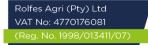
#### WWW.ROLFESAGRI.CO.ZA





# SAFETY DATA SHEET

# **1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Name: SI	ULFOMAXX
Other identifier: S	ULFOMAXX
Recommended use	: Fungicide and acaricide
Restrictions on use	: Agriculture and Home Garden
Supplier	Rolfes Agri (Pty) Ltd
	288 Mundt Street
,	Waltloo
	Pretoria, South Africa
Telephone:	+27(0)12 803 0145
E-mail Address:	nfo@rolfesagri.co.za
<b>Emergency Phone</b>	Numbers:
Office hour poisoning	ng helpline
Rolfes Agri (Pty) Ltd	+27 (12) 803 0145
Spill Response and	Transport Incidents
Spill Tech, 086 100 0	0366, www.spilltech.co.za
Oil and chemical pollu	ution control 083 253 6618
2. HAZARDS IDENT	IFICATION

#### South Africa - GHS classification and labelling of chemicals and the Regulations for Hazardous Chemical Agents - 2021. Hazard class Hazard category **H-statement** Health Category 2 H315 Skin Corrosion/ Irritant Serious Eye Category 2 H319 Damage/ Eye irritation Specific Target Category 2 H373 Organ Toxicity, Repeated Exposure

#### The most important adverse effects: Physiochemical effects: None known.

## Human health effects:

Causes serious eye damage. May damage fertility or the unborn child.

## **Pictograms:**



Toxicity:

Signal word: WARNING
<b>Hazard statements:</b> H315: Causes skin irritation. H319: Causes serious eye irritation.
H373: May cause damage to organs through prolonged or repeated exposure. <b>Precautionary statements:</b>
P101: If medical advice is needed, have container or label at hand. P102: Keep out of reach of children.
<ul> <li>P103: Read carefully and follow all instructions.</li> <li>P260: Do not breathe dust/fumes/gas/mist/vapours/spray.</li> <li>P264 + P265: Wash hands and affected area thoroughly after handling. Do not touch eyes.</li> <li>P280: Wear eye protection/face protection and protective</li> </ul>
gloves. P302 + P352 IF ON SKIN: Wash with plenty of water. P305 + P351 + P338IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P319 Get medical help if you feel unwell. P321 Specific treatment (see first aid on this label). P332 + P317 If skin irritation occurs: Get medical help. P337 + P317 If eye irritation persists: Get medical help. P362 + P364 Take off contaminated clothing and wash before reuse.
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 (South Africa).
Special labelling of certain mixtures: None known. Other hazards: None known.

# Classification according to GHS: Not classified.

# 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients with Hazard Concerns (GHS): According to UN GHS criteria

Hazardous Component	CAS Number	Conc. (m/v) %	GHS Classification
Monoethylen e Glycol	107-21-1	10 to 30 %	Acute Tox. 4 - Oral STOT Rep. Exp. 2
Sodium Poly Acrylate	119432- 41-6	10 to 30 %	Eye Irrit. 2 Aquatic Chronic 3
Polyalkyl naphtalene sulphonate	81065- 51-2	10 to 30 %	Eye Irritation 1 Acute aquatic 3
Sulfur	7704-34- 9	>60 %	Skin Irrit. 2

**NOTE:** There are no other ingredients present according to the current knowledge of the supplier (condisering their concentrations present in the product) that are classified as hazardous to health or the environment and that cause/con tribute 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.

# 4. FIRST AID MEASURES

**General Advice:** The symptoms resulting from direct exposure to the product could appear a while after exposure. If there is 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.

**Eye contact:** Flush eyes immediately with large amounts of flowing cold water for 15-20 minutes, until no evidence of chemical remains. If irritation persists, get medical help.

**Skin contact:** Remove all contaminated clothing and shoes. Gently wipe off residual chemical and wash skin thoroughly with non-abrasive soap. If irritation persists, get medical help.

**Inhalation:** Remove the affected victim from exposure to an area with fresh air. If breathing has stopped, administer 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.

**Ingestion:** 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.

# Most important symptoms/effects, acute and delayed:

Symptoms of exposure to the product include eye irritation, skin irritation.

**Notes to physician:** In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments: Treat symptomatically.

# **5. FIRE FIGHTING MEASURES**

# Suitable (and unsuitable) extinguishing media:

Use carbon dioxide, dry chemical for small fires and alcohol resistant foam or water fog for large fires. Do not use water jets.

**Specific hazards arising from the chemical including thermal decomposition products:** Fires involving the product may produce irritating or poisonous smoke, or other products of combustion. Closed containers may explode form vapour expansion in high heat.

**Special protective equipment and precautions for firefighters:** Firefighters must wear emergency equipment including positive pressure self-contained breathing apparatus with a full-face mask. Remove unaffected containers from fire area if possible.

Additional provisions: 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.

# 6. ACCIDENTAL RELEASE MEASURES

# Personal precautions, protective equipment, and emergency procedures:

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 absorbert material (non-combustible for tiansmable product). Sweep for proper disposal. Keep the product in subbalable containers for proper disposal. Keep the spitce of other sections: Cells the compared and the spitce other sections: See Section 16 or entergency contact information. See Section 16 or entergency contact information. See Section 13 for additional waste treatment information. See Section 13 for additional waste treatment information.       RetL: Recommended Exposure Limit. OEL-eight hour TWA: Occupational Exposure containers and exposure limit /Ceiling limit. Peak airborne concentrations and exposure bind controls: Coordinate of the shortest analytically practicable period of time, which does not exceed 16 minutes.         7. HANDLING AND STORAGE REQUIREMENTS       Precautions for safe handling       Appropriate engineering controls: Coordination on appropriate personal determined over the shortest analytically practicable period of time, which does not exceed 16 minutes.         7. HANDLING KON STORAGE REQUIREMENTS       PERSONAL PROTECTIVE EQUIPMENT: Respiratory protection selection and uses on taking the social for handling. Agen containers to short and the safe containers and every showers and every initia data and the use is shore in a coord, yra dwell-ventilated approved transmided.         Conditions for safe storage, including any inclusive storage areas. Locate emergency conditions, use an approved standard. Respiratory protection: Select sign and hand protective elevels in advellating apparatus.         Always store locked up and keep containers tightly closed in the working anding apparatus.       Skin and Hand Protection: Select sign and hand protective elevels and protective conting and industs. De on the askis and proteclot containers tightly closed in the ask b	<b>_</b> .					
up with absorbent material, contain and collect spit       OEL-gright hour TWA:       Occupational Exposure Limits-         Product in sublable containers for proper disposal. Keep the water out of drains, sewers and waterways.       Time Weighted Average. Calculated over an eight-hour working day, for a five-day working week.       OEL-gright hour TWA:       Occupational Exposure Limit, - short Term Exposure Limit. Claing Limit. Peak airborne concentration determined over the shortest analytically practicable period of time, which does not exceed 15 minutes.         See Section 1 for emergency contact information.       ThanDLING AND STORAGE REQUIREMENTS       Cood general ventilation should be sufficient to maintain airbore concentrations and exposure below occupational exposure below occupational exposure below occupational exposure below occupational exposure limits.         Prescutions for safe handling       Always provide good ventilation in the work area. Prevent contact with eyes, skin and dothing. Do not be rate more on time use. Do not perint smoking in use of the product is usedhanded.       PERSONAL PROTECTIVE EQUIPMENT:         Respiratory protective clothing and equipment during hading ace described in Section 6 of the SDS.       Do not exit or hands and face the working limits of ood mmu sed on known or anticipated exposure levels, the haditation type, form and concentration.         Ronditions for safe storage, including any incompatibilities       Always store locked up and keep containers tighty closed when not in use. Store in a cool, dy and well-weintilate place, out of first sunight. Check storage containers from physical disposal.       Skin and Hand Protection: Select slafely eye/face protection elabore should be exailable						
product in suitable containers for proper disposal. Keep the working day, for a five-day working week.       Time Weighted Average. Calculated over an eight-hour working day, for a five-day working week.         Reference to other sections:       See Section 1 for emergency contact information.         See Section 8 for information on appropriate personal protective equipment.       See Section 1 for additional waste treatment information atomic over the shortest analytically practicable period determined over the shortest analytically practicable period of time, which does not exceed 15 minutes.         Appropriate engineering controls:       Cond general ventilation should be explored to maintain airborm concentrations and exposure below occupational exposure limits.         Always provide good ventilation in the work area. Prevent contact with eyes, skin and clothing. Do not breathe in dust: Wear protective clothing and equipment during handing as described in Section 8 of the SDS.       PERSONAL PROTECTIVE EOUIPMENT: Respiratory protection: Respiratory protection selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of throorughily with scoap after handling. Keep containers industrial hygiene and housekeeping practices in areas where the product is usedhandled.       PERSONAL PROTECTIVE EOUIPMENT: Respiratory protection: Select safe and use should be saded on contaminant type, form and concentration. For emergency conditions, use a approved positive- pressure self-contained breathing apparatus.         Always store locked up and keep containers regularly for lacks and protect containers from physical the use. Store in a cool, dry and vell-weitight place.       Select safer vellaweitight and the respiratory and at the erest	· · · · · · · · · · · · · · · · · · ·				, i	
wash water out of drains, sewers and waterivays.         working day, for a five-day working week.           Reference to other sections:         See Section 1 for emergency contact information.           See Section 1 for emergency contact information.         See Section 1 for emergency contact information.           See Section 1 for sefective equipment.         See Section 1 for emergency contact information.           7. HANDLING AND STORAGE REQUIREMENTS         Good general ventilation should be sufficient to maintain airbore concentrations and exposure below occupational e						
Reference to other sections:       OCEL-STEL/C:Occupational Exposure Limit – short Term         See Section 8 for information on appropriate personal protective equipment.       See Section 15 or additional waste treatment information.         See Section 15 for additional waste treatment information.       Construct Constructions and exposure below occupational exposure format data exposure below occupational exposure b	product in suitable containers for proper disposal. Keep the					0 0
See Section 1 for emergency contact information.       Exposure Limit / Ceiling Limit, Peak airborne concentration determined over the shortest analytically practicable period of time, which does not exceed 15 minutes.         See Section 13 for additional waste treatment information.       Appropriate engineering controls:         Control 14 for additional waste treatment information.       Appropriate engineering controls:         Control 14 for additional waste treatment information.       Appropriate engineering controls:         Control 14 for additional waste treatment information.       Appropriate engineering controls:         Contact with eyes, skin and clothing. Do not perior torking use. Wash the hands and face tor drink during use. Wash the hands and face tor drink during use. Wash the hands and face tor ordink during use. Wash the hands and face torking and not not in use. Do not perior the working in use or storage areas. Locate emergency showers and eye-rinsing facility near the work/handling area. Maintain good normatification for safe storage, including any incompatibilities.         Conditions for safe storage, including any incompatibilities       Skin and thand protection: Select skin and hand protection based on the task being performed and the risks involved with the task. The gloves should be replaced invection based on the task being performed and the risks involved with the task. The gloves should be replaced invection based on the task being performed and the risks involved with the task. The gloves should be replaced invection based on the task being performed and the risks involved with the task. Wear tightly fitted and well-maintained safety eyefface Protection: Select safety eyefface protection: Select safety eyefface protection contain store fo	wash water	out of drains	s, sewers and	d waterway	/S.	working day, for a five-day working week.
See Section 8 for information on appropriate personal protective equipment.       determined over the shortest analytically practicable period of time, which does not exceed 15 minutes.         Zee Section 13 for additional waste treatment information.       Charlen Strate analytically practicable period of time, which does not exceed 15 minutes.         Zee Section 13 for additional waste treatment information.       Charlen Strate analytically practicable period of time, which does not exceed 15 minutes.         Zee Section 13 for additional waste treatment information.       Charlen Strate analytically practicable period of time, which does not exceed 15 minutes.         Zee Section 3 for additional waste treatment information.       Charlen Strate analytically practicable period of time, which does not exceed 15 minutes.         Precautions for safe handling       Charlen Strate analytically practicable period of time, which does not exceed 15 minutes.         Do not eat or drink during use. Wash the hands and face thoroughy with soap after handling, cheep container to broroughy with soap after handling. Keep container strate develop in the safe working limits of on and use should be based on contaminant type, form and concentration.         Conditions for safe storage, including any incompatibilities.       Conditions, use a approved positive-pressure self-contained breathing apparatus.         Stin and Hand Protection: Select safety eye/face protection based on the task being performed and the risks involved with the task. The gloves should be available and easily accessible.         Amays store locked up and keep containers from physical tare submered and the risks involved with the	<b>Reference</b> f	to other sec	ctions:			OEL-STEL/C: Occupational Exposure Limit – short Term
See Section 8 for information on appropriate personal protective equipment.       determined over the shortest analytically practicable period of time, which does not exceed 15 minutes.         Zee Section 13 for additional waste treatment information.       Contact with eyes, skin and clothing. Do not breathe in dust. Wear protective clothing and equipment during handling acteschied in Section 8 of the SDS.       Contact with eyes, skin and clothing. Do not breathe in dust. Wear protective clothing and equipment during the saceschied in Section 8 of the SDS.       PERSONAL PROTECTIVE EQUIPMENT:         Do not eat or drink during use. Wash the hands and face thoroughly with soap after handling. Ckeep containers to storage areas. Locate emergency showers and eye-rinsing indicatil hygiene and housekeeping practices in areas industrial hygiene and housekeeping practices in areas incoduct is usedhandled.       PERSONAL PROTECTIVE EQUIPMENT: must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the safe working appravatus.         Conditions for safe storage, including any incompatibilities       Almays store locked up and keep containers fightly closed when not in use. Store in a contiginal container, avoid crose eff-contained breathing apparatus.       Skin and Hand Protection: Select safety eyeface protection based on the task being performed and the risks involved with the task. The glowes should be available and easily accessible.         Amays store locked up and keep containers from physical transminut, then, uninformed persons, and animals. Do core in the original container, avoid crose proximity to storage areas (see Section 6).       Sperific end use(s) <td>See Section</td> <td>1 for emerg</td> <td>gency contac</td> <td>t informatio</td> <td>on.</td> <td>Exposure Limit /Ceiling Limit. Peak airborne concentration</td>	See Section	1 for emerg	gency contac	t informatio	on.	Exposure Limit /Ceiling Limit. Peak airborne concentration
protective equipment.       of any additional waste treatment information.         7. HANDLING AND STORAGE REQUIREMENTS         Always provide good ventilation in the work area. Prevention contark with eyes, skin and clothing. Do not breath is additional waste treatment during handling as described in Section 8 of the SDS.         Do not at or dinik during use. Wash the hands and face throughly with scap after handling. Keep containers is the sace of nown or anticipated exposure levels, the hazards of the product and the safe working limits of the safe and work or anticipated exposure levels, the hazards of the product and the safe working limits of the safe at nown or anticipated exposure levels, the hazards of the product and the safe working limits of the safe on containment type, form and concentration. For emergency conditions, to safe storage, including any lincompatibilities         Always store locked up and keep containers tightly closed when not in use. Store in a cool, dry and well-ventilated.         Conditions for safe storage, including any lincompatibilities         Always store locked up and keep containers form physical damage. Store in the original containers from physical damage. Store in the original container, avoid cross of closed when not in use. Store in a cool, dry and well-ventilated.         Specific end use(s)         Use as directed. Use original container.         Storage containers         Storage containers form physical traits:         Markey store in the original container.         Specific end use(s)         Use as directed. Use original container.         Storage areas (see Secti	See Section	n 8 for info	ormation on	appropria	te personal	
See Section 13 for additional waste treatment information.         Appropriate engineering controls:           7. HANDLING AND STORAGE REQUIREMENTS         Good general ventiliation should be sufficient to maintain airborne concentrations and exposure below occupational exposure limits.           Precautions for safe handling         Always provide good ventilation in the work area. Prevent contact with eyes, skin and clothing. Do not breathe in participate deposition in dust wear protective clothing and equipment during barding as described in Section 8 of the SDS. Do not permit smoking in use of thoroughly with soap after handling, Keep containers to storage areas. Locate emergency showers and eye-mising tacilulate filter respirator, complying with an approved standard. Respirator selection and use should be based on contaminant type, form and concentration, use an approved positive-pressure self-contained breathing aparatus.           Conditions for safe storage, including any incompatibilities         Skin and Hand Protection: Select skin and hand protection based on the task being performed and the risks involved with the task. The gloves should be replaced to their dirent, uninformed persons, and animals.           Always provide uses (Sol use and protect containers from physical trainer, avoid craye area (see Section 6).         Specific end use(s)           Specific end use(s)         Use a storage area (see Section 6).         Specific end use(s)           Use as directed. Use original container.         Specific end use(s)         Specific end use(s)           Use as directed. Use original container.         Specific end use(s)         Speroved tobaver should be available and easily accessible. Wash the					•	
7. HANDLING AND STORAGE REQUIREMENTS       Good general vanilation should be sufficient to maintain airbome concentrations and exposure below occupational exposure below occupational exposure below occupational exposure lows.         Precautions for safe handling       Aways provide good ventilation in the work area. Prevent contact with eyes, skin and clothing. Do not breath the hards and face in dust. Wear protective clothing and equipment during handling as described in Section 8 of the SDS.       Do not eart of rink during use. Wash the hands and face it horoughly with soap after handling. Keep containers distinged particulate filter respirator. Use a properly fitted and well-finisted particulate filter respirator, complying with an approved standard. Respirator selection and use should be based on contaminant type, form and concentration. Industrial hygiene and housekkeeping practices in areas do no the task being performed and the risks involved with the task. The gloves should be replaced involved with the task. The gloves should be replaced involved with the task. The gloves should be replaced involved with the task. The gloves should be replaced involved with the task. The gloves should be replaced involved with the task. The gloves should be replaced involved with the task. The gloves should be replaced involved with the task. The gloves should be replaced involved with the task. The gloves should be replaced involved with the task. Wear tightly fitted and well-maintained safety evertees: Wash the hands and/or face before breaks, eating, smoking, or using the lavatory and at the equipped with absorbent material in close proximity to storage areas (see Section 6).         8. EXPOSURE CONTROL / PERSONAL PROTECTION       Appearance/physical state: Suspension Odour: Yeingem Mash, Not exportion Take: Not applicable.         Not applicable.       OEL - N/A			tional waste t	reatment i	nformation.	
Precautions for safe handling       ait/come concentrations and exposure below occupational exposure lowed schemater lowed with eyes, skin and clothing. Do not breathe in dust, wear protective clothing and equipment during 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 container store lowed standard. Respiratory protection and use should be based on known or anticipated exposure levels, the haradis graze at emergency showers and eye-rinsing in use or storage areas. Locate emergency showers and eye-rinsing in use or storage areas. Locate emergency showers and eye-rinsing in use of storage areas to active during the avelochandled.       PERSONAL PROTECTIVE EQUIPMENT:         Respiratory protection: Respiratory protection selection must be based on known or anticipated exposure levels, the haradis graze wate the safe work/handling area. Maintain good normal industrial hygiene and housekeeping practices in areas where the product is used/handled.       PERSONAL PROTECTIVE EQUIPMENT:         Respiratory protection: Select skin, and hand protection based on contaminant type, form and concentration. For emergency conditions, use an approved positive-pressure selected respirator. Select skin, and hand protection based on the task being performed and the risks involved with the task. The gloves should be replaced inmediately in case of damage or signs of wear. The gloves should be replaced information with other agricultural products. Keep ontainers from physical disposal.         It is recommended to have appropriate spill control kits equipped with absorbent material in close proximity to storage area (see Section 6). Specific end use(s):       Specific end use(s):       Specific end use(s):         SexPOSURE CONTROL / PERSONAL PROTECTION National Occupa						
Precautions for safe handling       exposure limits.         Always provide good ventiliation in the work area. Prevent dust. Wear protective clothing and equipment during handling as described in Section 8 of the SDS.       PERSONAL PROTECTIVE EQUIPMENT:         Do not eat or drink during use. Wash the hands and face thoroughly with scap after handling. Keep containers of storage areas. Locate emergency showers and eye-rinsing facility near the work/handling area. Maintain good nutrating deparator.       PERSONAL PROTECTIVE EQUIPMENT:         Respiratory protection: Respiratory protection solection and the safe working limits of the salected respirator. Use a property fitted and well- maintained particulate filter respirator, complying with an approved standard. Respiratory solection and use should the salect on contaminant type, form and concentration.         Conditions for safe storage, including any incompatibilities       Naways store in a cool, dry and well-ventilated place, out of direct sunlight. Check storage containers regularly for leaks and protect containers from physic ontaminate water, food, or feed by storage or isposal.       Skin and Hand Protection: Select safety eye/face protection immediately in case of damage or signs of wear. The personal protective clothing must be inporterioned and the risks involved with the task. Wear tightly fitted and well-maintained.         It is recommended to have appropriate spill controliner.       Specific end use(5): Use as directed. Use original container.         Specific end use(5): Use as directed. Use original container.       9. PHYSICAL AND CHEMICAL PROPERTIES         Appearance/physical state: Suspension Oduci: Pungent doduri. Component       Ma/A       2021 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
Always provide good ventilation in the work area. Prevent contact with eyes, skin and clothing. Do not breathe in handling as described in Section 8 of the SDS.       PERSONAL PROTECTIVE EQUIPMENT: Respiratory protection: Respiratory protection selection must be based on known or anticipated exposure levels, the bazards of the product and the safe working limits of 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-information industrial hygiene and housekeeping practices in areas where the product is usefunding area. Maintain good normal industrial hygiene and housekeeping practices in areas where the product is usefunding any incompatibilities       Skin and Hand Protection: Select skin and hand proved 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.         Skin and Hand Protection: 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.         Always store locked up and keep containers regularly for leaks and protect containers, room physical damage. Store in the original container, avoid cross otoantaminate water, food, or feed by storage disposal.       Skin and Hand Protection: Select safety eye/face protection based on the task being performed and the risks involved with the task. Wear tightly fitted and well- maintained.         National Occupational Exposure Limits - Restricted Imits for hazardous chemical agents.       Permeter Parameter       Physiac         Not applicable	Procention	e for eafo h	andling			
contact with eyes, skin and clothing. Do not breathe in dust. Wear protective clothing and equipment during handling as described in Section 8 of the SDS.       PERSONAL PROTECTIVE EQUIPMENT: Respiratory protection: Respiratory protection selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the accuracy of the product and the safe working limits of the accuracy of the product and the safe working limits of the accuracy of the product and the safe working limits of the accuracy of the product and the safe working limits of the accuracy of the product and the safe working limits of the accuracy of the product and the safe working limits of the accuracy of the product and the safe working limits of the accuracy of the product and the safe working limits of the accuracy of the product and the safe working limits of the accuracy of 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       Always store locked up and keep containers regularly for leaks and protect containers from physicat damage. Store in the original container, avoid cross contaminate water, food, or feed by storage or disposal.       Skin and hand protection: Select safety eye/face protection based on the task being performed and the risks involved wear tightly fitted and well-maintianed safety eyewear compliant with an approved standard.         It is recommended to have appropriate spill control kits equipped with absorbent material in close proximity to contaminate or hazardous chemical agents.       Specific end use(s) Use as directed. Use original container.       Specific end use(s) 9. PHYSICAL AND CHEMICAL PROPERTIES         Component I type       Optiont				aa wark ar	on Drovent	
dust. Wear protective clothing and equipment during handling as described in Section 8 of the SDS.       Respiratory protection: Respiratory protection selection must be based on known or anticipated exposure levels, the backs of the product and the safe working limits of the sacards of the product and the safe working limits of the sacards of the product and the safe working limits of the sacards of the product and the safe working limits of the sacards of the product and the safe working limits of the sacards of the product and use approved standard. Respirator, complying with an approved standard. Respirator complying with an approved standard. Respirator selection and use should be based on contaminant type, form and concentration.         Conditions for safe storage, including any incompatibilities       Incompatibilities         Always store locked up and keep containers regularly for leaks and protect containers from physical damage. Store in the original container, avoid and mediately in case of damage or signs of wear. The protection: Select safety eye/face protection based on the task being performed and the risks involved with the task. Wear tightly fitted and well maintained.         Amays store locked up and keep containers regularly for leaks and protect containes from physical damage. Store in the original container, avoid cross contamination with other agricultural products. Keep out of disposal.       Skin and Hand Protection: Select safety eye/face protection based on the task being performed and the risks involved with the task. Wear tightly fitted and well maintained.         tis recommended to have appropriate spill control kits equipped with absorbent material in close proximity to storage areas (see Section 6).       Specific end use(s)         Specific end use(s)       9. PHYSICAL AND						PERSONAL PROTECTIVE FOLIPMENT
handling as described in Section 8 of the SDS.       must be based on known or anticipated exposure levels, throroughly with soga pater handling. Keep containers closed when not in use. Do not permit smoking in use of storage areas. Locate emergency showers and eye-ning facility near the work/handling area. Maintain good normal industrial hygiene and housekeeping practices in areas where the product is used/handled.       must be based on known or anticipated exposure levels, the based on contaminant type, form and concentration.         Conditions for safe storage, including any incompatibilities       Maintain good normal facility near the work/handling area. Maintain good normal industrial hygiene and housekeeping practices in areas where the product is used/handled.       Skin and Hand Protection: 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 clotking must be properly fitted and well-maintained safety eye/face 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 clotking must be properly fitted and well-maintained safety eye/face protective clotking must be properly fitted and well-maintained safety eye/face protective clotking must be properly fitted and well-maintained safety eye/face protective clotking performed and the risks involved with the task. Wear tightly fitted and well-maintained safety eye/face protective clotking performed and the risks involved with the task being performed and the risks involved with the task. Wear tightly fitted and well-maintained safety eye/face protective clotking performed and the risks involved with the task. Wear tightly fitted and well-maintained safety eye/face protective clotking perior						
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 hygeline and housekeeping practices in areas where the product is used/handled.       the hazards of the product and the safe working limits of the selected respirator. Use a properly fitted and well-maintained particulate filter respirator. Use an approved positive-pressure selection and use should be based on contaminant type, form and concentration. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.         Conditions for safe storage, including any incompatibilities       Always store locked up and keep containers tightly closed when not in use. Store in a cool, dry and well-wentiate during use of direct sunight. Check storage containers regularly for leaks and protect containers from physical damage. Store in the original container, avoid cross contaminate water, food, or feed by storage or disposal.       Skere Protection: Select safety eyeface protection based on the task being performed and the risks involved with the task. Wear tightly fitted and well-maintained safety eyewaer compliant with an approved positive-pressure selection in the original container, avoid cross contaminate water, food, or feed by storage or disposal.         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)         Specific end use(s)       Use as directed. Use original container.       9. PHYSICAL AND CHEMICAL PROPERTIES         Appearance/physical state:       Suspension Odour:		•	•		nent during	
throroughly throroughly 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 area the selected respirator. Use a property fitted and well- maintained particulate filter respirator, complying with an approved standard. Respirator selection and use should be based on containant type, form and concentration. For emergency conditions, use an approved positive- pressure self-contained breathing apparatus.Conditions for safe storage, including any incompatibilitiesAlways store locked up and keep containers tightly closed when not in use. Store in a cool, dry and well-ventilated place, out of direct sunlight. Check storage containers regularly for leaks and protect containers from physical damage. Store in the original container, avoid cross contaminate water, food, or feed by storage or disposal.Skin and Hand Protection: 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.List is recommended to have appropriate spill control kits storage areas (see Section 6).Measures: Wash the hands and/or face before breaks, eating, smoking, or using the lavatory and at the end of the shift/working period. Eye wash fountains and safety showers should be available and easily accessible.It is recommended to have appropriate spill control kits storage areas (see Section 6).Pyelfee Measures: Wash the hands and/or face before breaks, eating, smoking, or using the lavatory and at the end of the shift/wor	•					
closed when not in use. Do not permit smoking in use or storage areas. Locate emergency showers and eye-rinsing approved standard. 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 breakthing apparatus.Conditions for safe storage, including any incompatibilitiesMarkai good normal be based on contaminant type, form and concentration. For emergency conditions, use an approved positive- pressure self-contained breakthing apparatus.Conditions for safe storage, including any incompatibilitiesSkin and Hand Protection: Select skin and hand protection based on the task being performed and the risks involved with the task. The gloves should be replaced damage. Store in the original container, avoid cross contaminate water, food, or feed by storage of disposal.It is recommended to have appropriate spill control kits equipped with absorbent material in close proximity to torataminate water, food, or feed by storage appicableEver in a cool, or feed by storage or disposal.8. EXPOSURE CONTROL / PERSONAL PROTECTION National Occupational Exposure Limits – Restricted limits for hazardous chemical agents.Appearance/physical state: Suspension Odour: Pungent dour. Colui: Yellow Boiling Point: >100°C Yapour Pressure (mm Hg): Not applicable.Not applicableOEL- N/A QEL-N/A 2021South African Reference ParameterNot applicableOEL- N/A QEL-N/A 2021South African Reference ParameterNot applicableOEL- N/A QEL-N/A 2021South African Re			•			
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.       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.         Conditions for safe storage, including any incompatibilities       For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.         Always store locked up and keep containers tightly closed when not in use. Store in a cool, dry and well-ventilated place, out of direct sunlight. Check storage containers regularly for leaks and protect containers, avoid cross contamination with other arginal container, avoid cross contaminate water, food, or feed by storage or disposal.       Skin and Hand Protection: 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 protection clothing must be properly fitted and well maintained.         Lyse as store the original container, avoid cross storage areas (see Section 6).       Eye/Face Protection: Select safety eye/face protection based on the task being performed and the risks involved with absorbent material in close proximity to trace storage areas (see Section 6).         Specific end use(s)       Use as directed. Use original container.       Phygiene Measures: Wash the hands and/or face before breaks, eating, smoking, or using the lavatory and at the end of the shift/working period. Eye wash fountains and safety showers should be available and easily accessible. Wash contaminated durit: >100°C </td <td>• •</td> <td>•</td> <td></td> <td>•</td> <td></td> <td></td>	• •	•		•		
facility near the work/handling area. Maintain good normal industrial hygiene and housekeeping practices in areas where the product is used/handled.       be based on contaminant type, form and concentration. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.         Conditions for safe storage, including any incompatibilities       Skin and Hand Protection: 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 presonal protective clothing must be properly fitted and well-maintained.         Always store locked up and keep containers tightly closed when not in use. Store in the original containers from physical damage. Store in the original container, avoid cross contamination with other agricultural products. Keep out of reach of children, uninformed persons, and animals. Do not contaminate water, food, or feed by storage or disposal.       Skin and Hand Protection: Select safety eye/face protection based on the task being performed and the risks involved with the task. Wear tighthet adad well-maintained safety eyewaar compliant with an approved standard.         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)         Use as directed. Use original container.       9. PHYSICAL AND CHEMICAL PROPERTIES         Appearance/physical state: Suspension Odour: Pungent doour.       Oclur: Yellow         Sector for the agents.       South         African may       Reference Parameter         OeEL-       N/A			•		•	
industrial hygiene and housekeeping practices in areas         where the product is used/handled.         Conditions for safe storage, including any incompatibilities         Always store locked up and keep containers tightly closed when not in use. Store in a cool, dry and well-ventilated place, out of direct sunlight. Check storage containers regularly for leaks and protect containers from physical damage. Store in the original container, avoid cross contaminate water, food, or feed by storage or disposal.       Skin and Hand Protection: 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.         Contaminate water, food, or feed by storage or disposal.       Eye/Face Protection: Select safety eye/face protection based on the task being performed and the risks involved with the task. Wear tightly fitted and well-maintained safety eyeware compliant with an approved standard.         Hygiene Measures: Wash the hands and/or face before breaks, eating, smoking, or using the lavatory and at the end of the shift/working period. Eye wash fountains and safety showers should be available and easily accessible.         Specific end use(s)       9. PHYSICAL AND CHEMICAL PROPERTIES         Asternation Type       Control update       Reference         Parameter       Parameter       Parameter         OEL-       N/A       2021       South         Not applicable       OEL-       N/A       2021       South	-		• •		• •	
where the product is used/handled.       Conditions for safe storage, including any incompatibilities         Always store locked up and keep containers tightly closed when not in use. Store in a cool, dry and well-ventilated place, out of direct sunlight. Check storage containers regularly for leaks and protect containers from physical damage. Store in the original container, avoid cross contamination with other agricultural products. Keep out of direct sunlight. Check storage containers avoid cross contamination with other agricultural products. Keep out of disposal.       Skin and Hand Protection: 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.         Lyser of children, uninformed persons, and animals. Do ot contaminate water, food, or feed by storage or disposal.       Eye/Face Protection: Select safety eye/face protection based on the task being performed and the risks involved with the task. Wear tightly fitted and well-maintained safety eye/ware compliant with an approved standard.         It is recommended to have appropriate spill control kits storage areas (see Section 6).       Specific end use(s)         Specific end use(s)       Use as directed. Use original container.         8. EXPOSURE CONTROL / PERSONAL PROTECTION       Appearance/physical state: Suspension Odour: Pungent odour.         National Occupational Exposure Limits - Parameter       Reference         Component       Type       Control       Update       Reference       Solubility in water: Completely Soluble. <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
Conditions for safe storage, including any incompatibilitiesAlways store locked up and keep containers tightly closed when not in use. Store in a cool, dry and well-ventilated place, out of direct sunlight. Check storage containers regularly for leaks and protect containers from physical damage. Store in the original container, avoid cross contamination with other agricultural products. Keep out of reach of children, uninformed persons, and animals. Do not contaminate water, food, or feed by storage or disposal.Skin and Hand Protection: 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.LyelFace ProtectionSelect safety eye/face protection based on the task being performed and the risks involved with the task. Wear tightly fitted and well-maintained safety eyewear compliant with an approved standard. Hygiene Measures: Wash the hands and/or face before breaks, eating, smoking, or using the lavatory and at the end of the shift/working period. Eye wash fountains and safety showers should be available and easily accessible. Wash contaminated clothing before reuse.Specific end use(s) Use as directed. Use original container.9. PHYSICAL AND CHEMICAL PROPERTIES8. EXPOSURE CONTROL / PERSONAL PROTECTION National Occupational Exposure Limits – ParameterAppearance/physical state: Suspension Odour: Pungent odour. Colour: Yellow Boiling Point: >100°C Yapour Pressure (mm Hg): Not applicable. Refative Vapour Density: Not applicable. Refative Vapour Density: Not applicable. Refative Vapour Density: Not applicable. Meiting point/freezing point: 115°C Pit: 6.2				ng practice	es in areas	
incompatibilities       Always store locked up and keep containers tightly closed when not in use. Store in a cool, dry and well-ventilated when not in use. Store in a cool, dry and well-ventilated place, out of direct sunlight. Check storage containers from physical damage. Store in the original container, avoid cross contamination with other agricultural products. Keep out of children, uninformed persons, and animals. Do not contaminate water, food, or feed by storage or disposal.       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.         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)         Specific end use(s)       Use as directed. Use original container.       9. PHYSICAL AND CHEMICAL PROPERTIES         Appearance/physical state: Suspension Odour: Pungent odour.       Colour: Yellow         National Occupational Exposure Limits – Restricted limits for hazardous chemical agents.       Reference         Not applicable       OEL- N/A       2021       South African						••••
Always store locked up and keep containers tightly closed when not in use. Store in a cool, dry and well-ventilated place, out of direct sunlight. Check storage containers from physical damage. Store in the original container, avoid cross contamination with other agricultural products. Keep out of reach of children, uninformed persons, and animals. Do not contaminate water, food, or feed by storage or disposal.       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.         Event of children, uninformed persons, and animals. Do not contaminate water, food, or feed by storage or disposal.       Eye/Face Protection: Select safety eye/face protection based on the task being performed and the risks involved with the task. Wear tightly fitted and well-maintained safety eyewear compliant with an approved standard.         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)         Use as directed. Use original container.       9. PHYSICAL AND CHEMICAL PROPERTIES         Astional Occupational Exposure Limits – Restricted limits for hazardous chemical agents.       Appearance/physical state: Suspension Odour: Pungent odour.         Component       Type       Control       Update       Reference         Not applicable       OEL-       N/A       2021       South       South         Not applicable       OEL-       N/A       2021       South       Solubility in water: Completely Soluble in water.	Conditions	for safe sto	orage, includ	ding any		
when not in use. Store in a cool, dry and well-ventilated place, out of direct sunlight. Check storage containers regularly for leaks and protect containers from physical damage. Store in the original container, avoid cross contamination with other agricultural products. Keep out of reach of children, uninformed persons, and animals. Do not contaminate water, food, or feed by storage or disposal.immediately in case of damage or signs of wear. The personal protective clothing must be properly fitted and well maintained. Eye/Face Protection: Select safety eye/face protection based on the task being performed and the risks involved with the task. Wear tightly fitted and well-maintained safety eyewear compliant with an approved standard. Hygiene Measures: Wash the hands and/or face before breaks, eating, smoking, or using the lavatory and at the end of the shift/working period. Eye wash fountains and safety showers should be available and easily accessible. Wash contaminated clothing before reuse.8. EXPOSURE CONTROL / PERSONAL PROTECTION National Occupational Exposure Limits – Restricted limits for hazardous chemical agents.PREsting Reference ParameterAppearance/physical state: South African Relative Vapour Density: Not applicable. Evaporation Rate: Not applicable.Not applicableOEL- N/A2021South RELs*South Meting point: 115°C Met 6.2-6.5	incompatib	oilities				
place, out of direct sunlight. Check storage containers regularly for leaks and protect containers from physical damage. Store in the original container, avoid cross contamination with other agricultural products. Keep out of reach of children, uninformed persons, and animals. Do not contaminate water, food, or feed by storage or disposal.personal protective clothing must be properly fitted and well maintained.It is recommended to have appropriate spill control kits equipped with absorbent material in close proximity to storage areas (see Section 6).Eye/Face Protection: Select safety eye/face protection based on the task being performed and the risks involved with the task. Wear tightly fitted and well-maintained safety eyewear compliant with an approved standard. Hygiene Measures: Wash the hands and/or face before breaks, eating, smoking, or using the lavatory and at the end of the shift/working period. Eye wash fountains and safety showers should be available and easily accessible. Wash contaminated clothing before reuse.Specific end use(s) Use as directed. Use original container.9. PHYSICAL AND CHEMICAL PROPERTIESAttional Occupational Exposure Limits – ParameterReference ParameterComponentType ParameterControl ParameterNot applicableOEL- N/A2021Not applicableOEL- N/A2021Not applicableOEL- N/A2021Not applicableCel- N/A2021Not applicableTWA PAL2021Not applicableN/A2021Not applicableN/A2021Not applicableN/A2021Not applicable<	Always store	e locked up	and keep co	ontainers ti	ghtly closed	
regularly for leaks and protect containers from physical damage. Store in the original container, avoid cross contamination with other agricultural products. Keep out of reach of children, uninformed persons, and animals. Do not contaminate water, food, or feed by storage or disposal.well maintained.It is recommended to have appropriate spill control kits equipped with absorbent material in close proximity to storage areas (see Section 6).Section 6).Eye/Face Protection: Select safety eye/face protection based on the task being performed and the risks involved with the task. Wear tightly fitted and well-maintained safety eyewear compliant with an approved standard. Hygiene Measures: Wash the hands and/or face before breaks, eating, smoking, or using the lavatory and at the end of the shift/working period. Eye wash fountains and safety showers should be available and easily accessible. Wash contaminated clothing before reuse.Specific end use(s) Use as directed. Use original container.9. PHYSICAL AND CHEMICAL PROPERTIESAppearance/physical state: limits for hazardous chemical agents.Appearance/physical state: Suspension Odour: Pungent odour. Colour: Yellow Boiling Point: >100°C Vapour Pressure (mm Hg): Not applicable.Not applicableOEL-N/A2021South African RELs'Not applicableOEL-N/A2021South African RELs'Not applicableOEL-N/A2021South African RELs'	when not in	n use. Store	in a cool, c	Iry and we	ell-ventilated	
Induct on the original container, avoid cross contamination with other agricultural products. Keep out of reach of children, uninformed persons, and animals. Do not contaminate water, food, or feed by storage or disposal.Eye/Face Protection: Select safety eye/face protection based on the task being performed and the risks involved with the task. Wear tightly fitted and well-maintained safety eyewear compliant with an approved standard. Hygiene Measures: Wash the hands and/or face before breaks, eating, smoking, or using the lavatory and at the end of the shift/working period. Eye wash fountains and safety showers should be available and easily accessible. Wash contaminated clothing before reuse.Specific end use(s) Use as directed. Use original container.9. PHYSICAL AND CHEMICAL PROPERTIES8. EXPOSURE CONTROL / PERSONAL PROTECTION National Occupational Exposure Limits – Restricted limits for hazardous chemical agents.Appearance/physical state: Suspension Odour: Pungent odour. Colour: Yellow Boiling Point: >100°C Vapour Pressure (mm Hg): Not applicable.Not applicableOEL-N/A2021South African RELs'Not applicableOEL-N/A2021SouthNot applicableOEL-N/A2021South	place, out of direct sunlight. Check storage containers			k storage	containers	
contamination with other agricultural products. Keep out of reach of children, uninformed persons, and animals. Do not contaminate water, food, or feed by storage or disposal.based on the task being performed and the risks involved with the task. Wear tightly fitted and well-maintained safety eyewear compliant with an approved standard. Hygiene Measures: Wash the hands and/or face before breaks, eating, smoking, or using the lavatory and at the end of the shift/working period. Eye wash fountains and safety showers should be available and easily accessible. Wash contaminated clothing before reuse.It is recommended to have appropriate spill control kits equipped with absorbent material in close proximity to storage areas (see Section 6).Based on the task being performed and the risks involved with the task. Wear tightly fitted and well-maintained safety eyewear compliant with an approved standard. Hygiene Measures: Wash the hands and/or face before breaks, eating, smoking, or using the lavatory and at the end of the shift/working period. Eye wash fountains and safety showers should be available and easily accessible. Wash contaminated clothing before reuse.Specific end use(s) Use as directed. Use original container.9. PHYSICAL AND CHEMICAL PROPERTIESAppearance/physical state:Suspension Odour: Pungent odour.National Occupational Exposure Limits – Imits for hazardous chemical agents.Reference ParameterComponentTypeControl ParameterUpdate ReferenceOfEL- eight hour TWAN/A2021Not applicableOEL- N/A2021OEL- OEL-N/A2021OEL- OEL-N/A2021OEL- OEL-<				itainers fro	om physical	
reach of children, uninformed persons, and animals. Do not contaminate water, food, or feed by storage or disposal.with the task. Wear tightly fitted and well-maintained safety eyewear compliant with an approved standard. Hygiene Measures: Wash the hands and/or face before breaks, eating, smoking, or using the lavatory and at the end of the shift/working period. Eye wash fountains and safety showers should be available and easily accessible. Wash contaminated clothing before reuse.It is recommended to have appropriate spill control kits equipped with absorbent material in close proximity to storage areas (see Section 6).Hygiene Measures: Wash the hands and/or face before breaks, eating, smoking, or using the lavatory and at the end of the shift/working period. Eye wash fountains and safety showers should be available and easily accessible. Wash contaminated clothing before reuse.Specific end use(s) Use as directed. Use original container.9. PHYSICAL AND CHEMICAL PROPERTIESAppearance/physical state:Suspension Odour: Pungent odour. Colou: Yellow Boiling Point: >100°C Vapour Pressure (mm Hg): Not applicable.National Occupational Exposure Limits – Imits for hazardous chemical agents.Reference ParameterComponentType ParameterControl ParameterNot applicableOEL- N/AN/A2021South African RELs'South Melting point/freezing point: 115°C PH: 6.2-6.5				ontainer, a	avoid cross	
reach of children, uninformed persons, and animals. Do not contaminate water, food, or feed by storage or disposal.with the task. Wear tightly fitted and well-maintained safety eyewear compliant with an approved standard. Hygiene Measures: Wash the hands and/or face before breaks, eating, smoking, or using the lavatory and at the end of the shift/working period. Eye wash fountains and safety showers should be available and easily accessible. Wash contaminated clothing before reuse.It is recommended to have appropriate spill control kits equipped with absorbent material in close proximity to storage areas (see Section 6).It is recommended to have appropriate spill control kits end of the shift/working period. Eye wash fountains and safety showers should be available and easily accessible. Wash contaminated clothing before reuse.Specific end use(s) Use as directed. Use original container.9. PHYSICAL AND CHEMICAL PROPERTIESAppearance/physical state:Suspension Odour: Pungent odour. Colour: Yellow Boiling Point: >100°C Vapour Pressure (mm Hg): Not applicable.National Occupational Exposure Limits – ParameterReference ParameterEvaporation Rate: Not applicable. Relative Vapour Density: Not applicable.Component ight hour TWA0/2N/A2021South African RELs'Not applicable0/2N/A2021South African RELs'Meting point/freezing point: 115°C PH: 6.2-6.5				products.	Keep out of	
not contaminate water, food, or feed by storage or disposal.eyewear compliant with an approved standard.It is recommended to have appropriate spill control kits equipped with absorbent material in close proximity to storage areas (see Section 6).Hygiene Measures: Wash the hands and/or face before breaks, eating, smoking, or using the lavatory and at the end of the shift/working period. Eye wash fountains and safety showers should be available and easily accessible. Wash contaminated clothing before reuse.Specific end use(s) Use as directed. Use original container.9. PHYSICAL AND CHEMICAL PROPERTIES8. EXPOSURE CONTROL / PERSONAL PROTECTION National Occupational Exposure Limits – Restricted limits for hazardous chemical agents.Appearance/physical state: Suspension Odour: Pungent odour. Colour: Yellow Boiling Point: >100°C Vapour Pressure (mm Hg): Not applicable.ComponentTypeControl ParameterReference ParameterNot applicableOEL- N/A2021South African RELs'Solubility in water: Completely Soluble in water. Decomposition temperature: Not applicable. Melting point/freezing point: 115°C pH: 6.2-6.5						with the task. Wear tightly fitted and well-maintained safety
disposal.Hygiene Measures: Wash the hands and/or face before breaks, eating, smoking, or using the lavatory and at the end of the shift/working period. Eye wash fountains and safety showers should be available and easily accessible. Wash contaminated clothing before reuse.Specific end use(s) Use as directed. Use original container.9. PHYSICAL AND CHEMICAL PROPERTIESAppearance/physical state: Suspension Odour: Pungent odour.Odour: Pungent odour.Control L/ PERSONAL PROTECTIONNational Occupational Exposure Limits – Restricted Imits for hazardous chemical agents.Control Update ParameterNot applicableOEL-Not applicableOEL-Not applicableOEL-Not applicableOEL-Not applicableOEL-Not applicableOEL-Not applicableOEL-Not applicableOEL-Not applicableOEL-Not applicableOEL-Not applicableQ21SouthMelting point/freezing point: 115°CPH: 6.2-6.5						eyewear compliant with an approved standard.
It is recommended to have appropriate spill control kits equipped with absorbent material in close proximity to storage areas (see Section 6).breaks, eating, smoking, or using the lavatory and at the end of the shift/working period. Eye wash fountains and safety showers should be available and easily accessible. Wash contaminated clothing before reuse.Specific end use(s) Use as directed. Use original container.9. PHYSICAL AND CHEMICAL PROPERTIESAppearance/physical state: Suspension Odour: Pungent odour.Control / PERSONAL PROTECTIONNational Occupational Exposure Limits – Restricted limits for hazardous chemical agents.Reference ParameterAppearance/physical state: Suspension Odour: Pungent odour.ComponentTypeControl ParameterUpdate ParameterReference African RELs'Evaporation Rate: Not applicable.Not applicableOEL- PL-N/A2021South African RELs'Solubility in water: Completely Soluble in water.Decomposition temperature: Not applicable.				,	0	Hygiene Measures: Wash the hands and/or face before
equipped with absorbent material in close proximity to storage areas (see Section 6).       safety showers should be available and easily accessible. Wash contaminated clothing before reuse.         Specific end use(s)       Use as directed. Use original container.       9. PHYSICAL AND CHEMICAL PROPERTIES         8. EXPOSURE CONTROL / PERSONAL PROTECTION       Appearance/physical state: Suspension Odour: Pungent odour.       9. Odur: Pungent odour.         National Occupational Exposure Limits – Restricted limits for hazardous chemical agents.       Reference       Evaporation Rate: Not applicable.         Component       Type       Control       Update       Reference         Parameter       OEL-       N/A       2021       South         Not applicable       OEL-       N/A       2021       South         Aprican       Relative Vapour Density: Not applicable.       Decomposition temperature: Not applicable.         Not applicable       OEL-       N/A       2021       South         Not applicable       OEL-       N/A       2021       South         Applicable       OEL-       N/A	•					breaks, eating, smoking, or using the lavatory and at the
equipped with absorbent material in close proximity to storage areas (see Section 6).       safety showers should be available and easily accessible. Wash contaminated clothing before reuse.         Specific end use(s)       Use as directed. Use original container.       9. PHYSICAL AND CHEMICAL PROPERTIES         8. EXPOSURE CONTROL / PERSONAL PROTECTION       Appearance/physical state: Suspension Odour: Pungent odour.       9. Odur: Pungent odour.         National Occupational Exposure Limits – Restricted limits for hazardous chemical agents.       Reference       Evaporation Rate: Not applicable.         Component       Type       Control       Update       Reference         Parameter       OEL-       N/A       2021       South         Not applicable       OEL-       N/A       2021       South         Aprican       Relative Vapour Density: Not applicable.       Decomposition temperature: Not applicable.         Not applicable       OEL-       N/A       2021       South         Not applicable       OEL-       N/A       2021       South         Applicable       OEL-       N/A	It is recom	mended to	have appror	oriate spill	control kits	
storage areas (see Section 6).       Specific end use(s)       Wash contaminated clothing before reuse.         Specific end use(s)       Use as directed. Use original container.       9. PHYSICAL AND CHEMICAL PROPERTIES         8. EXPOSURE CONTROL / PERSONAL PROTECTION       Appearance/physical state: Suspension Odour: Pungent odour.         National Occupational Exposure Limits – Restricted limits for hazardous chemical agents.       Appearance/physical state: Suspension Odour: Pungent odour.         Component       Type       Control Parameter       Update       Reference         Not applicable       OEL- N/A       2021       South African RELs*       Solubility in water: Composition temperature: Not applicable.         Not applicable       OEL- N/A       2021       South African RELs*       Decomposition temperature: Not applicable.         Not applicable       OEL- N/A       2021       South African RELs*       Melting point/freezing point: 115°C						
Specific end use(s)       9. PHYSICAL AND CHEMICAL PROPERTIES         8. EXPOSURE CONTROL / PERSONAL PROTECTION       Appearance/physical state: Suspension Odour: Pungent odour.         National Occupational Exposure Limits – Restricted limits for hazardous chemical agents.       Appearance/physical state: Suspension Odour: Pungent odour.         Component       Type       Control Parameter       Performed         Not applicable       OEL-       N/A       2021         Not applicable       OEL-       N/A       2021         OEL-       N/A       2021       South African RELs <sup>*</sup> Melting point/TWA       Not Applicable.       Melting point/Freezing point: 115°C         OEL-       N/A       2021       South African RELs <sup>*</sup> PH: 6.2-6.5       PH: 6.2-6.5						
Use as directed. Use original container.       9. PHYSICAL AND CHEMICAL PROPERTIES         8. EXPOSURE CONTROL / PERSONAL PROTECTION       Appearance/physical state: Suspension         National Occupational Exposure Limits - Restricted limits for hazardous chemical agents.       Appearance/physical state: Suspension         Component       Type       Control Parameter       Update       Reference         Not applicable       OEL-       N/A       2021       South       Solubility in water: Completely Soluble in water.         Not applicable       OEL-       N/A       2021       South       Melting point/freezing point: 115°C         Not applicable       OEL-       N/A       2021       South       Melting point/freezing point: 115°C         OEL-       N/A       2021       South       Percence       Percence       Percence						-
8. EXPOSURE CONTROL / PERSONAL PROTECTION       Appearance/physical state: Suspension         National Occupational Exposure Limits - Restricted limits for hazardous chemical agents.       Restricted         Component       Type       Control Parameter         Vot applicable       OEL-       N/A       2021         Not applicable       OEL-       N/A       2021         Vot applicable       N/A       2021       South African RELs*         OEL-       N/A       2021       South RELs*						9. PHYSICAL AND CHEMICAL PROPERTIES
National Occupational Exposure Limits – Restricted limits for hazardous chemical agents.Restricted Boiling Point: >100°C Vapour Pressure (mm Hg): Not applicable.ComponentTypeControl ParameterUpdate ParameterReference ReferenceEvaporation Rate: Not applicable. Relative Vapour Density: Not applicable.Not applicableOEL- TWAN/A2021South African RELs*Solubility in water: Completely Soluble in water. Decomposition temperature: Not applicable.Not applicableN/A2021South African RELs*Melting point/freezing point: 115°C pH: 6.2-6.5			Since of Itali			
National Occupational Exposure Limits – Restricted limits for hazardous chemical agents.Restricted Boiling Point: >100°C Vapour Pressure (mm Hg): Not applicable.ComponentTypeControl ParameterUpdate ParameterReference ReferenceEvaporation Rate: Not applicable. Relative Vapour Density: Not applicable.Not applicableOEL- TWAN/A2021South African RELs*Solubility in water: Completely Soluble in water. Decomposition temperature: Not applicable.Not applicableN/A2021South African RELs*Melting point/freezing point: 115°C pH: 6.2-6.5	8 EVDOGU				TECTION	Appearance/physical state: Suspension
National Occupational Exposure Limits - Restricted limits for hazardous chemical agents.Colour: Yellow Boiling Point: >100°C Vapour Pressure (mm Hg): Not applicable.ComponentTypeControl ParameterUpdate ParameterReference ParameterEvaporation Rate: Not applicable. Relative Vapour Density: Not applicable.Not applicableOEL- TWAN/A2021South African RELsSolubility in water: Completely Soluble in water. Decomposition temperature: Not applicable.Not applicableTWA2021South African RELsMelting point/freezing point: 115°C pH: 6.2-6.5	0. EAFU3U		UL/ PERJU			
Not applicableN/ASouthImits for hazardous chemical agents.InterviewReferenceBoiling Point: >100°CComponentTypeControlUpdateReferenceEvaporation Rate: Not applicable.ParameterParameterParameterReferenceRelative Vapour Density: Not applicable.Not applicableOEL-N/A2021SouthSolubility in water: Completely Soluble in water.Not applicableTWAInterviewRELs'Decomposition temperature: Not applicable.OEL-N/A2021SouthMelting point/freezing point: 115°COEL-N/A2021SouthPH: 6.2-6.5	National Occupational Exposure Limits - Restricted			l imite –	Restricted	
ComponentTypeControl ParameterUpdate ParameterReference African RELs'Evaporation Rate: Not applicable.Not applicableOEL- eight hour TWAN/A2021South African RELs'Solubility in water: Completely Soluble in water.Not applicableOEL- VAAN/A2021South African RELs'Solubility in water: Completely Soluble in water.Not applicableOEL- VAAN/A2021South African RELs'Melting point/freezing point: 115°C pH: 6.2-6.5						
Component       Type       Control Parameter       Update       Reference       Evaporation Rate: Not applicable.         Not applicable       OEL- eight hour TWA       N/A       2021       South African RELs*       Solubility in water: Completely Soluble in water.         OEL- oEL-       N/A       2021       South African RELs*       Melting point/freezing point: 115°C         OEL-       N/A       2021       South AFrican RELs*       Melting point/freezing point: 115°C	mines for ha	azai uous ci	iennicai age	11.3.		
Not applicable     OEL- TWA     N/A     2021     South African RELs*     Solubility in water: Completely Soluble in water.       Not applicable     OEL- CEL-     N/A     2021     South African RELs*     Decomposition temperature: Not applicable.       Not applicable     N/A     2021     South African RELs*     Decomposition temperature: Not applicable.       Not     TWA     2021     South RELs*     Decomposition temperature: Not applicable.       DEL-     N/A     2021     South     Decomposition temperature: Not applicable.	Comparart	Turce	Control	Lindata	Deference	
Not applicable         OEL- eight hour TWA         N/A         2021         South African RELs         Solubility in water: Completely Soluble in water.           OEL- OEL-         N/A         2021         South African RELs         Decomposition temperature: Not applicable.           Melting point/freezing point: 115°C         pH: 6.2-6.5	Component	Type		Opdate	Reierence	
Not applicable     eight hour TWA     eight hour TWA     African RELs*     Decomposition temperature: Not applicable.       OEL-     N/A     2021     South     Melting point/freezing point: 115°C       pH:     6.2-6.5				2024	Coutt	
Not applicable     TWA     RELs*     Melting point/freezing point: 115°C       OEL-     N/A     2021     South     pH: 6.2-6.5			IN/A	2021		
applicable OEL- N/A 2021 South <b>PH</b> : 6.2-6.5	Not					
OEL- N/A 2021 South <b>PH</b> : 6.2-6.5			L			
STEL/C African Density at 20°C: 1.40 g/m3			N/A	2021		
		STEL/C			African	<b>Jensity at 20ºC:</b> 1.40 g/m3

Flammability: Not flammable. Flash Point: 168°C Flammable limits-LEL: Not applicable. Auto-ignition temperature: 260°C Viscosity: Not applicable. *Not relevant due to the nature of the product, not providing information property of its hazards. 10. STABILITY AND REACTIVITY	in CLP notifications this substance causes serious eye damage. 14,945 % > 10% Therefore it is classified for eye irritation 2. <b>Skin Sensitization:</b> Not classified. <b>Respiratory Sensitization:</b> Does not meet the GHS Classification criteria. Germ cell mutagenicity: Does not meet the GHS Classification criteria
<ul> <li>Reactivity: The product is stable under normal conditions.</li> <li>Chemical Stability: This product is stable for 2 years at ambient temperature and pressure, under normal storage and handling conditions. Avoid storage under extreme temperatures and conditions. Store below 50°C, preferably below 30°C, and not for prolonged periods in direct sunlight.</li> <li>Possibility of Hazardous Reactions: None known under conditions of normal use.</li> <li>Conditions to Avoid: Avoid extreme temperatures (&gt;50°C). Keep away from heat and ignition sources. Incompatible Materials: Avoid strong oxidizing agents and acids.</li> <li>Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.</li> </ul>	Germ cell mutagenicity: not meet the GHS Classification criteria. Carcinogenicity: not meet the GHS Classification criteria. Reproductive toxicity: not meet the GHS Classification criteria. Specific target organ toxicity – single exposure: not meet the GHS Classification criteria. Specific target organ toxicity – repeated exposure: not meet the GHS Classification criteria. Aspiration hazard: not meet the GHS Classification criteria. Symptoms related to the physical, chemical, and toxicological characteristics. Causes eye irritation, Skin corrosion/ irritant.
<ul> <li>11. TOXICOLOGICAL INFORMATION ACUTE TOXICITY: Calculated.</li> <li>Acute Oral Toxicity: Acute oral toxicity: Monoethylene Glycol</li> <li>Warning! According to the harmonised classification and labelling (CLP00) approved by the European Union, this substance is harmful if swallowed.</li> <li>Additionally, the classification provided by companies to ECHA in REACH registrations identifies that this substance may cause damage to organs through prolonged or repeated exposure.</li> <li>15384,6&gt; 5000 which is the maximum ATE value, Therefore it is not classified for Acute Toxicity.</li> <li>Acute Dermal Toxicity: Does not meet the GHS Classification criteria.</li> <li>Acute Inhalation Toxicity: Not Classified Skin Corrosion/Irritation/: Sulfur</li> <li>Warning! According to the harmonised classification and labelling (ATP01) approved by the European Union, this substance causes skin irritation.</li> <li>80&gt;10% Therefore it is classified for skin Irritation Cat 2.</li> <li>Eye Damage/Irritation: Sodium Poly Acrylate &amp; Polyalkyl naphtalene sulphonate. Danger! According to the classification provided by companies to ECHA</li> </ul>	12. ECOLOGICAL INFORMATION ECOTOXICITY DATA: Active ingredient. Short-term (Acute) hazard Aquatic : Does not meet the GHS Classification criteria. Bio-degradability in the aquatic environment: Biodegradation is not applicable as the substance is inorganic and highly insoluble in water. Toxicity to other species Birds: Acute oral $LC_{50}$ (8 d) for bobwhite quail >5000 ppm Fish: Non-toxic to fish. Daphnia: $LC_{50}$ (48 h, static) >665 mg/L. Algae: $EC_{50}$ (72h) for <i>Ankistrodesmus bibraianus</i> >232 mg/L. Bees: Non-toxic to bees. Worms: $LC_{50}$ (14 d) >1600 mg/L. Soil Microorganisms: No information available. ENVIRONMENTAL EFFECTS: Persistence and degradability: Degradation proceeds primarily by microbial reduction in and on plants.

<b>Bio-accumulative Potential:</b> No information available <b>Mobility in soil:</b> Insoluble in water, no leaching potential into groundwater. When oxidised to sulfate, its contributionas sulfate ions from pesticidal sources is negligible in comparison with the natural occurrence of sulfates in soil and water. <b>Other adverse effects:</b> None Known					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	
13. DISPOSAL CONSIDERATIONS			S		classification of dangerous goods for transport by road and rail modes.	
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. 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 (South Africa).			regulations a or feed by npty all pes own over the seconds. F	and prevent storage or ticides from e spray tank Puncture the	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 wastewater/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	
14. TRANS	14. TRANSPORT INFORMATION					
	Land Transport (ADR/RID)	Inland Waterway s (AND/ADN R)	Sea Transport (IMDG)	Air Transport (ICAO-TI / IATA- DGR)	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.	
UN Number	-	-	-	-	16. OTHER INFORMATION	
UN Proper Shipping Name	-	-	-	-	Indication of changes Alignment to the GHS.	
Transport Hazard Class	-	-	-	-	Relevant classification and H-Statements: Serious Eye Damage- Category 2	
Transport Hazard	-	-	-	-	H319: Causes serious eye irritation. Skin Corrosion/Irritation- Category 2	
Class Pictogram					H315: Causes skin irritation.	
Packing Group Environm	-	-	-	-	Specific Target Organ Toxicity, Repeated Exposure H373: May cause damage to organs through prolonged	
ental Hazard					or repeated exposure	
15. REGU	15. REGULATORY INFORMATION				Key to Abbreviations	
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.			l xture. cal Agents – ct Handlin ous and GH	ng, labelling IS classified	<ul> <li>AND European Provisions concerning the International Carraige od Dangerous Goods by inland Waterways</li> <li>ADR The European Agreement concerning the International Carraige of Dangerous Goods by Road</li> <li>ATE Acute Toxicity Estimate COD Chemical Oxygen Demand</li> </ul>	

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
<b>Log</b> Pow	Logarithm of the octanol/water partition
	coefficient
LD <sub>50</sub>	Lethal Dose 50
LC <sub>50</sub>	Lethal Concentration 50
RID	The Regulations concerning the International
	Carraige 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, 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