Safety Data Sheet (SDS) Abamec Plus

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

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: ABAMEC PLUS

Common name: Abamectin 18 g/ℓ EC

Relevant identification uses of the substance and uses advised against:

Identified uses: Insecticide (Miticide)

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:

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]

Hazard classes/Hazard categories	Hazard statement
Acute toxicity Oral (Category 4)	H302
Acute toxicity Aspiration (Category 1)	H304
Skin irritation (Category 2)	H315
Serious eye damage (Category 1)	H318
STOT SE -respiratory (Category 3)	H335
STOT SE– CNS (Category 3)	H336
STOT RE – CNS (Category 1)	H372
Reproductive Toxicity (Category 2)	H361d
Flammable Liquid (Category 1)	H224
Aquatic Toxicity Acute (Category 1)	H400
Aquatic Toxicity Chronic (Category 1)	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.

Label elements

Hazard pictograms:
Signal Word: Danger

Hazard Statements:

H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H318	Causes serious eye damage
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H372	Causes damage to organs through prolonged and repeated exposure
H361d	Suspected of damaging unborn child
H224	Extremely flammable liquid and vapour
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

Precautionary Statements:

P102	Keep out of reach of children
P103	Read label before use
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243	Take precautionary measures against static discharge.
P264	Wash hands, forearms, and face thoroughly after handling
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray
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.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician
P302+P352	IF ON SKIN: Wash with plenty of water.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P313	If exposed: Call a POISON CENTER or doctor/physician.
P314	Get medical advice/attention if you feel unwell.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with local/regional/ national/international

Other hazards: Toxic to bees

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

Ingredients:

Substance name (IUPAC)	CAS Number.	Concentration % by weight	Classification EC1272/2008
Abamectin	71751-41-2	1.8 %	Acute Toxicity (Category 2) H300 Acute Toxicity (Category 1) H330 STOT RE (Category 1) H372 Aquatic Acute (Category 1) H400 Aquatic Chronic (Category 1) H410 Reproductive Toxicity (Category 2) H361d
Butyl Alcohol	71-36-3	<70%	Flammable Liquid (Category 3) H226 Acute Toxicity (Category 4) H302 Skin Irritation (Category 2) H315 Serious Eye Damage (Category 1) H318 STOT SE (Category 3) H335 STOT SE (Category 3) H336
Surfactant 02024: Isopropanol Polyoxyethylene Sorbitan Monooleate	 67-63-0 9005-65-6	<20%	Eye irritation (Category 2) H319 STOT SE (Category 3) H336
Isopentane	78-78-4	<25%	Flammable Liquid (Category 1) H224 Aspiration Toxicity (Category 1) H304 STOT SE (Category 3) H336 Aquatic Chronic (Category 2) H411

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.

In case of skin contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes whileremoving 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 collar,tie, belt, or waistband.

Most important symptoms and effects, both acute and delayed:

Inhalation: Hazardous in case of inhalation product is a lung irritant. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Over-exposure by inhalationmay cause respiratory irritation.

Ingestions: May be harmful if swallowed.

Skin contact: Irritant, may cause an allergic reaction.

Eye contact: Hazardous in case of eye contact (corrosive).

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 ofpolluted 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 personal away may be toxic by 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 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. Keep container tightly closed and sealed until ready for use.

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 safety glasses. If there is a potential for exposure to particles which could cause eye discomfort wear chemical goggles.

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.

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

Appearance	Liquid
Colour	Light yellow to brown
Odour	No data available
Odour threshold	No data available
pH	5.5. - 6.5
Melting point / freezing point (°C)	No data available

Boiling point (° C)	No data available
Flash point (° C)	27 ˚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)	1.116
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	Can form an explosive mixture in air.
Oxidising properties	No data available
Explosive limits	No data available

SECTION 10. STABILTY AND REACTIVITY

Reactivity:

The product is stable under normal conditions.

Chemical stability:

Stable under normal storage conditions for 2 years. Avoid excessive heat sources.

Possibility of hazardous reactions:

No information available.

Conditions to avoid:

Avoid excessive heat sources.

Incompatible materials:

Should not be applied in combination with strong acidic and strong alkaline products.
Abamectin can be hydrolysed by strong caustic solutions.

Hazardous decomposition products:

Toxic materials are formed during exposure to high temperatures (may include but not limited to carbon monoxide and carbon dioxide).

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.

Abamectin tech CAS No. 71751-41-2	
Acute toxicity:	
Acute Oral LD50 (rat - male)	10 mg/kg
Acute Dermal LD50 (rat):	>2000 mg/kg
Acute Inhalation LC50 - 4 h (rat)	No data available
Skin irritation/ corrosion (rabbits)	Non irritating to skin
Eye damage / irritation (rabbits)	Mild eye irritant
Respiratory or skin sensitization	No data available

Germ cell mutagenicity	Abamectin was shown to be non-mutagenic in the Ames test
Carcinogenicity	Not classified
Reproductive toxicity	Suspected of damaging the unborn child
Specific Target Organ Toxicity STOT single exposure	Not classified
Specific Target Organ Toxicity STOT repeated exposure	Causes damage to organs through prolonged or repeated exposure. Central nervous system.
Aspiration hazard	Not classified

Butyl alcohol CAS No. 71-36-3	
Acute toxicity:	
Acute Oral LD50 (rat)	790 mg/kg
Acute Dermal LD50 (rabbit- male):	3430 mg/kg
Acute Inhalation LC50 - 4 h (rat)	No data available
Skin irritation/ corrosion (rabbit)	Skin irritation - 2h
Eye damage / irritation (rabbit)	Irreversible effects on the eye
Respiratory or skin sensitization	No data available
Germ cell mutagenicity Test Type: In vitro mammalian cell gene mutation test Test system: Chinese hamster lung cells Metabolic activation: With and without metabolic activation Method: OECD Test Guideline 476 Result: Negative	
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific Target Organ Toxicity STOT single exposure	May cause respiratory irritation.
Specific Target Organ Toxicity STOT repeated exposure	No data available
Aspiration hazard	No data available
Additional Information	Drying, cracking of the skin, Skin irritation

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

Surfactant 0204 - (Polyoxyethylene Sorbitan Monooleate and Isopropanol)

Polyoxyethylene Sorbitan Monooleate CAS No. 9005-65-6	
Acute toxicity:	
Acute Oral LD50 (rat)	34500 mg/kg
Acute Dermal LD50 (rat):	No data available
Acute Inhalation LC_{50} (4 h) (rat -male and female)	No data available
Skin irritation/ corrosion (rabbit)	No skin irritation - 4h
Eye damage / irritation (rabbit)	No Eye irritation
Respiratory or skin sensitization Buehler Test (Guinea	No data available
Germ cell mutagenicity: Test Type: Ames test Test system: Salmonella typhimurium Result: negative	
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	No data available

Aspiration hazard	No data available

Additional data:

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

Isopropanol CAS No. 67-63-0	
Acute toxicity:	
Acute Oral LD50 (rat)	5840 mg/kg
Acute Dermal LD50 (rat):	12800 mg/kg
Acute Inhalation LC_{50} (4 h) (rat -male and female)	37.5 mg/l
Skin irritation/ corrosion (rabbit)	No skin irritation - 4h
Eye damage / irritation (rabbit)	Eye irritation
Respiratory or skin sensitization Buehler Test (Guinea	Negative
Germ cell mutagenicity: Test Type: Ames Salmonella typhimurium Test system: Chinese hamster ovary cells In vitro mammalian cell gene mutation test Method: OECD Test Guideline 474 Result: Negative	
Carcinogenicity	No ingredient of this product present at levels greater
Reproductive toxicity	No data available
Specific Target Organ Toxicity STOT single exposure	Inhalation, oral. May cause drowsiness or dizziness –
Specific Target Organ Toxicity STOT repeated	No data available
Aspiration hazard	No data available

Additional Information:

Central nervous system depression, prolonged or repeated exposure can cause: Nausea, Headache, Vomiting, narcosis, Drowsiness. Overexposure may cause mild, reversible liver effects. Aspiration may lead to: Lung oedema, Pneumonia

After absorption: Headache ,dizziness, inebriation, unconsciousness, narcosis.After uptake of large quantities: Coma.

Kidney - Irregularities - Based on Human Evidence

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

Isopentane CAS No. 78-78-4	
Acute toxicity:	
Acute Oral LD50 (rat)	>2000 mg/kg
Acute Dermal LD50 (rat):	No data available
Acute Inhalation LC_{50} (4 h) (rat -male and female)	62.19 mg/l
Skin irritation/ corrosion (rabbit)	No skin irritation - 4h
Eye damage / irritation (rabbit)	No Eye irritation
Respiratory or skin sensitization Buehler Test (Guinea	Negative
Germ cell mutagenicity: Test Type: Ames Salmonella typhimurium 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 drowsiness or dizziness – Central nervous
Specific Target Organ Toxicity STOT repeated	No data available
Aspiration hazard	May be fatal if swallowed and enters airways. Aspiration

Additional Information: Liver - Irregularities - Based on Human Evidence

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

SECTION 12. ECOLOGICAL INFORMATION

Abamectin tech CAS No. 71751-41-2	
Toxicity	
Birds Acute oral LD_{50}	84.6 mg/kg Mallard Ducks; > 2000 mg/kg Bobwhite tail
Aquatic Toxicity Fish LC_{50} (96 hr) Aquatic Toxicity Daphnia EC_{50} (48 hr) Avian Toxicity LD_{50} (9 days) Bee Toxicity LD_{50}	0.0032 ppm (rainbow trout); 0.0096 ppm (bluegill sunfish). 0.00034 ppm 84.6 mg/kg (mallard ducks); >2 000 mg/kg (bobwhite quail). Toxic to bees
Persistence and degradability	Binds tightly to soil. Rapid degradation by soil micro-organisms.
Bioaccumulation potential	Low bioaccumulation potential.
Mobility in soil	Low mobility (soil)

Butyl alcohol CAS No. 71-36-3	
Toxicity	
Aquatic Toxicity Fish LC_{50} (96 hr) Aquatic Toxicity Daphnia EC_{50} (48 hr) Toxicity to algae – static test ErC50 (96h) Toxicity to bacteria static test EC50 (17h)	1376 mg/l Pimephales promelas (fathead minnow) 1328 mg/l - Daphnia magna (Water flea) 225 mg/l Pseudokirchneriella subcapitata (green algae) 4390 mg/l
Persistence and degradability	
Biodegradability-aerobic 20days	92 % - Readily biodegradable.
Bioaccumulation potential	
Bioaccumulation 24h	921 mg/l (n-butanol) -Oncorhynchus mykiss (rainbow trout) Bioconcentration factor (BCF) : 0.38
Mobility in Soil	No data available
Result of PBT and vPvB assessment	This substance 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

Polyoxyethylene Sorbitan Monooleate CAS No. 9005-65-6	
Toxicity	
Aquatic Toxicity Fish LC_{50} (96 hr) Aquatic Toxicity Daphnia EC_{50} (48 hr)	No data available No data available
Persistence and degradability	
Biodegradability-	52 % - Not readily biodegradable.
Bioaccumulation potential	No data available
Mobility in Soil	No data available
Result of PBT and vPvB assessment	This substance 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

Isopropanol CAS No. 67-63-0	
Toxicity	
Aquatic Toxicity Fish LC_{50} (96 hr) Aquatic Toxicity Daphnia EC_{50} (48 hr) Toxicity to algae – static test IC50 (72h) Toxicity to bacteria static test EC5 (16h)	9.640 mg/l Pimephales promelas (fathead minnow) 13.299 mg/l - Daphnia magna (Water flea) >1.000 mg/l Desmodesmus subspicatus (green algae) 1.050 mg/l Pseudomonas putida
Persistence and degradability	
Biodegradability-aerobic 5 days	53 % - Readily biodegradable.
Bioaccumulation potential	
Bioaccumulation 24h	No bioaccumulation is to be expected (log Pow <= 4).
Mobility in Soil	No data available
Result of PBT and vPvB assessment	This substance 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

Isopentane CAS No. 78-78-4	
Toxicity	
Aquatic Toxicity Fish LC_{50} (96 hr) Aquatic Toxicity Daphnia EC_{50} (48 hr)	No data available No data available
Persistence and degradability	
Biodegradability-aerobic 28 days	71.43 % - Readily biodegradable.
Bioaccumulation potential	
Bioaccumulation 24h	Pimephales promelas (fathead minnow) (isopentane) Bioconcentration factor (BCF): 171 Does not readily accumulate in organisms.
Mobility in Soil	No data available
Result of PBT and vPvB assessment	This substance 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.
Endocrine disrupting properties	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Other adverse effects	Discharge into the environment must be avoided.

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	1992
UN proper shipping name	FLAMMABLE LIQUID, TOXIC, N.O.S
Transport hazard class	3
Packaging group	III
Marine pollutant	Yes
Special precautions for user	Not required
Transport in bulk according to MARPOL 73/78	Not required

SECTION 15. REGULATORY INFORMATION

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):

STOT RE 1- Specific Target Organ Toxicity repeated exposure (Category 1)

STOT SE-3 - Specific Target Organ Toxicity single exposure (Inhalation) (Category 3)

STOT SE-3 CNS -Specific Target Organ Toxicity single exposure (Central nervous system) (Category 3)

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

Aquatic chronic toxicity (Category 1): Very 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.