

### MATERIAL SAFETY DATA SHEET

Revised edition no: 5

Date: 4/12/2020

Supersedes: 19/5/2014

# **AZINPHOS 200 SC**

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

Trade name Substance name Product code Chemical formula Relevant identified uses	: Azinphos 200 SC : Azinphos-methyl : O,O-Diethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate : R-6624.DPD : Azinphos-methyl : C10H12N3O3PS2 : Insecticide
Company identification For further information, please	: ADAMA SOUTH AFRICA (PTY) LTD Ground Floor, Simeka House The Vineyards Office Estate 99 Jip de Jager Drive Bellville, 7530
contact Email address	SDS@ADAMA.COM
Emergency Telephone	+2782 446 8946 +27 86 155 5777 +27 21 982 1460

#### **SECTION 2. Hazards identification**

Classification (Directive 67/548/EEC - 1999/45/EC)	: THIS COMPOUND INHIBITS CHOLINESTERASE.
Human health hazards	: Toxic by inhalation and if swallowed . May cause sensitization by skin contact.
Environmental hazard	: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

Components : This product is considered to be hazardous and contains hazardous components. Substance name Concentration % w/w CAS

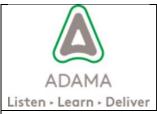
No EC No Index No REACH Reg. Classification

### SECTION 5. Fire-fighting measures

Suitable extinguishing media

: For small fire : dry chemical , carbon dioxide . For large fire : water spray , alcohol resistant foam .

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	AZINPHOS 200 SC	
Specific hazards hydrogen chloride , sulf	: Thermal decomposition may generate : carbon dioxide , carb Ifur oxide , phosphorus oxides .	bon monoxide, nitrogen oxides
Protection against fire Special procedures	: Wear proper protective equipment. Self-contained breathing : Fight fires from a protected location . Dike fire control wat container cool by spraying with water .	
CTION 6. Accidental re	elease measures	
For emergency respond	ders : Use appropriate protection (see section 8).	
Environmental precaution	ions : Dispose of this material and its container at hazardous or sp Dispose in a safe manner in accordance with local/national contaminated surface water, inform the appropriate authoriti	regulations. If the product has
	have to be dug out.	
Clean up methods	<ul> <li>have to be dug out.</li> <li>In the event of minor spillage: Absorb in sand or other inert in container to avoid environmental contamination.</li> <li>In the event of major spillage: Collect and contain as much using absorbent or impervious materials such as sand or classical statements.</li> </ul>	free liquid as possible. Dike spil
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### **SECTION 9.** Physical and chemical properties

Physical state at 20 °C	: Liquid
Colour	: Brownish
Odour	: characteristic
pH value	: 6 - 7.5
Melting point [°C]	: Azinphos-methyl : 72 - 74 (Pure)
Flash point [°C]	: > 93
Vapour pressure [20°C]	: Azinphos-methyl : 0.18 mPa (20°C - Pure)
Specific gravity	: 1.09-1.10
Solubility in water	: Dispersible
Explosion limits	: May be explosive after prolonged heating above $75^{\rm o}{\rm C}$ .

### SECTION 10. Stability and reactivity

Chemical stability	: Stable under normal conditions.
Hazardous decomposition products	: Thermal decomposition may generate : carbon monoxide , carbon dioxide , nitrogen oxides , sulfur oxide , phosphorus oxides , hydrogen chloride .
Hazardous polymerization	: Will not occur.
Conditions to avoid	: Protect from sunlight and excessive heat . Avoid temperatures above $:$ 40 $^{\circ}\text{C}$ .

### **SECTION 11.** Toxicological information

- Rat oral LD50 [mg/kg] - Dermal, Rat LD50 [mg/kg]	: 88 : > 2000
- Rat inhalation LC50 [mg/l/4h]	: >1.26 (M), 0.52 (F)
Dermal irritation (rabbit)	: Slight irritant
Eyes irritation (rabbit)	: Mildly irritating
Sensitization	: Guinea pig maximization test: sensitizer
Mutagenicity	: Azinphos-methyl : Not mutagenic
Carcinogenicity	: Azinphos-methyl : Not carcinogenic
Toxic for reproduction : Fertility	: Azinphos-methyl : Not teratogenic in animal experiments



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### SECTION 12. Ecological information

96 H-LC50 - Rainbow trout [mg/l]	: 0.0076
48 H-LC50-Daphnia magna [mg/l]	: 0.0048
72 H-EbC50 - Algae [mg/l]	: 1.9
72 H-ErC50 - Algae [mg/l]	: 3.4

#### **SECTION 13.** Disposal considerations

General	: Dispose in a safe manner in accordance with local/national regulations.
SECTION 14. Transport information	1
UN N°	: 3018
Proper shipping name	: ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC (200 g/I AZINPHOS-METHYL)
- H.I. no	: 60
- IMO-IMDG - class or division	: 6.1
- Packing group	: 10

- IMDG-Marine pollution : Marine pollutant - Polluant marin

#### **SECTION 15.** Regulatory information

**EU Classification** 

Symbol(s)

: This product is provisionally labelled by the supplier in accordance with the suppliers understanding of the EU regulations :



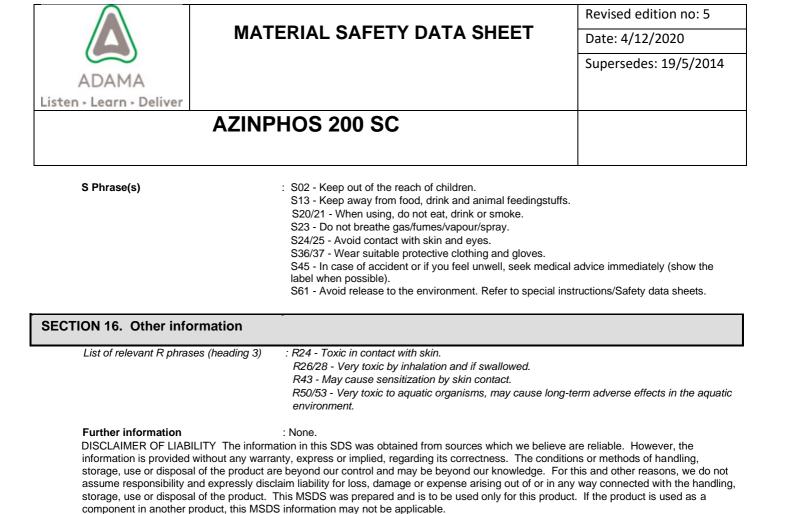
: T: T : Toxic

R Phrase(s)

N: N : Dangerous for the environment. : R23/25 - Toxic by inhalation and if swallowed.

R43 - May cause sensitization by skin contact.

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



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