

According to UN GHS 8th Ed Revision Date: 05/06/2022

First print date: 01/09/2019

Version: 1.1

SECTION 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING

Product identifier:

Identification as on the label/Trade name: Fenamiphos

Common name: Fenamiphos 400g/L EC

Relevant identification uses of the substance and uses advised against:

Identified uses: Insecticide

Uses advised against: Use only as directed.

Details of the supplier of the Safety Data Sheet:

Enviro Bio-Chem (Pty) Ltd, 44 Kerk Street, Lichtenburg, North West, South Africa, 2740

Details of the Registration Holder:

Erintrade cc t/a RT Chemicals (Pty) Ltd, 44 Kerk Street,

Lichtenburg, North West, South Africa, 2740

Contact Details:

Telephone: +27 87 231 7261

Fax: 086 541 7948

Website: www.envirobiochem.co.za

Emergency telephone numbers:

24 Hour Emergency Number: Bateleur: +27 83 123 3911

Griffon Poison Information Centre: +27 82 446 8946

Poisons Information Helpline: 0861 555 777 Tygerberg Hospital: +27 21 931 6129

SECTION 2. HAZARD IDENTIFICATION

Classification of the substances or mixture

The mixture is classified according to SANS 10234:2019, Regulation EC 1272/2008 [EU-GHS/CLP]

1411011 26 127 27 2000 [20 6115, 621]
Hazard statement
H226
H300
H304
H310
H330
H315
H318
H335
H336
H373
H400
H410

For full text of H statements see section 16

The most important adverse effects

The most important adverse physiochemical effects: Flammable liquid and vapour.

The most important adverse human health effects: Harmful if inhaled. Causes serious eye damage, skin irritation and may cause an allergic skin reaction.



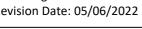
First print date: 01/09/2019

Version: 1.1

Safety Data Sheet (SDS) Fenamiphos According to UN GHS 8th Ed

Revision Date: 05/06/2022

Label elements













Hazard pictograms Signal Word: Danger

Hazard Statements:

H226	Flammable liquid and vapour
H300	Fatal if swallowed
H304	May be fatal if swallowed and enters airways
H310	Fatal in contact with skin
H315	Causes skin irritation
H318	Causes serious eye damage
H330	Fatal if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

Precautionary Statements:

recautionary statemen	••••
P102	Keep out of reach of children
P103	Read label before use
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources.
P233	Keep container tightly closed
P260	Do not breathe dust/fumes/gas/mist/vapours/spray.
P262	Do not get in eyes, on skin, or on clothing.
P264	Wash face, hands, and any exposed skin thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	Wear respiratory protection.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362	Take off contaminated clothing.
P391	Collect spillage
P403+P235	Store in a well-ventilated place. Keep cool.



According to UN GHS 8th Ed Revision Date: 05/06/2022

First print date: 01/09/2019

Version: 1.1

P405	Store locked up
P501	Dispose of contents/container in accordance with local/regional/ national regulations

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

Ingredients:

(U.D.A.O.)	CAS Number.	Concentration %	Classification
Substance name (IUPAC)		by weight	EC1272/2008
Fenamiphos	22224-92-6	42 %	Acute Toxicity -Oral (Category 2) H330
			Acute Toxicity -Dermal (Category 2) H310
			Acute Toxicity -Inhalation (Category 2) H330
			Eye irritation (Category 2) H319
			Aquatic Acute (Category 1) H400
			Aquatic Chronic (Category 1) H410
Dimethyl Benzene	1330-20-7	<40%	Flammable Liquid (Category 3) H226
			Acute Toxicity Dermal (Category 4) H312
			Acute Toxicity Inhalation (Category 4) H332
			Skin Irritation (Category 2) H315
			Eye irritation (Category 2) H319
			STOT SE (Category 3) H335
			STOT RE (Category 2) H373
			Asp Tox (Category 1) H304
			STOT SE (Category 3) H336
			Aquatic Chronic (Category 3) H412
Calcium dodecyl benzene	26264-06-2	<10%	Acute Toxicity Oral (Category 4) H302
sulphonate			Skin Irritation (Category 2) H315
			Eye Irritation (Category 2) H319
			Aquatic Chronic (Category 4) H413
Other ingredients (non-hazardous)			
to 100%			

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8

SECTION 4. FIRST AID MEASURES

Description of first aid measures:

In case of inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if you feel unwell.

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. Wash clothing before reuse. Thoroughly clean shoes before reuse. Seek medical attention immediately.

In case of eye contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

In case of ingestion: Immediately transfer patient to nearest hospital or medical centre, warning by telephone of the estimated arrival time so that the start of treatment is not delayed. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a



First print date: 01/09/2019

Version: 1.1

Safety Data Sheet (SDS) Fenamiphos

According to UN GHS 8th Ed Revision Date: 05/06/2022

collar, tie, belt, or waistband.

Most important symptoms and effects, both acute and delayed:

Inhalation: Highly toxic by inhalation.

Ingestions: Highly toxic by ingestion. If aspirated, chemical pneumonitis may develop. Contains a solvent.

Skin contact: Highly toxic and a severe irritant.

Eye contact: Causes severe eye damage.

Symptoms of exposure to the product: nausea, headache, tiredness, giddiness, faintness, fatigue, and tightness of the chest, anxiety, blurred vision, pupillary constriction and muscle twitching. If swallowed and aspirated into the lungs, chemical pneumonia can occur. Depending on severity of poisoning these symptoms become worse with the onset of vomiting, abdominal pain, diarrhea, sweating and salivation. Confusion, ataxia, slurred speech, loss of reflexes are some of the central nervous system effects that may occur.

Indication of any immediate medical attention and special treatment needed:

Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

Extinguisher media:

Suitable extinguisher media: Foam. Dry powder. Carbon dioxide. Water spray.

Small Fire: Extinguish small fires with carbon dioxide, dry powder, or alcohol-resistant foam.

Large Fire: Water spray can be used for larger fires or cooling of unaffected stock but avoid the accumulation of polluted run-off from the site.

Unsuitable extinguishing media: Do not use high volume water jet, due to contamination risk.

Special hazards arising from the mixture:

Fire Hazard: Flammable

Hazardous decomposition products in case of fire: Refer to Section 10: Stability and Reactivity.

Advice for fire-fighters:

Avoid inhaling hazardous vapours. Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. Use an approved/certified respirator or equivalent.

Contain fire control agents for later disposal according to Section 13.

Water can be used to cool unaffected containers.

SECTION 6. ACCIDENTAL RELEASE

Personal precautions, protective equipment, and emergency procedures:

For non-emergency personnel: Keep all personnel away may be toxic by contact and inhalation. Avoid contact with eyes and skin.

For emergency responders: Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. Use an approved/certified respirator or equivalent Avoid contact with eyes and skin. Do not breathe in fumes. Refer to section 8 for recommended personal protective equipment. Evacuate unnecessary personnel.

Environmental precautions:

Stop leak if without risk. Do not touch spilled material. Use a light water spray to reduce vapours.

Prevent entry into drains, watercourses, or confined areas; dike if needed.

If the product contaminates public water, inform appropriate authorities immediately in accordance with local regulations. Dispose in a safe manner in accordance with local/national regulations.

Methods for containment and cleaning up:

For small spills: Isolate area and keep unauthorized personnel away. Contain spilled material if possible. Avoid



According to UN GHS 8th Ed Revision Date: 05/06/2022

First print date: 01/09/2019

Version: 1.1

breathing vapours and avoid skin and eye contact. Remove sources of ignition. Wear PPE. Collect in suitable and properly labelled containers. Absorb with materials such as: sand, earth, vermiculite, or diatomaceous earth For large spills: Isolate area and keep unauthorized personnel away. Contain spilled material if possible. Avoid breathing vapours and avoid skin and eye contact. Remove sources of ignition. Wear PPE. Contain and collect spillage with non-combustible, absorbent material e.g., sand, earth, vermiculite or diatomaceous earth and place in well labelled container for disposal according to local regulations. Prevent entry into drains, watercourses, confined areas, and prevent contact with vegetation.

Reference to other sections:

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for information on disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:

Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking, and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not get in eyes or on skin or clothing.

Protective measures: Observe directions on label and instructions for use.

Advice on general occupational hygiene: Do not eat drink or smoke when handling this product.

Conditions for safe storage, including incompatibilities:

Store product in a segregated and approved area. Keep container in a cool, well-ventilated area at temperatures not exceeding 30°C Keep container tightly closed and sealed until ready for use. Keep under lock and key out of reach of unauthorized persons, children, and animals. Store away from incompatible substances.

Specific end uses:

Use as directed. Use original container.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:

Occupational exposure limits (OEL): No information available.

Biological exposure indices (BEI): No information available.

Additional exposure limits under the conditions of use: No information available.

Exposure control:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. A Risk Assessment should be conducted before handling is to commence to determine specific exposure control.

Appropriate engineering controls: Provide exhaust ventilation or other engineering controls. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Hygiene measures: Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection: Use splash proof safety glasses and face shield .

Hand protection: Use chemical resistant gloves. Examples of preferred glove barrier materials include Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, Polyvinyl alcohol, Polyvinyl chloride.

Body protection: Appropriate impervious clothing is required to prevent skin contact with the product, apron, rubber



First print date: 01/09/2019

Version: 1.1

Safety Data Sheet (SDS) Fenamiphos

According to UN GHS 8th Ed Revision Date: 05/06/2022

boots.

Respiratory protection: Respiratory protection is required; use an approved air-purifying respirator. **Environmental exposure controls:** Prevent product from entry into sewers and water courses.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Odour No data available Odour threshold No data available OH 6.7 Melting point / freezing point (° C) No data available Boiling point (° C) No data available Flash point (° C) 23 °C Evaporation rate No data available Flammability Combustible Liquid Upper /lower flammability limits No data available Vapour pressure No data available Vapour density No data available Relative density (25°C) No data available Water solubility (g/l) at 20°C No data available Partition coefficient : n-octanol/water No data available Auto-ignition temperature (° C) No data available Decomposition temperature (° C) No data available Viscosity, dynamic (mPa s) No data available Explosive properties No data available Oxidising properties No data available	Appearance	Clear light brown liquid
Odour threshold PH 6.7 Melting point / freezing point (° C) Ro data available Boiling point (° C) Flash point (° C) Flash point (° C) Evaporation rate No data available Flammability Combustible Liquid Upper /lower flammability limits No data available Vapour pressure No data available Vapour density Relative density (25°C) No data available Water solubility (g/I) at 20°C Partition coefficient: n-octanol/water Auto-ignition temperature (° C) No data available Viscosity, dynamic (mPa s) No data available Explosive properties No data available Oxidising properties No data available No data available No data available	Colour	Amber
pH 6.7 Melting point / freezing point (° C) No data available Boiling point (° C) No data available Flash point (° C) 23 ° C Evaporation rate No data available Flammability Combustible Liquid Upper /lower flammability limits No data available Vapour pressure No data available Vapour density No data available Relative density (25°C) No data available Water solubility (g/l) at 20°C No data available Partition coefficient: n-octanol/water No data available Auto-ignition temperature (° C) No data available Decomposition temperature (° C) No data available Viscosity, dynamic (mPa s) No data available Explosive properties No data available Oxidising properties No data available	Odour	No data available
Melting point / freezing point (° C) Boiling point (° C) Flash point (° C) Evaporation rate No data available Flammability Upper /lower flammability limits No data available Vapour pressure No data available Vapour density Relative density (25°C) Water solubility (g/l) at 20°C Partition coefficient: n-octanol/water Auto-ignition temperature (° C) No data available Viscosity, dynamic (mPa s) Explosive properties No data available	Odour threshold	No data available
Boiling point (°C) Flash point (°C) Evaporation rate No data available Flammability Combustible Liquid Upper /lower flammability limits No data available Vapour pressure No data available Vapour density Relative density (25°C) Water solubility (g/l) at 20°C Partition coefficient: n-octanol/water Auto-ignition temperature (°C) Decomposition temperature (°C) Viscosity, dynamic (mPa s) Explosive properties No data available	рН	6.7
Flash point (° C) Evaporation rate No data available Flammability Combustible Liquid Upper /lower flammability limits No data available Vapour pressure No data available Vapour density Relative density (25°C) No data available Water solubility (g/l) at 20°C No data available Partition coefficient : n-octanol/water Auto-ignition temperature (° C) Decomposition temperature (° C) No data available Viscosity, dynamic (mPa s) Explosive properties No data available	Melting point / freezing point (°C)	No data available
Evaporation rate Flammability Combustible Liquid Upper /lower flammability limits No data available Vapour pressure No data available Vapour density Relative density (25°C) No data available Water solubility (g/l) at 20°C Partition coefficient: n-octanol/water Auto-ignition temperature (°C) No data available Decomposition temperature (°C) No data available Viscosity, dynamic (mPa s) Explosive properties No data available	Boiling point (°C)	No data available
Flammability Upper /lower flammability limits No data available Vapour pressure No data available Vapour density Relative density (25°C) No data available Water solubility (g/l) at 20°C Partition coefficient: n-octanol/water Auto-ignition temperature (° C) Decomposition temperature (° C) Viscosity, dynamic (mPa s) Explosive properties No data available	Flash point (°C)	23 °C
Upper /lower flammability limits Vapour pressure Vapour density Relative density (25°C) No data available Water solubility (g/l) at 20°C Partition coefficient: n-octanol/water Auto-ignition temperature (°C) Decomposition temperature (°C) Viscosity, dynamic (mPa s) Explosive properties No data available	Evaporation rate	No data available
Vapour pressure Vapour density Relative density (25°C) No data available Water solubility (g/l) at 20°C Partition coefficient: n-octanol/water Auto-ignition temperature (° C) Decomposition temperature (° C) Viscosity, dynamic (mPa s) Explosive properties No data available	Flammability	Combustible Liquid
Vapour density Relative density (25°C) No data available Water solubility (g/l) at 20°C Partition coefficient: n-octanol/water Auto-ignition temperature (°C) Decomposition temperature (°C) Viscosity, dynamic (mPa s) Explosive properties No data available	Upper /lower flammability limits	No data available
Relative density (25°C) Water solubility (g/l) at 20°C Partition coefficient : n-octanol/water Auto-ignition temperature (°C) Decomposition temperature (°C) No data available No data available Viscosity, dynamic (mPa s) Explosive properties No data available	Vapour pressure	No data available
Water solubility (g/l) at 20°C Partition coefficient: n-octanol/water Auto-ignition temperature (° C) Decomposition temperature (° C) Viscosity, dynamic (mPa s) Explosive properties No data available	Vapour density	No data available
Partition coefficient : n-octanol/water Auto-ignition temperature (° C) Decomposition temperature (° C) No data available Viscosity, dynamic (mPa s) Explosive properties No data available No data available No data available No data available	Relative density (25°C)	No data available
Auto-ignition temperature (° C) Decomposition temperature (° C) No data available Viscosity, dynamic (mPa s) Explosive properties No data available Oxidising properties No data available	Water solubility (g/l) at 20°C	No data available
Decomposition temperature (° C) No data available Viscosity, dynamic (mPa s) No data available Explosive properties No data available Oxidising properties No data available	Partition coefficient : n-octanol/water	No data available
Viscosity, dynamic (mPa s) Explosive properties Oxidising properties No data available No data available	Auto-ignition temperature (° C)	No data available
Explosive properties No data available Oxidising properties No data available	Decomposition temperature (°C)	No data available
Oxidising properties No data available	Viscosity, dynamic (mPa s)	No data available
<u> </u>	Explosive properties	No data available
Explosive limits No data available	Oxidising properties	No data available
	Explosive limits	No data available

SECTION 10. STABILTY AND REACTIVITY

Reactivity:

The product is stable under normal conditions. Product is subject to hydrolysis.

Chemical stability:

Stable under normal storage conditions for 2 years. Avoid excessive heat sources. Subjected to hydrolysis and unstable in alkaline media.

Possibility of hazardous reactions:

No information available.

Conditions to avoid:

Avoid excessive heat and ignition sources.

Incompatible materials:

Should not be applied in combination with strong oxidisers and alkaline products.

Hazardous decomposition products:

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx), Sulfur oxides Oxides of phosphorus.

Other decomposition products - No data available



According to UN GHS 8th Ed Revision Date: 05/06/2022

First print date: 01/09/2019

Version: 1.1

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicokinetics, metabolism and distribution: No data available

Information on toxicological effects:

Assessment of acute toxicity:

The product has not been tested. The data reported is for the main ingredients in the mixture.

The product has not been tested. The data reported is for	the main ingredients in the mixture.
Fenamiphos CAS No. 22224-92-6	
Acute toxicity:	
Acute Oral LD50 (rat – male and female)	10 mg/kg
Acute Dermal LD50 (rat):	80 mg/kg
Acute Inhalation LC50 - 4 h (rat)	0.12 mg/l
Eye damage / irritation	Causes serious eye damage
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific Target Organ Toxicity STOT single exposure	No data available
Specific Target Organ Toxicity STOT repeated exposure	No data available
Aspiration hazard	No data available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Dimethylbenzene CAS No. 1330-20-7	
Acute toxicity:	
Acute Oral LD50 (rat - male)	3523 mg/kg
Acute Dermal LD50 (rabbit):	1700 mg/kg
Acute Inhalation LC50 - 4 h (rat)	29.09 mg/l
Skin irritation/ corrosion (rabbits)	Moderate skin irritation - 24 h
Eye damage / irritation (rabbits)	Causes serious eye irritation 24 h
Respiratory or skin sensitization Sensitisation: Local lymph node assay (LLNA) - Mouse	Negative

Germ cell mutagenicity:

Test Type: Mutagenicity (mammal cell test): chromosome aberration

Test system: Chinese hamster ovary cells

Metabolic activation: with and without metabolic activation Method: Regulation (EC) No. 440/2008, Annex, B.10

Result: Negative Test Type: Ames test

Test system: Salmonella typhimurium Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: negative

Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific Target Organ Toxicity STOT single exposure	May cause respiratory irritation Respiratory system system.
Specific Target Organ Toxicity STOT repeated exposure	Inhalation - May cause damage to organs through prolonged
	or repeated exposure Central nervous system, Liver, Kidney
Aspiration hazard	May be fatal if swallowed and enters airways.



According to UN GHS 8th Ed Revision Date: 05/06/2022

First print date: 01/09/2019

Version: 1.1

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

investigated.	
Calcium dodecylbenzenesulphonate CAS No. 26264-06-2	
Acute toxicity:	
Acute Oral LD50 (rat - male)	1300 mg/kg
Acute Dermal LD50 (rat):	2000 mg/kg
Acute Inhalation LC50 - 4 h (rat)	310 mg/m³ air
Skin irritation/ corrosion	Adverse effect observed (irritating)
Eye damage / irritation	Adverse effect observed (irritating)
Respiratory or skin sensitization	No adverse effect observed (not irritating)
Germ cell mutagenicity	No data available
Carcinogenicity	No adverse effect observed
Reproductive toxicity	No adverse effect observed (negative)
Specific Target Organ Toxicity STOT single exposure	No data available
Specific Target Organ Toxicity STOT repeated exposure	No data available
Aspiration hazard	No data available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12. ECOLOGICAL INFORMATION

Fenamiphos CAS No. 22224-92-6	
Toxicity	
Birds Acute oral LD50	0.7-1.6 mg/kg Bobwhite quail; 0.9-1.2 mg/kg Mallard ducks
Dietary LC50 5 days	316 mg/kg diet Mallard ducks ; 38 mg/kg Bobwhite quail
Aquatic Toxicity Fish LC ₅₀ (96 hr)	Rainbow trout 0.0721 mg/l, Bluegill sunfish 0.0096 mg/l,
Aquatic Toxicity Daphnia LC ₅₀ (48 hr)	0.0019 mg/l
Toxicity to algae – static test E _r C50 (96h)	11 mg/l for green algae (Scenedesmus subspicatus)
Toxicity to bees LD ₅₀ (oral)	0.45 µg/bee
Toxicity to bees LD ₅₀ (contact)	0.28 μg/bee
Worms LC ₅₀	795mg/kg dry soil <i>Eisenia foetida</i>
Persistence and degradability	Fenamiphos is moderately persistent in the soil, with a reported soil half-life of about 50 days. Fenamiphos is not strongly absorbed to soils and classified as compound with low mobility. The major degradation products are Fenamiphos sulfoxide and Fenamiphos sulfone and their phenols. The compound appears to have no effect on the activity of soil bacteria. Aerobic processes are most important for breakdown of the compound.
Bioaccumulation potential	No data available
Mobility in Soil	Low soil mobility
Result of PBT and vPvB assessment	No data available
Other adverse effects	Very toxic to aquatic life with long lasting effects.

Calcium dodecylbenzenesulphonate CAS No. 26264-06-2



According to UN GHS 8th Ed Revision Date: 05/06/2022

First print date: 01/09/2019

Version: 1.1

Toxicity	
Aquatic Toxicity Fish LC ₅₀ (96 hr)	1.74 -7.16 mg/l
Aquatic Toxicity Daphnia semi static EC ₅₀ (96 hr)	No data available
Toxicity to algae – static test EC50 (96h)	2.73 – 29 mg/l
Toxicity to bacteria EC50 (3h)	500 – 723 mg/l
Persistence and degradability	
Biodegradability-aerobic 20days	No data available
Bioaccumulation potential	No data available
Mobility in Soil	No data available
Result of PBT and vPvB assessment	No data available
Other adverse effects	No data available

Dimethylbenzene CAS No. 1330-20-7	
Toxicity	
Aquatic Toxicity Fish static test LC ₅₀ (96 h) (Xylene) Toxicity to algae – static test EC ₅₀ (73 h) (Xylene)	2.60 mg/l Oncorhynchus mykiss (rainbow trout) 4.36 mg/l Pseudokirchneriella subcapitata
Toxicity to bacteria	No data available
Persistence and degradability	
Biodegradability	No data available
Bioaccumulation potential	No data available
Mobility in Soil	No data available
Result of PBT and vPvB assessment	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
Other adverse effects	No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Product:

Keep out of drains, sewers, ditches, and waterways. Refer to container label for disposal information. Treat as hazardous waste and dispose of in accordance with local/regional/national/international regulations.

Container:

Refer to container label for disposal information. Triple or pressure rinse empty containers. Pour rinse water into spray tank. Dispose of as hazardous waste. Do not contaminate water when disposing of rinse water. Dispose of using an approved waste disposal service provider. Follow all local/ regional/ national/ international regulations.

SECTION 14. TRANSPORT INFORMATION

UN Number	3017
UN proper shipping name	ORGANOPHOSPHORUS PESTICIDES; LIQUID; TOXIC, FLAMMABLE, flash point not less than 23 °C (Fenamiphos 400 g/l).
Transport hazard class	6.1 (3)
Packaging group	1
Marine pollutant	Yes

SECTION 15. REGULATORY INFORMATION



According to UN GHS 8th Ed Revision Date: 05/06/2022

First print date: 01/09/2019

Version: 1.1

Safety, health, and environmental regulations/legislation for the mixture:

Relevant information regarding authorization: Occupational Health and Safety Act 1993. Regulation for Hazardous Chemical Agents, 2021.UN Recommendations on the Transport of Dangerous Goods Model Regulations Rev. 21 (2019), Globally Harmonized System of Classification and Labelling of Chemicals (GHS) Rev 8, 2019.

Relevant information regarding restrictions:

EU regulations: Regulation EC 1272/2008 [EU-GHS/CLP]

Other National regulations:

National Road Traffic Act, 1996 (ACT NO. 93 of 1996).

SANS 10228:2012- The identification and classification of dangerous goods for transport by road and rail modes.

National Environmental Management Waste Act 59 of 2008.

Act 36 of 1947 of the Republic of South Africa. This product is registered under it is a violation of South African law to use this product in any manner inconsistent with its approved labelling. Read and follow all label directions **Chemical Safety Assessment carried out?** No

SECTION 16. OTHER INFORMATION

Indication of changes:

Classification according to SANS 10234:2019, Regulation EC 1272/2008 [EU-GHS/CLP] GHS aligned – all sections

Relevant H statements (number and full text):

Aquatic acute toxicity (Category 1): Very toxic to aquatic life

Aquatic chronic toxicity (Category 1): Ver toxic to aquatic life with long lasting effects

Training instructions:

Use as indicated on the label, special training may be required for application.

Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

The information on this sheet is not a specification; it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product, nor where instructions or recommendations are not followed.