

SAFETY DATA SHEET

This Safety Data Sheet was created pursuant to the requirements of:
The Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

AZINPHOS 200 SC

Revision date: 2-June 2022

Version: 6

Supersedes Date:

4-December-2020

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1. Product and Company Identification

Identification of the product/preparation

Product Name	AZINPHOS 200 SC
Trade Name/Synonyms	Guthion
Registration Number	L5588
Product Description and Formulation Type	A suspension concentrate contact and stomach insecticide.

Active Ingredient

Azinphos-methyl

Formula	$C_{10}H_{16}N_3O_3PS_2$
CAS Number	86-50-0

Supplier, Manufacturer, and/or Importer

Supplier

Company Name	ADAMA SOUTH AFRICA (PTY) LTD
Address	Ground Floor, Simeka House The Vineyards Office Estate 99 Jip de Jager Drive Belville 7530
Phone Number	+27 21 982 1460
Web-Address	www.adama.com

Emergency Phone Numbers

Nature of Emergency	Emergency Operator	Telephone Number
24 Hour Poisoning Emergency Helplines – National Advisory Bodies	Griffon Poison Information Centre	+27(0)82 446 8946
	Tygerberg Poison Information Centre:	+27(0)861 155 5777
Spill Response and Transport Incidents	SPILL TECH®	+27(0)86 100 0366 +27 (0)83 253 6618
Product Properties and Hazards	ADAMA South Africa (Pty) Ltd	+27(0)21 982 1460

Relevant identified uses of the product and uses advised against

AZINPHOS 200 SC is a synthetic organophosphate broad spectrum insecticide. It is non-systemic and is used primarily for foliar application against leaf feeding insects. The product should not be used for any other purpose or in any other manner contrary to the information supplied on the product label.

2. Hazard(s) Identification

Classification of the substance or mixture

According to the criteria in South Africa - GHS classification and labelling of chemicals – SANS10234 and the Regulations for Hazardous Chemical Agents – 2021.

GHS Classification:

Hazard Class	Category	Hazard Statement Number
Acute Toxicity, Oral	3	H301
Acute Toxicity, Dermal	4	H312
Skin Sensitization	1	H317
Acute Toxicity, Inhalation	2	H330
Aquatic Toxicity, Acute	1	H400
Aquatic Toxicity, Chronic	1	H410

Label Elements

Pictograms:



Signal Word:

Danger

Hazard Statements:

Statement Number	Hazard Statement
H301	Toxic if swallowed.
H312	Harmful in contact with skin
H317	May cause allergic skin reaction.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

General -

Statement Number	Precautionary Statement
P101	If medical advice is needed, have product label or container at hand.
P102	Keep out of reach of children.
P103	Read label carefully and follow all instructions.

Prevention -

Statement Number	Precautionary Statement
P260	Do not breathe fumes/ mist/ vapours or spray.
P264	Wash hands and face thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves, protective clothing, and eye and face protection.
P284	Wear respiratory protection.

Response –

Statement Number	Precautionary Statement
P316	Get emergency medical help immediately.
P320	Specific treatment is urgent – see the information on the label and Section 4 of this SDS.
P330	Rinse mouth.
P391	Collect spillage.
P301 + P316	IF SWALLOWED: Get emergency medical help immediately.
P302 + +352	IF ON SKIN: Wash with plenty of water under the safety shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P333 + P317	If skin irritation or rash occurs: Get medical help.
P362 + P364	Take off contaminated clothing and wash it before reuse.

Storage –

Statement Number	Precautionary Statement
P405	Store locked up.
P403 + P233	Store in a well-ventilated place. Keep containers tightly closed.

Disposal -

Statement Number	Precautionary Statement
P501	Dispose of contents/container to a licensed waste facility and in accordance with local and national regulatory requirements.

Other Hazards

Could emit irritating or toxic fumes (or gases) in a fire.

3. Composition/Information on Ingredients

Mixture

Common Name:	AZINPHOS 200 SC
IUPAC/Chemical Name-Active ingredient:	3-(dimethoxyphosphinothioylsulfanylmethyl)-1,2,3-benzotriazin-4-one
Chemical Family:	Thiophosphate - benzotriazine
Formulation:	Azinphos-methyl 200g/L – Suspension concentrate

Ingredients with Hazard Concerns (GHS)

According to UN GHS criteria (9th Edition of the Purple Book).

Hazardous Component – Chemical Name	CAS Number	Weight - %	International GHS Classification
Azinphos-methyl (94%)	86-50-0	18%	Acute Toxicity, Oral, Category 2. Acute Toxicity, Inhalation, Category 2. Acute Toxicity Dermal, Category 3. Skin Sensitization, Category 1. Aquatic Toxicity, Acute, Category 1. Aquatic Toxicity, Chronic, Category 1. M-Factor - Aquatic Acute: 10. M-Factor - Aquatic Chronic: 100.

NOTE: The other ingredients do not cause or contribute toward the correct GHS classification of AZINPHOS 200 SC and are therefore, in terms of the South African Regulations for Hazardous Chemical Agents - 2021; Regulation 14(b), not listed in the table above.

4. First-Aid Measures

Description of First-aid Measures

General Advice

Provide this SDS to medical personnel for treatment. Emergency personnel should wear protective clothing appropriate to the type and degree of contamination.

Remove contaminated clothing and move the affected person away from the contamination area. Keep the person warm, calm, and comfortable. First Aid personnel should pay attention to their own safety.

Eye Contact

Immediately rinse/flush the eyes gently with water from the eye wash fountain for several minutes (at least 15 minutes), while holding the eyelids apart. Check for and remove contact lenses if easy to do so. Continue rinsing. Obtain medical attention if irritation occurs and persists.

Skin Contact

Remove all contaminated clothing and shoes. Rinse the skin with plenty of water for 15 to 20 minutes under the safety shower. Wash contaminated clothing before re-use. Obtain medical attention.

Inhalation	Remove the affected victim from exposure to an area with fresh air. Keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Immediately obtain medical attention.
Ingestion	Obtain immediate medical attention or call a poison control centre for treatment advice. If conscious, rinse mouth thoroughly with water. Never give anything by mouth to an unconscious or convulsing person. Do not induce vomiting unless directed to do so by a medical professional. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomits.
Emergency Responders	Use Personal Protective equipment as required.

Most important symptoms/effects, acute and delayed

Inhalation symptoms: Pupillary constriction, headache, muscle cramp, excessive salivation, sweating, nausea, dizziness, wheezing, laboured breathing, convulsions, and unconsciousness.

Ingestion may result in systemic poisoning. Symptoms include abdominal cramps, vomiting, and diarrhoea.

Eye symptoms: Blurred vision.

Dermal contact: May be absorbed.

The heart rate may decrease following oral exposure or increase following dermal exposure.

Indication of any immediate medical attention and special treatment needed

Notes to physician:

Antidote 1: Atropine sulphate.

Antidote 2: Obidoxime chloride or Pralidoxime (PAM).

Suggest serum and/or RBC cholinesterase determination.

Do not give morphine.

If ingested perform gastric lavage and administer activated charcoal.

5. Fire-Fighting Measures

Suitable (and unsuitable) extinguishing media

For small fires use dry chemical or carbon dioxide. For large fires use water spray, water fog or alcohol resistant foam. Contain fire control water for later disposal. NOTE: Use water in flooding quantities as fog. Solid streams of water may be ineffective

Do not use high volume water jets due to potential contamination.

Specific hazards arising from the chemical including thermal decomposition products

Fires involving the product may produce irritating or poisonous vapours: carbon dioxide, carbon monoxide, nitrogen oxides (NO_x), sulphur oxides, and oxides of phosphorus

Special protective equipment and precautions for fire-fighters

Firefighters must wear emergency equipment including positive pressure self-contained breathing apparatus with a full-face mask. Remove unaffected containers from fire area if possible.

Additional provisions

Stay at maximum distance. Act in accordance with the site's Internal Emergency Plan and the Workplace Specific Procedures for actions to be taken after an accident or other emergencies.

Keep container cool by spraying with water.

6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures	As an immediate precautionary measure, isolate spill, or leak area in all directions for at least 10 meters for liquids. Do not breathe in fumes/vapour/spray and avoid contact with eyes, skin and clothes. Do not touch or walk through spilled material as it could be slippery when spilt. Contain spills if it can be done without risk and clean-up immediately. Wear appropriate protective clothing recommended in Section 8 of the SDS.
Environmental precautions	Prevent spillage or further leakage if safe to do so. Do not allow the spilt product to enter water courses and drains and avoid contact with soil. Do not allow the spilt product to spread to other areas - keep the spilt material contained and isolated. Report spills and releases as required to appropriate authorities if the spilt product has caused environmental pollution (sewers, water ways, soil, or air). Contaminated soil layers must be dug out and disposed of as hazardous waste.
Methods for cleaning up	For small spills , sweep up with damp absorbent material. Place into a labelled waste container with a shovel and cover for subsequent disposal. Dispose of collected spilt material as hazardous waste. Clean the contaminated surface with water to remove any residues of the spilt product. Keep the wash water out of drains, sewers and waterways. For large spills , do not wash away into sewers. Contain and collect spilt product in suitable containers for proper disposal.
Reference to other SDS sections	See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

7. Handling and Storage

Precautions for safe handling	Always provide good ventilation in the work area. Prevent contact with eyes, skin, and clothing. Do not breathe in vapours. Wear protective clothing and equipment during handling as described in Section 8 of the SDS. Do not eat or drink during use. Wash the hands and face thoroughly with soap after handling. Keep containers closed when not in use. Do not permit smoking in use or storage areas. Locate emergency showers and eye-rinsing facility near the work/handling area. Maintain good normal industrial hygiene and housekeeping practices in areas where the product is used/handled. Remove contaminated clothing immediately if the product gets inside. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of work area and work clothing is recommended. Keep unprotected persons away from the area where the product is being
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applied.

Conditions for safe storage, including any incompatibilities

The entrance to storage facilities should be granted only to appropriately trained personnel. Always store locked up. Keep containers tightly closed when not in use and keep product only in the original container. Check storage containers regularly for leaks.

The formulation is stable if stored well ventilated, out of direct sunlight, cool and free of moisture and high humidity. Avoid temperatures above 40°C. Keep out of reach of children, uninformed persons, and animals. Protect containers from physical damage. Do not contaminate water, food, or feed by storage or disposal. Avoid cross contamination with other agricultural products. Store away from incompatible materials like strong oxidising agents. It is recommended to have appropriate spill control kits equipped with absorbent material near storage areas (see Section 6). Store in accordance with national and local regulations.

Packing

Fluorinated or coextruded polyethylene containers.
Resin-lined metal drums.

8. Exposure Controls and Personal Protection

Components with workplace control parameters – National Occupational Exposure Limits

An occupational exposure limit has been established for the active ingredient, Azinphos-methyl, in South Africa.

Component	Type	Control Parameter	Update	Basis
Azinphos-methyl	OEL- eight - hour TWA (Inhalable fraction and vapour)	0.4 mg/m ³	2021	South African RELs*

*REL: Recommended Exposure Limit.

OEL- eight-hour TWA: Occupational Exposure Limit – Time Weighted Average. Calculated over an eight-hour working day, for a five-day working week.

OEL-STEL/C: Occupational exposure limit – short-term exposure limit, ceiling limit

Appropriate engineering controls

Ventilation required. Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower. Use with local exhaust ventilation to maintain airborne concentrations and exposure as low as possible and within the legislated exposure limits.

Personal Protective Equipment

Respiratory protection:	During spraying and handling, an approved respirator (full face mask) with a particulate filter and an organic vapour cartridge or supplied air respirator should be used. Institute a respiratory protection program that includes the selection, fit testing, training, maintenance, and inspection of the respiratory equipment. Consult with respirator manufacturer to determine respirator selection, use and limitations. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.
Skin and hand protection:	Select skin and hand protection based on the task being performed and the risks involved with the task. Impervious chemical resistant gloves recommended for hand protection (e.g., butyl rubber, nitrile rubber, etc.). The gloves should be replaced immediately in case of damage or signs of wear. Prevent skin contact and contamination of personal clothing by wearing impervious work coveralls, shoes and socks as required.
Eye/face protection:	Safety eyewear compliant with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, or vapour. Safety goggles together with a face shield is recommended to prevent contact with eyes and face from liquid and spray.
General safety and hygiene measures:	The measures appropriate for a particular worksite depend on how this product is used and on the extent of exposure. Ensure that control systems are properly designed and maintained. Handle the product in accordance with good industrial hygiene and safety practice. An eye wash fountain and safety showers should be available and easily accessible. Keep the product away from food, drink, and animal feeding stuffs. Wash the hands and/or face before breaks, eating, smoking, or using the lavatory and at the end of the shift/working period.
Environmental exposure controls	In accordance with the local legislation for the protection of the environment, it is recommended to avoid environmental spillage or releases of both the product and its container.

9. Physical and Chemical Properties

Unless otherwise stated, the data is applicable to the formulated product.

Physical or Chemical Property	Value	Test Method or Remarks
Appearance	Appearance/physical state	Liquid
	Odour characteristics	Characteristic odour
	Colour	Brownish
Volatility	Boiling point (°C)	Not determined

	Vapour pressure (mPa) at 20°C	0.18	Pure Azinphos-methyl
	Evaporation Rate at 20 °C	Not determined	
	Solubility in water (mg/L at 20 °C)	Dispersible	
	Decomposition temperature (°C)	Not determined	
	Melting point (°C)	72 - 74	Pure Azinphos-methyl
Product Descriptors	pH	6 – 7.5	
	Density (g/cm ³) at 20°C	Not determined	
	Bulk Density/relative density (g/L)	Not applicable	
	Specific Gravity	1.09 -1.10	
	Log P octanol / water at 20°C	Not determined	
	Flammable (Y/N)	Not flammable	
	Flash point (°C)	>93	
Flammability	Flammable limits-LEL	Not determined	
	Flammability limits -UEL	Not determined	
	Auto-ignition Temperature (°C)	Not determined	

Other Hazard Information

None known.

10. Stability and Reactivity

Reactivity	The product is not reactive under normal ambient and anticipated storage and handling conditions of temperature and pressure. Decomposes at elevated temperatures.
Chemical Stability	Hazardous polymerization will not occur. Stable under normal ambient conditions of use, storage, and transport.
Possibility of Hazardous Reactions	None known under conditions of normal use.
Hazardous Decomposition Products	Does not decompose when used for intended uses. Can decompose under fire or during burning and at high temperatures releasing corrosive fumes or toxic oxides of nitrogen, carbon, sulphur, and phosphorous.

Conditions to Avoid

Shock and Friction	Contact with Air	Heat and Ignition Sources	Sunlight	Humidity or Moisture Conditions
Not applicable	Avoid storage without ventilation	Avoid exposing to excessive heat (>40°C)	Do not store in direct sunlight	Avoid moisture conditions during storage

Incompatible Materials

Incompatible with:

Strong Acids	Water	Combustive Materials	Strong Alkalis	Other Incompatible Substances
Yes	Not applicable	Not applicable	None known	Strong oxidizing agents

11. Toxicological Information

Information on likely routes of exposure

The product may be absorbed into the body by inhalation of vapour or spray and/or by ingestion. The product may come into contact with the skin or eyes.

Information on toxicological effects

The product is toxic if swallowed, fatal if inhaled, harmful in contact with skin and may cause allergic skin reaction.

Acute toxicity:

Product Information	Fatal	Toxic	Harmful	May be Harmful	Not classified
Ingestion - Oral		√			
Dermal/Skin Contact			√		
Inhalation	√				

Assessment of acute toxicity:

Experimental test data is not available for the product. Assessment of acute toxicity is based on the active ingredient using calculation.

Product/ingredient Name	Dose Acute -	Species	Test Result
AZINPHOS 200 SC	66 mg/kg	Rat	ATE _(MIX) Oral
AZINPHOS 200 SC	1 381 mg/kg	Rat	ATE _(MIX) Dermal

AZINPHOS 200 SC

0.28 mg/L

Rat (4h)

ATE_(MIX) Inhalation
(Dust/Mist)

Irritation – Dermal/Skin and Eyes:

Assessment of irritation effects (skin/eyes):

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

Respiratory/Skin Sensitization:

Assessment of sensitization:

Based on available data, the classification criteria are met for skin sensitization.

Azinphos-methyl: Sensitization possible through skin contact.

Germ cell mutagenicity:

Assessment of mutagenicity:

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

Carcinogenicity:

Assessment of carcinogenicity:

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

Not classifiable as a human carcinogen. IARC: The active ingredient is not listed.

Reproductive and developmental toxicity:

Assessment of reproduction toxicity:

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

Specific target organ toxicity (single exposure):

Assessment of STOT (single):

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

Repeated dose toxicity and Specific target organ toxicity (repeated exposure):

Assessment of repeated dose toxicity:

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

Aspiration hazard:

Assessment of repeated dose toxicity:

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

Skin/Respiratory Sensitization:

Assessment of skin sensitization:

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

**Symptoms related to the physical, chemical,
and toxicological characteristics**

See Section 4.

**Delayed and immediate effects as well as
chronic effects from short and long-term
exposure**

The product contains Azinphos-methyl, a potent cholinesterase inhibitor. Effects may be delayed up to 12 hours. Caution is advised.

NOTE: Evaporation at 20°C is negligible. A harmful concentration of airborne particles can, however, be reached quickly on spraying.

12. Ecological Information

Ecotoxicity

No eco-toxicological data is available for the formulated product. This ecological assessment is based on data available for the active ingredient of the product. Azinphos-methyl is very toxic to aquatic life with long lasting effects.

The information below refers to Triadimenol

Species and Genus	Exposure (hours/days)	Result in fresh water
Crustacea (Daphnia magna)	48h	Acute EC ₅₀ : 0.0048 mg/L (Supplier SDS)
Fish (Oncorhynchus mykiss)	96h	Acute LC ₅₀ : 0.003 mg/L (US Hazardous Substances Data Bank)

Toxicity to Other Species

Azinphos-methyl is toxic to honeybees and other beneficial insects. It will cause severe bee losses if used when bees are present at treatment time or within a day thereafter. It is slightly to moderately toxic to birds.

Other Environmental and Adverse Effects:

Environmental effect	Environmental Effect Applicable to Ingredient	Description
Persistence and degradability:	Azinphos-methyl	Half-lives of 5.3 to 40 days have been reported in soil under field conditions. Hydrolysis half-life for Azinphos-methyl in water at pH 8.6 was 36.4.
Bioaccumulative potential:	Azinphos-methyl	An estimated BCF of 30 suggests the potential for bioconcentration in aquatic organisms is moderate.
Mobility in soil:	Azinphos-methyl	If released to soil, Azinphos-methyl is expected to have moderate to slight mobility based upon a K _{oc} range of 298 to 4644. Volatilization from moist soil surfaces is not expected to be an important fate process. If released into water, Azinphos-methyl is expected to adsorb to suspended solids and sediment.
Other adverse effects:	Azinphos-methyl	Azinphos-methyl causes adverse effects in wildlife.

13. Disposal Considerations

Waste handling and disposal

Avoid and minimize the generation of waste. Dispose product related waste in accordance with all local regulations and prevent the contamination of water, food, or feed by storage or disposal of the waste. Do not use empty containers for any other purpose. The product or empty containers must not be disposed of as part of general waste. Special help is available for the disposal of Agricultural Chemicals. The product label will supply general advice regarding disposal of small quantities, and how to cleanse containers.





General container handling

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Empty containers and offer for recycling if an available option. Recondition if appropriate, or puncture and dispose of in a hazardous waste landfill, or by other procedures approved by the local authorities. Contaminated packaging: Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the product.

Additional special precautions

The product and its container must always be disposed of in a safe manner. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

14. Transport Information

	Land Transport (ADR/RID)	Inland Waterways (AND/ADNR)	See Transport (IMDG)	Air Transport (ICAO-TI/IATA-DGR)
UN Number	3018	3018	3018	3018
UN Proper Shipping Name	Organophosphorus pesticides, Liquid, Toxic, (200 g/l Azinphos-methyl)	Organophosphorus pesticides, Liquid, Toxic, (200 g/l Azinphos-methyl)	Organophosphorus pesticides, Liquid, Toxic, (200 g/l Azinphos-methyl)	Organophosphorus pesticides, Liquid, Toxic, (200 g/l Azinphos-methyl)
Transport Hazard Class	6.1	6.1	6.1	6.1
Transport Hazard Class Pictogram				

Transport Subsidiary Class	9	9	9	9
Packaging Group	III	III	III	III
Environmental Hazard	Yes	Yes	Yes	Yes
Special Precautions for User	-	-	Marine pollutant	-

15. Regulatory Information

Safety, health, and environmental regulations specific for the product in question

Symbol

T - Toxic.

N - Dangerous for the Environment.

R- Phrase Number

R21

R25

R26

R43

R50/53

R Phrase

Harmful by contact with skin.

Toxic if swallowed.

Very toxic by inhalation.

May cause sensitization by skin contact.

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

No known specific country national and/or local regulations applicable to the product (including its ingredients). A summary of country specific general laws/regulations are supplied below.

Country Specific Registration Requirements

COUNTRY

South Africa

LEGAL REFERENCE

Fertilizer, Farm Feeds,
Agricultural Remedies and Stock
Remedies Act, 1947 (Act 36 of
1947)

ASPECTS COVERED

Registration to manufacture or sell an agricultural
remedy.

Country Specific Pesticide Handling and Storage Safety

COUNTRY

South Africa

LEGAL REFERENCE

SANS10206: 2020.

ASPECTS COVERED

The Handling, Storage and Disposal of Pesticides.

Country Specific Safety Data Sheet and Occupational Exposure Limit Requirements

COUNTRY	LEGAL REFERENCE	ASPECTS COVERED
South Africa	Regulations for Hazardous Chemical Agents – 2021 – SA Occupational Health and Safety Act. SANS11014:2010.	Handling, labelling and Safety Data Sheets for hazardous and GHS classified substances and mixtures. Occupational Exposure Limits. Safety Data Sheet for Chemical Products – Content and Order of Sections.

Country Specific control of handling of poisonous/hazardous and non-poisonous/non-hazardous substances/chemicals in industry and the workplace

COUNTRY	LEGAL REFERENCE	ASPECTS COVERED
South Africa	Hazardous Substances Act, 1973 (Act No.15 of 1973). Occupational Health and Safety Act No. 85 of 1993.	Requirements on the prohibition and control of the importation, manufacture, sale, use, operation, application, modification, disposal or dumping of hazardous substances . Occupational Health and Safety Standards for employers and users working with and around hazardous chemical substances.

16. Other Information

Key to Abbreviations

AND	European Provisions concerning the International Carriage of Dangerous Goods by inland Waterways
ADR	The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
CAS Number	Chemical Abstracts Service Number
COD	Chemical Oxygen Demand
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
IATA	International Air Transport Association
ICAO	International Civil Aviation Organisation
IMDG	International Maritime Dangerous Goods
Log _{Pow}	Logarithm of the octanol/water partition coefficient
LD ₅₀	Lethal Dose 50
LC ₅₀	Lethal Concentration 50
RID	The Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STOT	Specific Target Organ Toxicity
TWA	Time Weighted Average
UN	United Nations

Document Control

Date of preparation of the SDS	19 May 2014
Revision date	2 June 2022
Revision Note	Changes made to the last version are labelled with the sign ***. NOTE: This revision incorporates the GHS requirements for AZINPHOS 200 SC and therefore the total content of the SDS has been revised.

The Globally Harmonized System of Classification and Labelling of Chemicals (GHS) Classification of the Mixture - Classification Procedure

H Statement Number	H Statement	Classification Basis: Test Data/Calculation Method
H301	Toxic if swallowed.	Active ingredient animal studies data and calculation.
H312	Harmful in contact with skin	Active ingredient animal studies data and calculation.
H317	May cause allergic skin reaction.	Active ingredient animal studies.
H330	Fatal if inhaled.	Active ingredient animal studies data and calculation.
H410	Very toxic to aquatic life with long lasting effects.	Active ingredient aquatic organism studies and calculation.

Disclaimer

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 given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet