: Rodent dominant lethal test (germ cell) (in vivo) Species: Mouse Result: negative

**Titanium dioxide:**

Genotoxicity in vitro	:	Test Type: Bacterial reverse mutation assay (AMES) Result: negative
Genotoxicity in vivo	:	Test Type: In vivo micronucleus test Species: Mouse Result: negative

**Carcinogenicity**

Not classified based on available information.

**Components:****Pirimiphos-methyl (ISO):**

Species	:	Rat
Application Route	:	Oral
Exposure time	:	2 Years
Result	:	negative
Species	:	Mouse
Application Route	:	Oral
Exposure time	:	80 weeks
Result	:	negative
Carcinogenicity - Assessment	:	Animal testing did not show any carcinogenic effects.

**Pirimiphos-Methyl Formulation**

Version 5.0      Revision Date: 14.04.2025      SDS Number: 1357400-00019      Date of last issue: 06.07.2024  
Date of first issue: 24.02.2017

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**Titanium dioxide:**

Species	:	Rat
Application Route	:	inhalation (dust/mist/fume)
Exposure time	:	2 Years
Method	:	OECD Test Guideline 453
Result	:	positive
Remarks	:	The mechanism or mode of action may not be relevant in humans.
Carcinogenicity - Assessment	:	Limited evidence of carcinogenicity in inhalation studies with animals.

**Reproductive toxicity**

Not classified based on available information.

**Components:****Pirimiphos-methyl (ISO):**

Effects on fertility	:	Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: Oral Fertility: NOAEL: 15,4 mg/kg body weight Result: No effects on fertility.
Effects on fetal development	:	Test Type: Development Species: Rat Application Route: Oral Developmental Toxicity: NOAEL: 150 mg/kg body weight Result: No effects on early embryonic development. Remarks: Maternal toxicity observed.
	:	Test Type: Development Species: Rabbit Application Route: Oral Developmental Toxicity: NOAEL: 48 mg/kg body weight Result: No effects on early embryonic development. Remarks: Maternal toxicity observed.

**STOT-single exposure**

Causes damage to organs (Central nervous system).

**Components:****Pirimiphos-methyl (ISO):**

Target Organs	:	Central nervous system
Assessment	:	Causes damage to organs.

**STOT-repeated exposure**

Not classified based on available information.

**Components:****Pirimiphos-methyl (ISO):**

Remarks	:	Not classified due to inconclusive data.
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**Pirimiphos-Methyl Formulation**

Version 5.0

Revision Date: 14.04.2025

SDS Number: 1357400-00019

Date of last issue: 06.07.2024  
Date of first issue: 24.02.2017**Repeated dose toxicity****Components:****Pirimiphos-methyl (ISO):**

Species	:	Rat
NOAEL	:	0,5 mg/kg
LOAEL	:	2,5 mg/kg
Application Route	:	Oral
Exposure time	:	28 d
Target Organs	:	Central nervous system
Symptoms	:	cholinesterase inhibition
Species	:	Dog
LOAEL	:	2 mg/kg
Application Route	:	Oral
Exposure time	:	13 Weeks
Target Organs	:	Central nervous system
Symptoms	:	cholinesterase inhibition
Species	:	Rat
NOAEL	:	25 mg/kg
Application Route	:	Oral
Exposure time	:	90 d
Target Organs	:	Central nervous system
Symptoms	:	cholinesterase inhibition
Remarks	:	No significant adverse effects were reported
Species	:	Dog
LOAEL	:	0,5 mg/kg
Application Route	:	Oral
Exposure time	:	2 y
Target Organs	:	Central nervous system
Symptoms	:	cholinesterase inhibition
Species	:	Rat
LOAEL	:	2,1 mg/kg
Application Route	:	Oral
Exposure time	:	2 y
Target Organs	:	Central nervous system
Symptoms	:	cholinesterase inhibition

**Titanium dioxide:**

Species	:	Rat
NOAEL	:	24.000 mg/kg
Application Route	:	Ingestion
Exposure time	:	28 Days
Species	:	Rat
NOAEL	:	10 mg/m <sup>3</sup>
Application Route	:	inhalation (dust/mist/fume)
Exposure time	:	2 y

**Pirimiphos-Methyl Formulation**

Version 5.0 Revision Date: 14.04.2025 SDS Number: 1357400-00019 Date of last issue: 06.07.2024 Date of first issue: 24.02.2017

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**Aspiration toxicity**

Not classified based on available information.

**Experience with human exposure****Components:****Pirimiphos-methyl (ISO):**

Ingestion	: Symptoms: Nausea, Vomiting, Dizziness, confusion, Headache, Weakness, stomach discomfort, Blurred vision, muscle twitching
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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Components:****Pirimiphos-methyl (ISO):**

Toxicity to fish	: LC50 (Oncorhynchus mykiss (rainbow trout)): 0,2 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 0,00021 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	: EC50 (Pseudokirchneriella subcapitata (green algae)): > 1 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
M-Factor (Acute aquatic toxicity)	: 1.000
Toxicity to fish (Chronic toxicity)	: NOEC (Pimephales promelas (fathead minnow)): 0,13 mg/l Exposure time: 35 d Method: OECD Test Guideline 210
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC (Daphnia magna (Water flea)): 0,00011 mg/l Exposure time: 21 d Method: OECD Test Guideline 211
M-Factor (Chronic aquatic toxicity)	: 100

**Titanium dioxide:**

Toxicity to fish	: LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	: EC50 (Skeletonema costatum (marine diatom)): > 10.000 mg/l Exposure time: 72 h

# SAFETY DATA SHEET



## Pirimiphos-Methyl Formulation

Version 5.0 Revision Date: 14.04.2025 SDS Number: 1357400-00019 Date of last issue: 06.07.2024 Date of first issue: 24.02.2017

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Toxicity to microorganisms : EC50: > 1.000 mg/l  
Exposure time: 3 h  
Method: OECD Test Guideline 209

### Persistence and degradability

#### Components:

##### **Pirimiphos-methyl (ISO):**

Stability in water : Hydrolysis: 50 %(117 d)

### Bioaccumulative potential

#### Components:

##### **Pirimiphos-methyl (ISO):**

Partition coefficient: n-octanol/water : log Pow: 4,2

### Mobility in soil

No data available

### Other adverse effects

No data available

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Do not dispose of waste into sewer.  
Dispose of in accordance with local regulations.  
Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.  
If not otherwise specified: Dispose of as unused product.

## SECTION 14. TRANSPORT INFORMATION

### International Regulations

#### **UNRTDG**

UN number : UN 3077  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(Pirimiphos-methyl (ISO))  
Class : 9  
Packing group : III  
Labels : 9  
Environmentally hazardous : yes

#### **IATA-DGR**

UN/ID No. : UN 3077  
Proper shipping name : Environmentally hazardous substance, solid, n.o.s.  
(Pirimiphos-methyl (ISO))  
Class : 9  
Packing group : III  
Labels : Miscellaneous

# SAFETY DATA SHEET



## Pirimiphos-Methyl Formulation

Version 5.0 Revision Date: 14.04.2025 SDS Number: 1357400-00019 Date of last issue: 06.07.2024 Date of first issue: 24.02.2017

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Packing instruction (cargo aircraft) : 956  
Packing instruction (passenger aircraft) : 956  
Environmentally hazardous : yes

### IMDG-Code

UN number : UN 3077  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(Pirimiphos-methyl (ISO))  
Class : 9  
Packing group : III  
Labels : 9  
EmS Code : F-A, S-F  
Marine pollutant : yes

### 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

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.

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## SECTION 15. REGULATORY INFORMATION

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

Argentina. Carcinogenic Substances and Agents Registry. : Not applicable

Control of precursors and essential chemicals for the preparation of drugs. : Not applicable

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

AICS : not determined  
DSL : not determined  
IECSC : not determined

## SECTION 16. OTHER INFORMATION

Revision Date : 14.04.2025  
Date format : dd.mm.yyyy

### Further information

Sources of key data used to compile the Material Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

**Pirimiphos-Methyl Formulation**Version  
5.0Revision Date:  
14.04.2025SDS Number:  
1357400-00019Date of last issue: 06.07.2024  
Date of first issue: 24.02.2017

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

**Full text of other abbreviations**

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
AR OEL	:	Argentina. Occupational Exposure Limits
ACGIH / TWA	:	8-hour, time-weighted average
AR OEL / CMP	:	TLV (Threshold Limit Value)

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

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

AR / Z8