

## SAFETY DATA SHEET

ACCORDING TO THE SOUTH AFRICAN REGULATIONS FOR HAZARDOUS CHEMICAL AGENTS - 2021

### VIGOUR PLUS

Version: 08/05/2024 / 0002

PAGE 1 OF 13

#### SECTION 1: Product and Company Identification

##### Identification of the product/preparation

Product Name:	Vigour Plus
Trade Name/Synonyms:	Vigour Plus
Registration Number:	L11159
Product Description and Type:	A water-soluble concentrate for the protection of pineapples, potatoes, sugarcane, tobacco, and tomatoes against root knot nematodes.

##### Active Ingredient

Formula:	$C_7H_{13}N_3O_3S$
CAS Number:	23135-22-0

##### Supplier

Company Name: Rolfes Agri (Pty) Ltd  
 Address: 288 Mundt Street  
 Waltloo  
 Pretoria  
 South Africa  
 Phone Number: +27(0)12 803 0145  
 E-mail Address: info@rolfesagri.co.za

##### Emergency Phone Numbers

Nature of Emergency	Emergency Operator	Telephone Number
Office Hour Poisoning Helpline	Rolfes Agri (Pty) Ltd	+27 (12) 803 0145
Spill Response and Transport Incidents	Spill Tech, Oil, and chemical pollution control	+ 27 (0) 86 100 0366 + 27 (0) 83 253 6618 www.spilltech.co.za

##### Relevant identified uses of the product and uses advised against

For use in Agriculture and use as per the product label.

## SECTION 2: Hazards Identification

### Classification of the substance or mixture

This product is classified as hazardous according to the criteria in South Africa - GHS classification and labelling of chemicals and the Regulations for Hazardous Chemical Agents 2021.

### Classification:

Hazard class	Category	Hazard Statement Number
Flammable Liquids	2	H225
Acute Toxicity; Oral	2	H300
Acute Toxicity; Dermal	3	H311
Acute Toxicity; Inhalation	2	H330
Specific Target Organ Toxicity, Single Exposure	1	H370
Hazardous to the aquatic environment, long-term hazards	2	H411

### Label Elements:

South Africa. GHS classification and labelling of chemicals and the Regulations for Hazardous Chemical Agents - 2021.

### Pictograms:



### Signal Word:

DANGER

### Hazard Statements:

Statement Number	Hazard Statement
H225	Highly flammable liquid and vapour.
H300	Fatal if swallowed.
H311	Toxic in contact with skin.
H330	Fatal if inhaled.
H370	Causes damage to organs.
H411	Toxic to aquatic life with long lasting effects.

### Precautionary Statements:

#### General –

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

#### Prevention -

Statement Number	Precautionary Statement
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosive-proof electrical/ventilating/lightning equipment.

P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P260	Do not breathe dust/fumes/gas/mist/vapours/spray.
P264	Wash hands and affected area 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/hearing protection.
P284	In case of inadequate ventilation, wear respiratory protection.

**Response -**

Statement Number	Precautionary Statement
P301 + P316	IF SWALLOWED: Get emergency medical help immediately.
P302 + P352	IF ON SKIN: Wash with plenty of water.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water [or shower].
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308 + P316	If exposed or concerned: Get emergency medical help immediately.
P316	Get emergency medical help immediately.
P321	Specific treatment (see first aid treatment on this SDS).
P330	Rinse mouth.
P361 + P364	Take off immediately all contaminated clothing and wash it before reuse.
P391	Collect spillage.
P370+ P378	In case of fire: Use alcohol resistance foam to extinguish.

**Storage -**

Statement Number	Precautionary Statement
P403+ P233+ P235	Store in a well ventilated place. Keep container tightly closed, Keep cool.
P405	Store locked up.

**Disposal -**

Statement Number	Precautionary Statement
P501	Empty all pesticides from the container by placing it upside down over the spray tank and holding it there for at least 30 seconds. Puncture the rinsed container to render it useless and send to a recycler.

**Other Hazards**

None Known.

**SECTION 3: Composition/Information on Ingredients**

**Mixture**

<b>Common Name:</b>	Oxamyl
<b>IUPAC/Chemical Name:</b>	methyl (1Z)-2-(dimethylamino)-N-(methylcarbamoyloxy)-2-oxoethanimidothioate
<b>Chemical Family:</b>	C <sub>7</sub> H <sub>13</sub> N <sub>3</sub> O <sub>3</sub> S
<b>Formulation:</b>	Oxamyl 310 g/L

**Ingredients with Hazard Concerns (GHS)**

According to UN GHS criteria.

Hazardous Component	CAS Number	Weight - %	GHS Classification
Methanol	67-56-1	30-60	Flammable liquid 2 Acute Tox. Oral 3 Acute Tox. Dermal 3 Acute Tox. Inhalation 3 STOT Single Exp. 1
Oxamyl Tech 95%	23135-22-0	30-60	Acute Tox. Oral 2 Acute Tox. Dermal 4 Acute Tox. Inhalation 2 Aquatic Chronic 2
Phosphoric Acid	7664-38-2	<10	Met. Corr. 1 Acute Tox. Oral 4 Skin Corr. 1B Eye Dam. 1

**NOTE:** There are no other ingredients present according to the current knowledge of the supplier (considering their concentrations present in the product) that are classified as hazardous to health or the environment and that cause/contribute to the correct GHS classification of this Product. These ingredients are therefore, in terms of the South African Hazardous Chemical Agent Regulations 2021; Regulation 14(b), not listed.

**SECTION 4: First-Aid Measures****Description of First-aid Measures**

<b>General Advice</b>	The symptoms resulting from direct exposure to the product could appear a while after exposure. If persistent discomfort, seek medical attention. Provide this SDS to medical personnel for treatment. Immediately remove contaminated clothing and remove the affected person from the contamination area. Keep the person warm, calm and covered up. First Aid personnel should pay attention to their own safety.
<b>Eye Contact</b>	Flush eyes with water as a precaution.
<b>Skin Contact</b>	Remove all contaminated clothing and shoes. Rinse the skin immediately with plenty of water for 15 to 20 minutes under the safety shower. Contact a poison control centre or medical practitioner if irritation occurs or persists. Wash contaminated clothing before re-use.
<b>Inhalation</b>	Immediately remove the affected victim from exposure to an area with fresh air. If breathing is difficult have qualified personnel administer oxygen. If breathing has stopped, administer artificial respiration. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Obtain immediate medical attention.
<b>Ingestion</b>	Obtain immediate medical attention - call a poison control centre or medical practitioner immediately 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, rinse mouth and administer more water.
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**Most important symptoms/effects, acute and delayed**

Symptoms of exposure to the product include: Headache, fatigue, faintness, giddiness, excessive sweating, nausea, abdominal pains, vomiting, blurred vision, muscle twitching, unusually small pupils, respiratory distress, coma.

**Indication of any immediate medical attention and special treatment needed**

**Notes to physician:** Administer Atropine sulphate intravenously (1, 2 – 2, 0 mg/adult) every 10 – 30 minutes until signs of atropinisation (dry flushed skin and tachycardia) appear. Maintain atropinisation until the patient recovers.

**Specific treatments:** Treat symptomatically and specific.

**SECTION 5: Firefighting Measures**

<b>Suitable (and unsuitable) extinguishing media</b>	For small fires, use carbon dioxide, dry chemical, alcohol resistant foam, or water spray. Do not use water jets.
<b>Specific hazards arising from the chemical including thermal decomposition products</b>	Fires involving the product may produce irritating or poisonous vapour, mists or other products of combustion.
<b>Special protective equipment and precautions for fire-fighters</b>	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.
<b>Additional provisions</b>	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.

**SECTION 6: Accidental Release Measures**

**Personal precautions, protective equipment, and emergency procedures**

Do not breathe in dust/fumes/vapour and avoid contact with eyes, skin and clothes. Ventilate the area of the spill or leak, especially when in confined areas. Do not touch or walk through spilled material as 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).

**Methods for cleaning up**

**For small spills,** Soak up with damp earth or sand, or other non-Combustible absorbent material. Place into a labelled waste container subsequent reclamation or disposal. Keep the wash water out of drains, sewers and waterways.

**For large spills,** contain the spillage with absorbent material (non-combustible for flammable products). Sweep up with absorbent material, contain and collect spilt product in suitable containers for proper disposal. Keep the wash water out of drains, sewers and waterways.

#### **Reference to other 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.

## **SECTION 7: Handling and Storage**

### **Precautions for safe handling**

Do not return product residues to the storage containers. Always provide good ventilation in the work area. Prevent contact with eyes, skin and clothing. Do not breathe in dust/vapours/spray mists. 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.

### **Conditions for safe storage, including any incompatibilities**

The entrance to storage facilities should be granted only to appropriately trained personnel. Always store locked up and keep containers tightly closed when not in use. 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. Store below 30°C for a maximum of 36 months in the original containers.

Keep out of reach of children, uninformed persons and animals. Protect containers from physical damage and check the condition of storage containers periodically. Do not contaminate water, food, or feed by storage or disposal.

Avoid cross contamination with other agricultural products.

Avoid sources of heat, radiation, static electricity.

It is recommended to have appropriate spill control kits equipped with absorbent material in close proximity to storage areas (see Section 6).

### **Specific end use(s)**

Except for the instructions already specified in this Section, it is not necessary to provide any special recommendation regarding the uses of this product.

## **SECTION 8: Exposure Controls and Personal Protection**

### **Occupational exposure limits – Restricted limits for hazardous chemical agents.**

<b>Component</b>	<b>Type</b>	<b>Control Parameter</b>	<b>Update</b>	<b>Basis</b>
Methanol	OEL-eight hour TWA	400 ppm	2021	South African RELs*

	OEL- STEL/C	500 ppm	2021	South African RELS*
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\*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. Peak airborne concentration determined over the shortest analytically practicable period of time, which does not exceed 15 minutes.

**National Biological Exposure Indices (BEIs) for hazardous chemical agents.**

Component	Sample Matrix	Sample Time	Value
Methanol	Urine	End of shift	15 mg/L

**Appropriate engineering controls**

Good general ventilation should be sufficient to maintain airborne concentrations and exposure below occupational exposure limits.

**Personal Protective Equipment**

<b>Respiratory Protection:</b>	Respiratory protection selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Use a properly fitted and well-maintained particulate filter respirator, complying with an approved standard. Respirator selection and use should be based on contaminant type, form and concentration. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.
<b>Skin and Hand Protection:</b>	Select skin and hand protection based on the task being performed and the risks involved with the task. The gloves should be replaced immediately in case of damage or signs of wear. The personal protective clothing must be properly fitted and well maintained.
<b>Eye/Face Protection:</b>	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, gases or dusts. Use safety glasses, but where contact with the liquid is likely, tightly fitting splash resistant safety goggles are recommended. For toxic substances (oral and inhalation): Full face respirator. For toxic substances (dermal): Splash resistant safety goggles and a face shield are recommended if a full face respirator is not used.
<b>General Safety and Hygiene Measures:</b>	Handle the product in accordance with good industrial hygiene and safety practice. An eye wash fountains, and safety showers should be available and easily accessible. Avoid contact with the skin, eyes and clothing and immediately remove all contaminated clothing. Do not breathe vapour. 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.

## SECTION 9: Physical and Chemical Properties

Data applicable to mixture

<b>Appearance</b>	Appearance/physical state	Liquid
	Odour characteristics	Slight/mild chemical odour
	Colour	Green
<b>Volatility</b>	Boiling point (°C)	Not Applicable
	Vapour pressure (Pa)	0.018 @ 20°C
	Evaporation Rate at 20 °C	Not Applicable
<b>Product Description</b>	Relative density (kg/m <sup>3</sup> , relative density of water =1)	1.01 mg/l @ 20°C
	Solubility in water (g/100mL)	Not Applicable
	Decomposition temperature (°C)	Not Applicable
	Melting point/freezing point (°C)	Not Applicable
	pH	3.57
	Particle characteristics	Not Applicable
<b>Flammability</b>	Flammable (Y/N)	Yes
	Flash point (°C)	Not measured
	Flammable limits-LEL	Not measured
	Auto-ignition Temperature (°C)	Not measured

\*Not relevant due to the nature of the product, not providing information property of its hazards.

### Other Hazard Information

None known.

## SECTION 10: STABILITY AND REACTIVITY

### Reactivity

The product is stable under normal conditions.

### Chemical Stability

Stable under normal ambient conditions of use, storage and transport.

### Possibility of Hazardous Reactions

None known under conditions of normal use.

### Conditions to Avoid

Avoid extreme temperatures (>50°C). Keep away from heat and ignition sources.

### Incompatible Materials

Incompatible with: Avoid strong oxidizing agents and acids.



### Hazardous Decomposition Products

Toxic oxides of carbon and nitrogen and corrosive fumes of chlorides.

## SECTION 11: Toxicological Information

### Information on likely routes of exposure

#### Toxicokinetics, metabolism and distribution:

Non-human toxicological data: No Information available.

Method: No Information available.

Dosage: No Information available.

Routes of administration: No Information available.

Results: No Information available.

Absorption: No Information available.

Distribution: No Information available.

Metabolism: No Information available.

#### Information on toxicological effects

##### Acute Oral toxicity:

Methanol: 2528 mg/kg bw. Oxamyl Tech: 2.5 mg/kg.

LD<sub>50</sub> (calculated): 8.26 mg/l for rats. Category 2

##### Acute Dermal toxicity:

Methanol: 17 100 mg/kg bw. Oxamyl Tech: 2000 mg/kg.

LD<sub>50</sub> (calculated): 706.1 mg/L for rats. Category 3

##### Acute Inhalation toxicity:

Methanol: 43.68 mg/kg bw. Oxamyl Tech: 0.12 mg/kg.

LD<sub>50</sub> (calculated): 0.312 mg/l for rats. Category 2

Skin corrosion/irritation: Does not meet the GHS Classification criteria.

Serious eye damage/irritation: Does not meet the GHS Classification criteria.

Respiratory or skin sensitization: Does not meet the GHS Classification criteria.

Germ cell mutagenicity: Does not meet the GHS Classification criteria.

Carcinogenicity: Does not meet the GHS Classification criteria.

Reproductive toxicity: Does not meet the GHS Classification criteria.

##### STOT-single exposure: Methanol

Danger! According to the harmonised classification and labelling (CLP00) approved by the European Union, this substance causes damage to Organs. Category 1.

STOT-repeated exposure: Does not meet the GHS Classification criteria.

Aspiration hazard: Does not meet the GHS Classification criteria.

#### Symptoms related to the physical, chemical, and toxicological characteristics.

Headache, fatigue, faintness, giddiness, excessive sweating, nausea, abdominal pains, vomiting, blurred vision, muscle twitching, unusually small pupils, respiratory distress, coma.

## SECTION 12: Ecological Information

#### Ecotoxicity

Short-term (Acute) hazard Aquatic: Does not meet the GHS Classification criteria

Long-term (Chronic) hazard Aquatic: Oxamyl Tech 95%.

Danger! According to the harmonised classification and labelling (CLP00) approved by the European Union, this substance is toxic to aquatic life with long lasting effects.

Category 2.

Bio-degradability in the aquatic environment: No information available.  
 Crustaceans - Daphnia 21-day (mg/L): 50.2 PPB ( 21 days for water flea).  
 Fish (mg/L): 1.5 PPM ( 61 days for rainbow trout).  
 Algae and Aquatic Plants (mg/L): 30 PPM ( 14 days for Duckweed).

**Toxicity to other species:** Oxamyl Tech 95%

Birds: 766 mg/kg (8 day dietary) Bobwhite Quail  
           :340 mg/kg (5 day dietary) Mallard duck  
           :> 5620 mg/kg (5 day dietary) Bobwhite Quail  
 Earthworms: 10000 mg/kg dw (Eisenia anderi for 63 days)  
 Soil Microorganisms: 10 000 mg/kg soil dw.

**Other Environmental and Adverse Effects:**

**Persistence and Degradability:**

Readily Biodegradable.

**Bioaccumulative Potential:**

Bioaccumulate is unlikely.

**Mobility in Soil:**

No information available.

**Other Adverse Effects:**

None Known

**SECTION 13: Disposal Considerations**

**Waste handling and disposal**









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. The product container/bags may be taken to a registered waste disposal site or incineration plant.

**General container handling**

Empty all pesticides from the container by placing it upside down over the spray tank and holding it there for at least 30 seconds. Puncture the rinsed container to render it useless and send to a recycler.

**SECTION 14: Transport Information**

	<b>Land Transport (ADR/RID)</b>	<b>Inland Waterways (AND/ADNR)</b>	<b>See Transport (IMDG)</b>	<b>Air Transport (ICAO-TI/IATA-DGR)</b>
<b>UN Number</b>	2991	2991	2991	2991
<b>UN Proper Shipping Name</b>	CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, FLASH POINT 23°C (CONTAINS OXAMYL TECH 95%)	CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, FLASH POINT 23°C (CONTAINS OXAMYL TECH 95%)	CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, FLASH POINT 23°C (CONTAINS OXAMYL TECH 95%)	CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, FLASH POINT 23°C (CONTAINS OXAMYL TECH 95%)
<b>Transport Hazard Class</b>	6.1	6.1	6.1	6.1

<b>Transport Hazard Class Pictogram</b>				
<b>Transport Subsidiary Class</b>	3	3	3	3
<b>Packaging Group</b>	III	III	III	III
<b>Environmental Hazard</b>				

## SECTION 15: Regulatory Information

### Safety, health and environmental regulations/legislation for the mixture.

#### South Africa

Regulations for Hazardous Chemical Agents – 2021 – SA Occupational Health and Safety Act. - Handling, labelling and Safety Data Sheets for hazardous and GHS classified substances and mixtures. Occupational Exposure Limits.

Hazardous Substances Act, 1973 (Act No.15 of 1973) - 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 Act No. 85 of 1993.- Occupational Health and Safety Standards for employers and users working with and around hazardous chemical substances.

National Road Traffic Act, 1996 (ACT NO. 93 of 1996). - The identification and classification of dangerous goods for transport by road and rail modes.

#### Botswana

Pesticides and Toxic Substances Regulations. 1994 (2006) - Control and management of pesticides and other toxic substances.

Environmental and Pollution Control Act. 1990 - Hazardous waste disposal, hazardous substances, pesticides and effluent waste water/discharge.

#### Namibia

Labour Act 11 of 2007 - Hazardous substances classification, labelling, Chemical Safety Data Sheets and Occupational Exposure Limits. Notification of the use of carcinogens and other controlled substances.

Regulations relating to the Health and Safety of Employees at Work Government Notice 156 of 1997. Labour Act 11 of 2007 schedule, item 2(2). - Occupational Health and Safety Standards for employers and users working with and around hazardous chemical substances.

## SECTION 16: Other Information

### Indication of changes

Alignment to the GHS.

**Relevant classification and H-Statements (Number and full text):**

Flammable Liquids- Category 2  
H225: Highly flammable liquid and vapour.

Acute Toxicity; Oral- Category 2  
H300: Fatal if swallowed.

Acute Toxicity; Dermal- Category 3  
H311: Toxic in contact with skin.

Acute Toxicity; Inhalation- Category 2  
H330: Fatal if inhaled.

Specific Target Organ Toxicity, Single Exposure- Category 1  
H370: Causes damage to organs.

Hazardous to the aquatic environment, long-term hazards- Category 1  
H411: Toxic to aquatic life with long lasting effects.

**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
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 <sub>POW</sub>	Logarithm of the octanol/water partition coefficient
LD50	Lethal Dose 50
LC50	Lethal Concentration 50
RID	The Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
UN	United Nations

**Notice to Reader**

The information contained in this Safety Data Sheet relate only to the specific product and do not relate to the use of the product in combination with any other product or process. Information in the SDS is supplied to the best of ROLFES AGRI (PTY) LTD's knowledge and are believed to be current and correct as of the date on this SDS. All reasonable efforts were exercised to compile this SDS in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

The SDS only provides information applicable to the health, safety and environmental hazards of this product at the date of issue in order to facilitate the safe use, handling, storage and transport of this product and does not replace any product information or product specifications.

It is not possible for ROLFES AGRI (PTY) LTD to anticipate or control all conditions under which this product may be used, handled, stored or transported. The obligation of the user, receiver, handler or transporter remains to review the content of the SDS prior to potentially exposing persons/employees to the product and to consider any risks that may associated

with the hazards of the product during use, handlings, storage or transportation. Appropriate health, safety and environmental protection risk mitigating measures must be in place and such information must be communicated to all persons that might be involved with and exposed to this product.

**Disclaimer**

**ROLFES AGRI Proprietary Limited provides the information contained herein in good faith, however, the information and recommendations are presented without warrant, representation or license of any kind, expressed or implied, with respect to the accuracy, correctness or its comprehensiveness, or assume any liability for incomplete information contained herein or any advice given. The seller, supplier and manufacturer of the material and their respective affiliates (collectively, the "supplier") disclaim all liability for reliance on such information and recommendations.**

**This document is intended only as a guide to the appropriate precautionary handling and use of the product by a properly trained person. Individuals receiving the information must exercise their independent judgement in determining its appropriateness for a particular purpose. When this product is sold, risk passes to the purchaser in accordance with the specific terms and conditions of sale.**

**Accordingly, Rolfes Agri Proprietary Limited will not be responsible for damages resulting from use or reliance upon this information.**

**END OF SAFETY DATA SHEET**