UK REACH Regulations SI 2019/758

According to REACH Regulation (EC) No 1907/2006, as amended by



# **Pirimiphos-Methyl Formulation**

Version	Revision Date:	SDS Number:	Date of last issue: 06.07.2024
4.1	28.09.2024	9373242-00009	Date of first issue: 27.08.2021

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1	<b>Product identifier</b> Trade name	:	Pirimiphos-Methyl Formulation
1.2	Relevant identified uses of th	ne s	substance or mixture and uses advised against
	Use of the Sub- stance/Mixture	:	Veterinary product
	Recommended restrictions on use	:	Not applicable
1.3	Details of the supplier of the	saf	ety data sheet
	Company	:	MSD Walton Manor, Walton MK7 7AJ Milton Keynes - United Kingdom
	Telephone	:	+1-908-740-4000
	E-mail address of person responsible for the SDS	:	EHSDATASTEWARD@msd.com

#### 1.4 Emergency telephone number

+1-908-423-6000

#### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Specific target organ toxicity - single ex-	H370: Causes damage to organs.
posure, Category 1	
Short-term (acute) aquatic hazard, Cate-	H400: Very toxic to aquatic life.
gory 1	
Long-term (chronic) aquatic hazard, Cat-	H410: Very toxic to aquatic life with long lasting
egory 1	effects.

#### 2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



# **Pirimiphos-Methyl Formulation**

Version 4.1	Revision Date: 28.09.2024	SDS Num 9373242-0	
Haz	ard pictograms		
Sigr	nal word	: Danger	• •
Haz	ard statements	: H315 H319 H370 H410	Causes skin irritation. Causes serious eye irritation. Causes damage to organs. Very toxic to aquatic life with long lasting effects.
Pred	cautionary statements	: <b>Preven</b> P264 P273 P280	tion: Wash skin thoroughly after handling. Avoid release to the environment. Wear protective gloves/ eye protection/ face pro- tection.
		<b>Respor</b> P308 + P337 + P391	P311 IF exposed or concerned: Call a POISON CENTER/ doctor.

Hazardous components which must be listed on the label: Pirimiphos-methyl (ISO)

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### **SECTION 3: Composition/information on ingredients**

#### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Index-No.	Classification	Concentration (% w/w)
	Registration number		
Pirimiphos-methyl (ISO)	29232-93-7 249-528-5 015-134-00-5	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 1; H370 (Central nervous system) Aquatic Acute 1; H400 Aquatic Chronic 1;	>= 20 - < 25

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



# Pirimiphos-Methyl Formulation

ersion 1	Revision Date: 28.09.2024	SDS Number: 9373242-00009	Date of last issue: 06.07.2024 Date of first issue: 27.08.2021	
			H410 M-Factor (Acute aquatic toxicity): 1,000 M-Factor (Chronic aquatic toxicity): 100	
Subst	tances with a workplace	ce exposure limit :	· · ·	
Polyv	inyl chloride	9002-86-2		>= 70 - < 90

For explanation of abbreviations see section 16.

#### **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

-	General advice	In the case of accident or if you feel unwell, seek medical ad-
		vice 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 ad- vice immediately.
		When symptoms persist or in all cases of doubt seek medical advice.
	Protection of first-aiders :	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).
	If inhaled :	If inhaled, remove to fresh air. Get medical attention.
	In case of skin contact :	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
	In case of eye contact :	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Get medical attention.
	If swallowed :	If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Get medical attention. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

# **Pirimiphos-Methyl Formulation**

Versio 4.1	n Revision Dat 28.09.2024		DS Number: 373242-00009	Date of last issue: 06.07.2024 Date of first issue: 27.08.2021	
<b>4.2 Most important symptoms an</b> Risks		otoms and :	nd effects, both acute and delayed : Causes skin irritation. Causes serious eye irritation. Causes damage to organs.		
	dication of any imr reatment	nediate me :		and special treatment needed natically and supportively.	
SECT	ION 5: Firefightin	ng measui	es		
5.1 Ex	tinguishing media				
S	uitable extinguishin	g media :	Water spray Alcohol-resista Carbon dioxide Dry chemical		
	Unsuitable extinguishing : No media		None known.		
5.2 Sp	ecial hazards aris	ing from th	e substance or	mixture	
S		-		ombustion products may be a hazard to health.	
	lazardous combusti cts	on prod- :	Carbon oxides Chlorine comp		
5.3 Ad	lvice for firefighter	S			
S	pecial protective eq or firefighters			fire, wear self-contained breathing apparatus. protective equipment.	
	pecific extinguishing ds	g meth- :	cumstances ar Use water spra	ing measures that are appropriate to local cir- nd the surrounding environment. ay to cool unopened containers. maged containers from fire area if it is safe to d	

#### **SECTION 6: Accidental release measures**

6.1 Personal precautions, protect	ive	e equipment and emergency procedures
Personal precautions	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8).
6.2 Environmental precautions		

Environmental precautions		Avoid release to the environment.
		Prevent further leakage or spillage if safe to do so.



# **Pirimiphos-Methyl Formulation**

Version 4.1	Revision Date: 28.09.2024	SDS Number: 9373242-00009	Date of last issue: 06.07.2024 Date of first issue: 27.08.2021
		If spillage enters	ose of contaminated wash water. s rivers or watercourses, inform the Environ- mergency telephone number 0800 807060).
6.3 Metho	ds and material for c	ontainment and clear	ning up
		over the area to Add excess liqu Soak up with in Clean up remain bent. Local or nationa posal of this ma employed in the mine which regu Sections 13 and	vith absorbents and place a damp covering minimise entry of the material into the air. id to allow the material to enter into solution. ert absorbent material. hing materials from spill with suitable absor- al regulations may apply to releases and dis- terial, as well as those materials and items e cleanup of releases. You will need to deter- ulations are applicable. d 15 of this SDS provide information regarding mational requirements.

#### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

#### **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

Technical measures	: See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.			
Local/Total ventilation	: Use only with adequate ventilation.			
Advice on safe handling	: Do not get on skin or clothing.			
0	Do not breathe dust, fume, gas, mist, vapours or spray. Do not swallow.			
	Do not get in eyes.			
	Wash skin thoroughly after handling.			
	Handle in accordance with good industrial hygiene and safety			
	practice, based on the results of the workplace exposure as- sessment			
	Do not eat, drink or smoke when using this product.			
	Take care to prevent spills, waste and minimize release to the environment.			
Hygiene measures	: 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 contami- nated 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.			
7.2 Conditions for safe storage, including any incompatibilities				

Requirements for storage	:	Keep in properly labelled containers. Store locked up. Store in
areas and containers		accordance with the particular national regulations.



## **Pirimiphos-Methyl Formulation**

Version 4.1	Revision Date: 28.09.2024		DS Number: 373242-00009	Date of last issue: 06.07.2024 Date of first issue: 27.08.2021
Advice	e on common storage	:	Strong oxidizing	stances and mixtures
•	<b>c end use(s)</b> ic use(s)	:	No data available	9

#### **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

#### **Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Polyvinyl chloride	9002-86-2	TWA (inhalable dust)	10 mg/m3	GB EH40
		TWA (Respirable dust)	4 mg/m3	GB EH40
Pirimiphos-methyl (ISO)	29232-93-7	TWA	60 µg/m3 (OEB 3)	Internal
	Further inform	nation: Skin		
		Wipe limit	600 µg/100 cm²	Internal

#### 8.2 Exposure controls

#### **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

Eye/face protection	:	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.
Hand protection		
Material	:	Chemical-resistant gloves
Remarks Skin and body protection	:	Consider double gloving. Work uniform or laboratory coat.



# **Pirimiphos-Methyl Formulation**

Version 4.1	Revision Date: 28.09.2024	SDS Number: 9373242-00009	Date of last issue: 06.07.2024 Date of first issue: 27.08.2021		
Pospi	iratory protection	being performe suits) to avoid e Use appropriate contaminated c	tional body garments should be used based upon the task g performed (e.g., sleevelets, apron, gauntlets, disposable ) to avoid exposed skin surfaces. appropriate degowning techniques to remove potentially aminated clothing. equate local exhaust ventilation is not available or expo-		
	ter type	sure assessme ommended guid	nt demonstrates exposures outside the rec- delines, use respiratory protection. uld conform to BS EN 143		

## **SECTION 9: Physical and chemical properties**

#### 9.1 Information on basic physical and chemical properties

Appearance Colour Odour Odour Threshold	:	solid yellow characteristic No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling	:	No data available
range Flash point	:	Not applicable
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not classified as a flammability hazard
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Relative density	:	No data available
Density	:	No data available
Solubility(ies) Water solubility Partition coefficient: n- octanol/water Auto-ignition temperature	:	insoluble No data available No data available
Decomposition temperature	:	No data available

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



# Pirimiphos-Methyl Formulation

Version 4.1	Revision Date: 28.09.2024	SDS Number: 9373242-00009	Date of last issue: 06.07.2024 Date of first issue: 27.08.2021
	osity /iscosity, kinematic osive properties	: No data availal : Not explosive	ble
Oxid	lizing properties	: The substance	or mixture is not classified as oxidizing.
• • • • • •	r <b>information</b> nmability (liquids)	: No data availal	ble
Mole	ecular weight	: No data availal	ble
Parti	cle size	: No data availal	ble
SECTIO	N 10: Stability and re	eactivity	
10.1 Rea	ctivity		

Not classified as a reactivity hazard.

#### **10.2 Chemical stability**

Stable under normal conditions.

#### 10.3 Possibility of hazardous reactions

Hazardous reactions : Can react with strong oxidizing agents.

#### 10.4 Conditions to avoid

Conditions to avoid : None known.

#### 10.5 Incompatible materials

Materials to avoid : Oxidizing agents

#### 10.6 Hazardous decomposition products

No hazardous decomposition products are known.

#### **SECTION 11: Toxicological information**

# 11.1 Information on toxicological effects Information on likely routes of : Skin contact Ingestion Eye contact Acute toxicity Not classified based on available information. Breduct:

#### Product:

Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg



# **Pirimiphos-Methyl Formulation**

Version 4.1	Revision Date: 28.09.2024		OS Number: 73242-00009	Date of last issue: 06.07.2024 Date of first issue: 27.08.2021
			Method: Calculation	on method
Acute	e dermal toxicity	:	Acute toxicity estine Method: Calculation	mate: > 2,000 mg/kg on method
Com	ponents:			
Pirim	iphos-methyl (ISO):			
Acute	e oral toxicity	:	LD50 (Rat): 1,180	) mg/kg
			LD50 (Rat): 2,400	) - 5,976 mg/kg
			LD50 (Mouse): >	575 mg/kg
			LD50 (Dog): > 1,5	500 mg/kg
Acute	e inhalation toxicity	:	LC50 (Rat): > 5.04 Exposure time: 4	
Acute	e dermal toxicity	:	LD50 (Rabbit): 2,0	000 mg/kg
			LD50 (Rat): > 4,5	92 mg/kg
-	corrosion/irritation es skin irritation.			
Com	ponents:			
<b>Pirim</b> Spec	hiphos-methyl (ISO):		Rabbit	
Resu		:	irritating	
	ous eye damage/eye irri es serious eye irritation.	itati	on	
Com	ponents:			
	iphos-methyl (ISO):			
Spec Resu		:	Rabbit Mild eye irritation	
Resp	iratory or skin sensitis	atic	on	
•••••	sensitisation lassified based on availa	able	information.	
-	<b>iratory sensitisation</b> lassified based on availa	able	information.	
Com	ponents:			

Pirimiphos-methyl (ISO):

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



/ersion 1.1	Revision Date: 28.09.2024		ssue: 06.07.2024 ssue: 27.08.2021
Exp	t Type osure routes icies ult	Maximisation Test Dermal Guinea pig Not a skin sensitizer.	
	m cell mutagenicity classified based on avai	information.	
Con	nponents:		
Piri	miphos-methyl (ISO):		
Gen	notoxicity in vitro	Test Type: Bacterial reverse m Result: equivocal	utation assay (AMES)
		Test Type: sister chromatid exc Result: positive	hange assay
Gen	notoxicity in vivo	Test Type: Micronucleus test Species: Mouse Result: negative	
		Test Type: Rodent dominant le Species: Mouse Result: negative	hal test (germ cell) (in vivo)
Not	<b>cinogenicity</b> classified based on avail <b>nponents:</b>	information.	
Piri	miphos-methyl (ISO):		
App	cies lication Route osure time ult	Rat Oral 2 Years negative	
App	cies lication Route osure time ult	Mouse Oral 80 weeks negative	
Care mer	cinogenicity - Assess- nt	Animal testing did not show any	v carcinogenic effects.
•	roductive toxicity classified based on avail	information.	
<u>Con</u>	nponents:		
Piri	miphos-methyl (ISO):		
	cts on fertility	Test Type: Two-generation rep Species: Rat Application Route: Oral	oduction toxicity study



Version 4.1	Revision Date: 28.09.2024		OS Number: 73242-00009	Date of last issue: 06.07.2024 Date of first issue: 27.08.2021
			Fertility: NOAEL: Result: No effects	15.4 mg/kg body weight s on fertility
Effe mer	ects on foetal develop- nt	:	Result: No effects	
			Result: No effects	
	<b>DT - single exposure</b> uses damage to organs.			
	nponents:			
Tar	<b>miphos-methyl (ISO):</b> get Organs essment	:	Central nervous s Causes damage	
Not	DT - repeated exposure classified based on avail nponents:	able	information.	
	miphos-methyl (ISO):			
	narks	:	Not classified due	e to inconclusive data.
Rep	eated dose toxicity			
<u>Cor</u>	nponents:			
Piri	miphos-methyl (ISO):			
NO/ LOA App Exp Targ	cies AEL AEL Vication Route osure time get Organs nptoms	:	Rat 0.5 mg/kg 2.5 mg/kg Oral 28 d Central nervous s cholinesterase in	
LÔA App Exp	ecies AEL Ilication Route osure time get Organs	:	Dog 2 mg/kg Oral 13 Weeks Central nervous s	system

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



# **Pirimiphos-Methyl Formulation**

ersion 1	Revision Date: 28.09.2024	SDS Number:Date of last issue: 06.07.20249373242-00009Date of first issue: 27.08.2021
Symp	otoms	: cholinesterase inhibition
Expos Targe Symp Rema Speci LOAE Applie Expos Targe	EL cation Route sure time et Organs otoms arks arks EL cation Route sure time et Organs	<ul> <li>Rat</li> <li>25 mg/kg</li> <li>Oral</li> <li>90 d</li> <li>Central nervous system</li> <li>cholinesterase inhibition</li> <li>No significant adverse effects were reported</li> <li>Dog</li> <li>0.5 mg/kg</li> <li>Oral</li> <li>2 yr</li> <li>Central nervous system</li> <li>cholinesterase inhibition</li> </ul>
Expo	ies EL cation Route sure time et Organs	<ul> <li>Rat</li> <li>2.1 mg/kg</li> <li>Oral</li> <li>2 yr</li> <li>Central nervous system</li> <li>cholinesterase inhibition</li> </ul>
•	ration toxicity	
	lassified based on av <b>rience with human</b> e	
-	ponents:	
Inges	,	<ul> <li>Symptoms: Nausea, Vomiting, Dizziness, confusion, Head- ache, Weakness, stomach discomfort, Blurred vision, muscl twitching</li> </ul>

### 12.1 Toxicity

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

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Ver 4.1	sion	Revision Date: 28.09.2024	-	DS Number: 73242-00009	Date of last issue: 06.07.2024 Date of first issue: 27.08.2021
				Exposure time: 72 Method: OECD T	
	M-Factor (Acute aquatic tox- icity)		:	1,000	
	Toxicity icity)	/ to fish (Chronic tox-	:	NOEC: 0.13 mg/l Exposure time: 35 Species: Pimepha Method: OECD T	ales promelas (fathead minnow)
		/ to daphnia and other invertebrates (Chron- ity)	:	Exposure time: 22	1 d n magna (Water flea)
	M-Fact toxicity	or (Chronic aquatic )	:	100	
12.2	2 Persis	tence and degradabil	ity		
	Compo	onents:			
		<b>ohos-methyl (ISO):</b> y in water	:	Hydrolysis: 50 %(	(117 d)
12.3	Bioaco	cumulative potential			
	Compo	onents:			
		<b>bhos-methyl (ISO):</b> n coefficient: n- /water	:	log Pow: 4.2	
12.4		t <b>y in soil</b> a available			
12.5	5 Result	s of PBT and vPvB as	sse	ssment	
	Produc Assess		:	to be either persis	aixture contains no components considered stent, bioaccumulative and toxic (PBT), or and very bioaccumulative (vPvB) at levels of
12.6 Other adverse effects					
	<u>Produc</u> Endocr tial	<u>et:</u> ine disrupting poten-	:	ered to have endo	ixture does not contain components consid- ocrine disrupting properties for environment REACH Article 57(f).



# **Pirimiphos-Methyl Formulation**

Version	Revision Date:	SDS Number:	Date of last issue: 06.07.2024
4.1	28.09.2024	9373242-00009	Date of first issue: 27.08.2021

#### **SECTION 13:** Disposal considerations

13.1 Waste treatment methods	
Product	<ul> <li>Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. Do not dispose of waste into sewer.</li> </ul>
Contaminated packaging	<ul> <li>Empty containers should be taken to an approved waste han- dling site for recycling or disposal.</li> <li>If not otherwise specified: Dispose of as unused product.</li> </ul>

#### **SECTION 14: Transport information**

#### 14.1 UN number

IMDG

ADN	:	UN 3077	
ADR	:	UN 3077	
RID	:	UN 3077	
IMDG	:	UN 3077	
ΙΑΤΑ	:	UN 3077	
14.2 UN proper shipping name			
ADN	:	ENVIRONMENTALL N.O.S. (Pirimiphos-methyl (I	Y HAZARDOUS SUBSTANCE, SOLID, SO))
ADR	:	ENVIRONMENTALL N.O.S. (Pirimiphos-methyl (I	Y HAZARDOUS SUBSTANCE, SOLID, SO))
RID	:	ENVIRONMENTALL N.O.S. (Pirimiphos-methyl (I	Y HAZARDOUS SUBSTANCE, SOLID, SO))
IMDG	:	ENVIRONMENTALL N.O.S. (Pirimiphos-methyl (I	Y HAZARDOUS SUBSTANCE, SOLID, SO))
ΙΑΤΑ	:	Environmentally haza (Pirimiphos-methyl (I	ardous substance, solid, n.o.s. SO))
14.3 Transport hazard class(es)			
		Class	Subsidiary risks
ADN	:	9	
ADR	:	9	
RID	:	9	

: 9

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Versi 4.1	ion	Revision Date: 28.09.2024		9S Number: 73242-00009	Date of last issue: 06.07.2024 Date of first issue: 27.08.2021
	IATA Packin	g group	:	9	
	<b>ADN</b> Packing Classifi		: : : : : : : : : : : : : : : : : : : :	III M7 90 9	
	Hazard Labels	g group cation Code Identification Number restriction code	· · · · · · · · · · · · · · · · · · ·	III M7 90 9 (-)	
		g group cation Code Identification Number	:	III M7 90 9	
	<b>IMDG</b> Packing Labels EmS Co		:	III 9 F-A, S-F	
	aircraft)	g instruction (cargo	:	956 Y956 III Miscellaneous	
	Packing ger airc	instruction (LQ)	:	956 Y956 III Miscellaneous	
14.5	Enviro	nmental hazards			
	<b>ADN</b> Environ	mentally hazardous	:	yes	
	<b>ADR</b> Environ	mentally hazardous	:	yes	
	<b>RID</b> Environ	mentally hazardous	:	yes	
	<b>IMDG</b> Marine	pollutant	:	yes	
		Passenger) mentally hazardous	:	yes	

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

## **Pirimiphos-Methyl Formulation**

Version	Revision Date:	SDS Number:	Date of last issue: 06.07.2024
4.1	28.09.2024	9373242-00009	Date of first issue: 27.08.2021

#### IATA (Cargo)

Environmentally hazardous : yes

#### 14.6 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.

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Remarks	: Not applicable for product as supplied.
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#### **SECTION 15: Regulatory information**

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

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (A	nnex 17)	:	Not applicable	
UK REACH Candidate list of sub concern (SVHC) for Authorisation	, .	:	Not applicable	
The Persistent Órganic Pollutant Regulation (EU) 2019/1021 as a	s Regulations (retained	:	Not applicable	
ain) Regulation (EC) on substances t layer	hat deplete the ozone	:	Not applicable	
UK REACH List of substances si (Annex XIV)	ubject to authorisation	:	Not applicable	
GB Export and import of hazardo Informed Consent (PIC) Regulat	ion	:	Not applicable	
Control of Major Accident Hazard	ds Regulations 2015 (CC	MA	H)	
			Quantity 1	Quantity 2
H3	STOT SPECIFIC TAR ORGAN TOXICITY – SINGLE EXPOSURE	GET	•	200 t
E1	ENVIRONMENTAL HAZARDS		100 t	200 t

#### Other regulations:

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to new and expectant mothers at work contained in Regulation 16 to 18) and of the Pregnant Workers Directive 92/85/EEC.

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

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

AICS : not d	determined
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DSL : not determined

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



# **Pirimiphos-Methyl Formulation**

Version 4.1	Revision Date: 28.09.2024	SDS Number: 9373242-00009	Date of last issue: 06.07.2024 Date of first issue: 27.08.2021		
IECS	с	: not determir	ned		
	nical safety assessn al Safety Assessment		d out.		
SECTION	16: Other information	ation			
Other	- information		Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.		
	ext of H-Statements	· Harmful if ev	vallowed		
H302 H312 H315 H319 H370 H400 H410		: Harmful in c : Causes skin : Causes seri : Causes dam : Very toxic to	<ul> <li>Harmful if swallowed.</li> <li>Harmful in contact with skin.</li> <li>Causes skin irritation.</li> <li>Causes serious eye irritation.</li> <li>Causes damage to organs.</li> <li>Very toxic to aquatic life.</li> <li>Very toxic to aquatic life with long lasting effects.</li> </ul>		
Full t	ext of other abbrevia				
Aqua Eye I Skin I STOT GB E	tic Acute tic Chronic rrit. ∣rrit. ſ SE	: Long-term ( : Eye irritation : Skin irritation : Specific targ : UK. EH40 W	acute) aquatic hazard chronic) aquatic hazard		
Wate Road ing of tion ( of the Europ assoc cy So socia borate Trans rying tional IMDO - Indu KECI tional tional NO(A	rways; ADR - Agree ; AIIC - Australian Inv Materials; bw - Body EC) No 1272/2008; C e German Institute for bean Chemicals Ager ciated with x% respon- ciated with x% respon- ciated with x% growth r ory Practice; IARC - sport Association; IBC Dangerous Chemical Civil Aviation Organi 5 - International Maritin Ustrial Safety and Hea - Korea Existing Che LD50 - Lethal Dose to Convention for the DEC - No Observed (	ment concerning th entory of Industrial weight; CLP - Clas MR - Carcinogen, I Standardisation; D cy; EC-Number - E se; ELx - Loading ra ing and New Chem ate response; GHS International Agence - International Agence - International Cod s in Bulk; IC50 - Ha zation; IECSC - Inv me Dangerous Good alth Law (Japan); IS micals Inventory; LC o 50% of a test pop Prevention of Pollur Adverse) Effect Cor	ternational Carriage of Dangerous Goods by Inland e International Carriage of Dangerous Goods by Chemicals; ASTM - American Society for the Test- sification Labelling Packaging Regulation; Regula- Mutagen or Reproductive Toxicant; DIN - Standard SL - Domestic Substances List (Canada); ECHA - uropean Community number; ECx - Concentration ate associated with x% response; EmS - Emergen- ical Substances (Japan); ErCx - Concentration as - Globally Harmonized System; GLP - Good La- y for Research on Cancer; IATA - International Air e for the Construction and Equipment of Ships car- lf maximal inhibitory concentration; ICAO - Interna- rentory of Existing Chemical Substances in China; ds; IMO - International Maritime Organization; ISHL iO - International Organisation for Standardization; 50 - Lethal Concentration to 50 % of a test popula- bulation (Median Lethal Dose); MARPOL - Interna- tion from Ships; n.o.s Not Otherwise Specified; ncentration; NO(A)EL - No Observed (Adverse) Ef- conding Rate; NZIoC - New Zealand Inventory of		

fect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of

UK REACH Regulations SI 2019/758



## Pirimiphos-Methyl Formulation

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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; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; 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

#### Further information

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

Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
STOT SE 1	H370	Calculation method
Aquatic Acute 1	H400	Calculation method
Aquatic Chronic 1	H410	Calculation method

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.

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