

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

Product identifier:

Identification as on the label/Trade name: ABAMEC X&M

Common name: Abamectin 18g/L EC

Relevant identification uses of the substance and uses advised against:

Identified uses: Insecticide / Acaracide

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:

Enviro Bio-Chem (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 Regulation (EC) No 1272/2008 EU-GHS/CLP

Hazard classes/Hazard categories	Hazard statement
Flammable Liquid (Category 2)	H225
Acute toxicity (Category 4)	H302
Aspiration Hazard (Category 1)	H304
Skin irritation (Category 2)	H315
Eye Irritation (Category 2)	H319
Acute toxicity (Category 1)	H332
Reproductive Toxicity (Category 2)	H361d
STOT SE (Category 1)	H370
STOT RE (Category 2)	H373
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 physicochemical effects: Highly flammable liquid and vapour

The most important adverse human health effects: May be fatal if ingested and aspiration occurs. Harmful if swallowed.

Causes serious eye and skin irritation. Suspected of damaging unborn child

Safety Data Sheet (SDS) Abamec X&M

According to UN GHS 8th Ed

Revision Date: 07/05/2022

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Version: 1.1

Label elements



Hazard pictograms:
Signal Word: Danger

Hazard Statements:

H225	Highly flammable liquid and vapour
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H361d	Suspected of damaging unborn child
H370	Causes damage to organs, eyes and Central Nervous system
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:

P102	Keep out of reach of children
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. No smoking.
P260	Do not breathe mist/spray.
P264	Wash hands, forearms, 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.
P273	Avoid release to the environment.
P280	Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+P352	IF ON SKIN: Wash with plenty of water and non-abrasive soap.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P308+P311:	IF exposed or concerned: Call a POISON CENTER.
P331	Do NOT induce vomiting.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362	Take off contaminated clothing and wash it before reuse.
P337+P313	If eye irritation persists: Get medical advice/attention.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up
P391	Collect spillage
P501	Dispose of contents/container in accordance with local/regional/ national regulations

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 (b1 content)	71751-41-2	2.0 %	Acute Toxicity Oral (Category 2) H300 Acute Toxicity Inhalation (Category 1) H330 STOT RE (Category 1) H372 Aquatic Acute (Category 1)H400 Aquatic Chronic (Category 1) H410 Reproductive Toxicity (Category 2) H361d
Methanol	67-56-1	<50%	Flammable Liquid (Category 2) H225 Acute Toxicity Oral (Category 3) H301 Acute Toxicity Inhalation (Category 3)H331 Acute Toxicity Dermal (Category 3) H311 STOT SE (Category 1) H370
Calcium dodecylbenzenesulfonate	26264-06-2	<5%	Acute Toxicity Oral (Category 4) H302 Skin Irritation (Category 2) H315 Eye Irritation (Category 2) H319 Aquatic Chronic (Category 4) H413
Xylene	1330-20-7	<50%	Flammable liquids (Category 3), H226 Acute toxicity, Inhalation (Category 4), H332 Acute toxicity, Dermal (Category 4), H312 Skin irritation (Category 2), H315 Eye irritation (Category 2), H319 STOT SE (Category 3), Respiratory system, H335 STOT RE (Category 2), H373 Aspiration hazard (Category 1), H304 Aquatic chronic (Category 3), H412

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, Remove contaminated clothing and shoes. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. Obtain medical attention if irritation persists.

In case of eye contact: Flush eyes with clean water for at least 15 – 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. Seek medical attention immediately.

In case of ingestion Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position

and get medical attention immediately. Maintain an open airway. 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 inhalation may cause respiratory irritation.

Ingestions: May be harmful if swallowed. May be fatal if swallowed and enters airways. Irritating to mouth, throat and stomach.

Skin contact: Causes skin irritation.

Eye contact: Causes serious eye irritation.

Indication of any immediate medical attention and special treatment needed:

Treat symptomatically and supportively.

SECTION 5. FIRE FIGHTING MEASURES

Extinguisher media:

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

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

Specific hazards arising from the mixture:

Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

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 harmful 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 Contain spilled material if possible. Collect in suitable and properly labelled containers. Absorb with materials such as: sand, earth, vermiculite, or diatomaceous earth

For large spills Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements, or confined areas. Contain and collect spillage with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous

earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

Reference to other sections:

see Section 1 for emergency contact information

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:

Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not swallow. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition sources. Use explosion-proof electrical (ventilating, lighting, and material handling) equipment. Use only nonsparking tools. Empty containers retain product residue and can be hazardous. Do not reuse container.

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

Advice on general occupational hygiene: 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. See also Section 8 for additional information on hygiene measures. Remove contaminated clothing and protective equipment before entering eating areas

Conditions for safe storage, including incompatibilities:

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Specific end uses:

Use as directed. Use original container.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:

Acceptable Daily Intake (ADI): 0.0005 mg/kg body weight (Lambda-cyhalothrin).

Exposure Limits:

Components	Short Term Exposure Limit STEL (15 minutes)	Threshold Limit Value TLV (TWA)
Xylene	150 ppm	100 ppm

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: Work only in a well-ventilated area. Respiratory protection is required; a properly fit-tested respirator fitted with organic vapour cartridges is required.

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	4.5 – 7.0
Melting point / freezing point (°C)	No data available
Boiling point (°C)	No data available
Flash point (°C)	18 °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)	0.881
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. STABILITY 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.

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Conditions to avoid:

Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

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	Not classified
Germ cell mutagenicity	No data available
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
Aspiration hazard	Not classified

Methanol 67-56-1	
Acute toxicity:	
Acute Oral LD50 (rat - male)	5628 mg/kg
Acute Dermal LD50 (rabbit):	15800 mg/kg
Acute Inhalation LC50 - 6 h (rat)	130.7 mg/l air
Skin irritation/ corrosion (rabbits)	No skin irritation
Eye damage / irritation (rabbits)	No eye irritation
Respiratory or skin sensitization (Guinea pig)	Negative

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Germ cell mutagenicity:	
Test Type: Ames Test	
Test system: Salmonella typhimurium	
Metabolic activation: with and without metabolic activation	
Method: OECD Test Guideline 471	
Result: negative	
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	Causes damage to organs. - Eyes, Central nervous system.
Specific Target Organ Toxicity STOT repeated exposure	No data available
Aspiration hazard	Not classified

Additional Information:

Acute effects: Headache, dizziness, drowsiness, narcosis, blindness, impairment of vision, irritant effects, nausea, vomiting, agitation, spasms, inebriation, coma. Drying-out effect resulting in rough and chapped skin.

Damage to liver, kidney, cardiac, irreversible damage of the optical nerve.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly 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)	0.31 mg/l
Skin irritation/ corrosion	Irritating to skin
Eye damage / irritation	Irritating to eyes
Respiratory or skin sensitization	Not a respiratory or skin sensitizer
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

Xylene CAS No. 1330-20-7	
Acute toxicity:	
Acute Oral LD50 (rat - male)	3523-4000 mg/kg
Acute Dermal LD50 (rabbit):	12126 mg/kg bw
Acute Inhalation LC50 - 4 h (rat)	6700 mg/l
Skin irritation/ corrosion (rabbits)	Moderate skin irritation - 24 h
Eye damage / irritation (rabbits)	Causes serious eye irritation. - 24 h

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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.

Additional Information: Blurred vision, Incoordination., Headache, Nausea, Vomiting, Dizziness, Weakness, anemia, Prolonged or repeated exposure to skin causes defatting and dermatitis.

Systemic effects: headache, drowsiness, dizziness agitation, spasms narcosis inebriation

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)
Methanol 67-56-1	
Toxicity	
Aquatic Toxicity Fish LC ₅₀ flow through test (96 hr) Aquatic Toxicity Daphnia semi static EC ₅₀ (96 hr) Toxicity to algae – static test ErC50 (96h) Toxicity to bacteria static test IC50 (3h)	15400 mg/l Lepomis macrochirus (Bluegill) 18.260 mg/l - Daphnia magna (Water flea) 22000 mg/l Pseudokirchneriella subcapitata (green algae) >1.000 mg/l
Persistence and degradability	

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Biodegradability-aerobic 20days	99 % - Readily biodegradable.
Bioaccumulation potential	
Bioaccumulation 72 days @ 20 °C	5 mg/l (methanol) - Cyprinus carpio (Carp) – Bioconcentration factor (BCF) : 1.0
Mobility in Soil	Will not adsorb on soil
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	Avoid release to the environment

Xylene CAS No. 1330-20-7	
Toxicity	
Aquatic Toxicity Fish LC ₅₀ static test (96 hr)	2.60 mg/l Oncorhynchus mykiss (rainbow trout)
Aquatic Toxicity Daphnia semi static EC ₅₀ (96 hr)	No data available
Toxicity to algae – static test EC ₅₀ (73 hr)	4.36 mg/l Pseudokirchneriella subcapitata (green algae)
Toxicity to bacteria static test IC ₅₀ (3h)	No data available
Persistence and degradability	
Biodegradability-aerobic 28 days	94 % - Readily biodegradable.
Bioaccumulation potential	
Bioaccumulation 56 days @ 10 °C	1.3 mg/l (Xylene) - Oncorhynchus mykiss (rainbow trout) - Bioconcentration factor (BCF): 7.4 - 18.5
Mobility in Soil	No data available
Result of PBT and vPvB assessment	No data available
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	1992
UN proper shipping name	FLAMMABLE LIQUID, TOXIC, N.O.S. (Abamectin 18 g/l)
Transport hazard class	3
Packaging group	III
Marine pollutant	Yes

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 SE 1- Specific Target Organ Toxicity single exposure (Category 1), Central nervous system, Liver, Kidney

STOT SE 3- Specific Target Organ Toxicity single exposure (Category 3), Respiratory System

STOT RE 2- Specific Target Organ Toxicity repeated exposure (Category 2), Respiratory system, Central nervous system, Liver, Kidney

H300-Fatal if Swallowed

H330-Fatal if inhaled

H372-Causes damage to organs through prolonged or repeated exposure.

H301-Toxic if swallowed

H331-Toxic if inhaled

H311-Toxic in contact with skin

H413-May cause long lasting harmful effects to aquatic life

H312-Harmful in contact with skin

H412-harmful 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.