

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

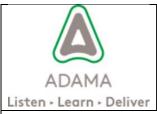
No EC No Index No REACH Reg. Classification

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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en • Learn • Deliver		
	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	 have to be dug out. In the event of minor spillage: Absorb in sand or other inert in container to avoid environmental contamination. In the event of major spillage: Collect and contain as much using absorbent or impervious materials such as sand or classical statements. 	free liquid as possible. Dike spil
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SECTION 9. Physical and chemical properties

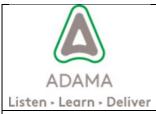
Physical state at 20 °C	: Liquid
Colour	: Brownish
Odour	: characteristic
pH value	: 6 - 7.5
Melting point [°C]	: Azinphos-methyl : 72 - 74 (Pure)
Flash point [°C]	: > 93
Vapour pressure [20°C]	: Azinphos-methyl : 0.18 mPa (20°C - Pure)
Specific gravity	: 1.09-1.10
Solubility in water	: Dispersible
Explosion 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 :



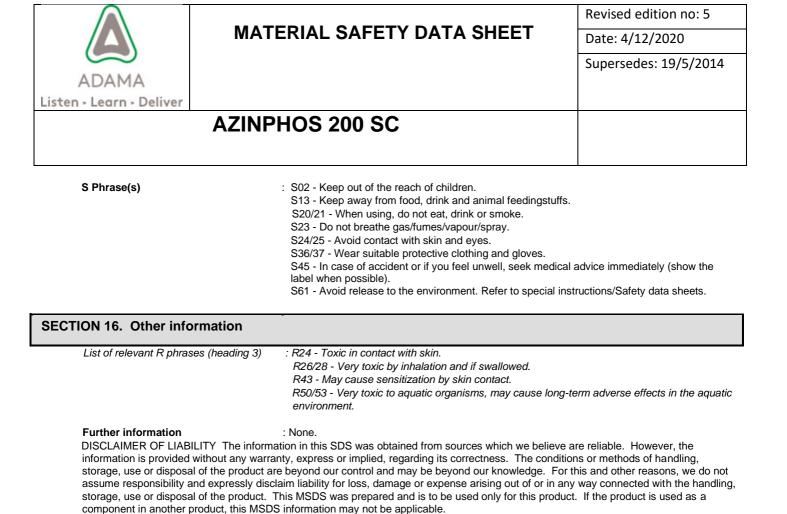
: T: T : Toxic

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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