WWW.ROLFESAGRI.CO.ZA

Rolfes Agri (Pty) Ltd VAT No: 4770176081 (Reg. No. 1998/013411/07)



SAFETY DATA SHEET	P102: Keep out of reach of children.
	P103: Read carefully and follow all instructions. P264: Wash hands and affected area thoroughly after
1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION	handling.
IDENTIFICATION	P280: Wear protective gloves.
Product Name: QUATRO S	P302 + P352: IF ON SKIN: Wash with plenty of water.
Other identifier: QUATRO S	P332 + P317: If skin irritation occurs: Get medical help
Recommended use: Fertilizer	P362 + P364: Take off contaminated clothing and wash it
Restrictions on use: Agriculture	before reuse.
Supplier Rolfes Agri (Pty) Ltd	P501: Empty all pesticides from the container by placing it
288 Mundt Street	upside down over the spray tank and holding it there for at
Waltloo	least 30 seconds. Puncture the rinsed container to render
Pretoria, South Africa	it useless and send to a recycler.
Telephone: +27(0)12 803 0145	• • • • • • • • • • •
E-mail Address: info@rolfesagri.co.za	Special labelling of certain mixtures:
Emergency Phone Numbers:	None known. Other hazards:
Office hour poisoning helpline	None known.
Rolfes Agri (Pty) Ltd +27 (12) 803 0145	Toxicity:
Spill Response and Transport Incidents Spill Tech, 086 100 0366, <u>www.spilltech.co.za</u>	Classification according to GHS: Not classified.
Oil and chemical pollution control 083 253 6618	Chaomication according to Chie. Not chaomica.
2. HAZARDS IDENTIFICATION	3. COMPOSITION / INFORMATION ON INGREDIENTS
South Africa - GHS classification and labelling of	Ingredients with Hazard Concerns (GHS): According to
chemicals and the Regulations for Hazardous	UN GHS criteria
Chemical Agents - 2021.	
Hazard class Hazard category H-statement	Hazardous CAS Conc. GHS
	Component Number (m/v) % Classification
Hazard class Hazard category H-statement	ComponentNumber(m/v) %ClassificationSulphur7704-34-910-30%Skin Irrit. 2
Hazard classHazard categoryH-statementHealthSkin IrritationCategory 2H315	ComponentNumber(m/v) %ClassificationSulphur7704-34-910-30%Skin Irrit. 2 (H315)
Hazard classHazard categoryH-statementHealth	ComponentNumber(m/v) %ClassificationSulphur7704-34-910-30%Skin Irrit. 2
Hazard classHazard categoryH-statementHealthSkin IrritationCategory 2H315	ComponentNumber(m/v) %ClassificationSulphur7704-34-910-30%Skin Irrit. 2 (H315)4. FIRST AID MEASURES
Hazard classHazard categoryH-statementHealth	ComponentNumber(m/v) %ClassificationSulphur7704-34-910-30%Skin Irrit. 2 (H315)4. FIRST AID MEASURESGeneral Advice: The symptoms resulting from direct
Hazard classHazard categoryH-statementHealth	ComponentNumber(m/v) %ClassificationSulphur7704-34-910-30%Skin Irrit. 2 (H315)4. FIRST AID MEASURESGeneral Advice: The symptoms resulting from direct exposure to the product could appear a while after
Hazard classHazard categoryH-statementHealth	ComponentNumber(m/v) %ClassificationSulphur7704-34-910-30%Skin Irrit. 2 (H315)4. FIRST AID MEASURESGeneral Advice: The symptoms resulting from direct exposure to the product could appear a while after exposure. If there is persistent discomfort, seek medical
Hazard classHazard categoryH-statementHealth	ComponentNumber(m/v) %ClassificationSulphur7704-34-910-30%Skin Irrit. 2 (H315)4. FIRST AID MEASURESGeneral 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
Hazard classHazard categoryH-statementHealth	ComponentNumber(m/v) %ClassificationSulphur7704-34-910-30%Skin Irrit. 2 (H315)4. FIRST AID MEASURESGeneral 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
Hazard classHazard categoryH-statementHealth	ComponentNumber(m/v) %ClassificationSulphur7704-34-910-30%Skin Irrit. 2 (H315)4. FIRST AID MEASURESGeneral 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
Hazard classHazard categoryH-statementHealth	ComponentNumber(m/v) %ClassificationSulphur7704-34-910-30%Skin Irrit. 2 (H315)4. FIRST AID MEASURESGeneral 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.
Hazard classHazard categoryH-statementHealth	ComponentNumber(m/v) %ClassificationSulphur7704-34-910-30%Skin Irrit. 2 (H315)4. FIRST AID MEASURESGeneral 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.
Hazard classHazard categoryH-statementHealth	ComponentNumber(m/v) %ClassificationSulphur7704-34-910-30%Skin Irrit. 2 (H315) 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 amount of
Hazard classHazard categoryH-statementHealth	ComponentNumber(m/v) %ClassificationSulphur7704-34-910-30%Skin Irrit. 2 (H315) 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 amount of flowing cold water for several minutes, until no evidence of
Hazard classHazard categoryH-statementHealth	ComponentNumber(m/v) %ClassificationSulphur7704-34-910-30%Skin Irrit. 2 (H315) 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 amount of flowing cold water for several minutes, until no evidence of chemical remains. If irritation persists, get medical help.
Hazard classHazard categoryH-statementHealth	ComponentNumber(m/v) %ClassificationSulphur7704-34-910-30%Skin Irrit. 2 (H315) 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 amount of flowing cold water for several minutes, until no evidence of chemical remains. If irritation persists, get medical help.Skin contact:Remove all contaminated clothing and
Hazard class Hazard category H-statement Health	ComponentNumber(m/v) %ClassificationSulphur7704-34-910-30%Skin Irrit. 2 (H315)4. FIRST AID MEASURESGeneral 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 amount of flowing cold water for several 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
Hazard class Hazard category H-statement Health Skin Irritation Category 2 H315 The most important adverse effects: Physiochemical effects: None known. Human health effects: H315 Causes skin irritation (Skin Irrit, 2) Pictograms: Image: Comparison of the statements: Image: Comparison of the statements: Hazard statements: H315: Causes skin irritation. Image: Comparison of the statements: Precautionary statements: Image: Comparison of the statements:	ComponentNumber(m/v) %ClassificationSulphur7704-34-910-30%Skin Irrit. 2 (H315) 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 amount of flowing cold water for several 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
Hazard class Hazard category H-statement Health Skin Irritation Category 2 H315 The most important adverse effects: Physiochemical effects: None known. Human health effects: H315: Causes skin irritation (Skin Irrit, 2) Pictograms: Image: Comparison of the statements: H315: Causes skin irritation. Signal word: Warning. Hazard statements: H315: Causes skin irritation. Precautionary statements: P101: If medical advice is needed, have product container	ComponentNumber(m/v) %ClassificationSulphur7704-34-910-30%Skin Irrit. 2 (H315)4. FIRST AID MEASURESGeneral 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 amount of flowing cold water for several 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
Hazard class Hazard category H-statement Health Skin Irritation Category 2 H315 The most important adverse effects: Physiochemical effects: None known. Human health effects: H315 Causes skin irritation (Skin Irrit, 2) Pictograms: Image: Comparison of the statements: Image: Comparison of the statements: Hazard statements: H315: Causes skin irritation. Image: Comparison of the statements: Precautionary statements: Image: Comparison of the statements:	ComponentNumber(m/v) %ClassificationSulphur7704-34-910-30%Skin Irrit. 2 (H315) 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 amount of flowing cold water for several 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

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. Ingestion: If exposed or concerned, rinse mouth thoroughly with water and get medical advice. Most important symptoms/effects, acute and delayed: No information available. 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. 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. Special protective equipment and precautions for fire-fighters: 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	For large s material (nor up with ab product in su wash water of Reference to See Section protective ed See Section 7. HANDLIN Precautions Always provi contact with dust. Wear handling as of Do not eat of thoroughly w closed when storage area facility near to industrial hy where the pr Conditions incompatibi Always store when not in place, out of regularly for damage. St contaminatio reach of chi not contami disposal. It is recomme equipped wi storage area 5. EXPOSUI National Oc	n-combusti sorbent m litable cont out of drain o other se 1 for emer a 8 for inf quipment. 13 for add IG AND ST s for safe h ide good v eyes, skii protective described i or drink dur with soap a not in use the work/ha giene and oduct is us for safe st lities e locked up use. Store of direct s leaks and to m with othe idren, unir inate wate mended to ith absorb is (see Sec d use(s) ted. Use of RE CONTF	ble for flammaterial, con ainers for pro- s, sewers an ctions: gency contact formation on itional waste FORAGE RE handling entilation in final dist e clothing at n Section 8 c ing use. Wa after hand e clothing at n Section 8 c ing use. Wa after hand e clothing at after hand e clothing area. housekeep ed/handled. orage, inclu o and keep c e in a cool, unlight. Che d protect co e original contain formed pers er, food, or have appro- ent material tion 6). riginal contain ROL / PERSO	able productain and coper disposation and coper disposation and coper disposation and externation appropriate treatment in COUREMEN the work are not equipment of the SDS. should be appropriate smoking the storage in an externation on tainers the ding any ontainers the storage intainers from the storage intainers fr	cts). Sweep collect spilt al. Keep the s. an. te personal formation. TTS ea. Prevent breathe in hent during ds and face containers of in use or eye-rinsing ood normal es in areas phtly closed fl-ventilated containers m physical tool cross Keep out of nimals. Do storage or control kits proximity to
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	Imits for hazardous chemical agents. Component Type Control Update Reference				
required to appropriate authorities if the spilt product has caused environmental pollution (sewers, water ways, soil			Parameter		
or air). Methods for cleaning up: For small spills, soak up with damp earth or sand, or	N/A	OEL- eight hour TWA	N/A	2021	South African RELs [*]
other non-Combustible absorbent material. Place into a labelled waste container subsequent reclamation or disposal. Keep the wash water out of drains, sewers and		OEL-	N/A	2021	South

Appropriate engineering controls: Good general	and handling condit	tions. Avoid storag	e under extreme	
ventilation should be sufficient to control worker exposure	temperatures and		e below 50°C,	
to airborne contaminants.	preferably below 30°C, and not for prolonged periods			
	direct sunlight.	-,	5	
PERSONAL PROTECTIVE EQUIPMENT:	Possibility of Hazar	rdous Reactions: U	nder the specified	
Respiratory protection: Respiratory protection selection	conditions, hazardo		•	
must be based on known or anticipated exposure levels,	temperatures or pres			
the hazards of the product and the safe working limits of	Conditions to Avoid			
the selected respirator. Use a properly fitted and well-		emperature.		
	Incompatible Mater		u Under nermel	
maintained particulate filter respirator, complying with an	Hazardous Decom			
approved standard. Respirator selection and use should	conditions of storage		us decomposition	
be based on contaminant type, form and concentration.	products should not	be produced.		
For emergency conditions, use an approved positive-				
pressure self-contained breathing apparatus.	11. TOXICOLOGIC	AL INFORMATION		
Skin and Hand Protection: Select skin and hand				
protection based on the task being performed and the risks	ACUTE TOXICITY:	Calculated.		
involved with the task. The gloves should be replaced	Acute Toxicity Oral	: Not classified.		
immediately in case of damage or signs of wear. The	Acute Toxicity Derr	nal: Not classified.		
personal protective clothing must be properly fitted and	Acute Toxicity Inha	lation: Not classified	1.	
well maintained.	Skin Corrosion/Irrit			
Eye/Face Protection: Select safety eye/face protection	Eye Damage/Irritati	on: Not classified.		
based on the task being performed and the risks involved	Skin Sensitization:			
with the task. Wear tightly fitted and well-maintained safety	Respiratory Sensiti		d	
eyewear compliant with an approved standard.	Germ cell mutagen			
Hygiene Measures: Wash the hands and/or face before	Carcinogenicity: No			
breaks, eating, smoking, or using the lavatory and at the	Reproductive toxic			
end of the shift/working period. Eye wash fountains and	Specific target org		e exposure: Not	
safety showers should be available and easily accessible.	classified.	an toxicity – Singi	e exposure. Not	
	Specific target organ toxicity – repeated exposure: No			
Wash contaminated clothing before reuse.	Specific target org	an toxicity — ropost	od ovnosuro: Not	
Wash contaminated clothing before reuse.		an toxicity – repeate	ed exposure: Not	
	classified.		ed exposure: Not	
Wash contaminated clothing before reuse. 9. PHYSICAL AND CHEMICAL PROPERTIES	classified. Aspiration hazard:	Not classified.	-	
9. PHYSICAL AND CHEMICAL PROPERTIES	classified. Aspiration hazard: Symptoms related	Not classified. I to the physical,	-	
9. PHYSICAL AND CHEMICAL PROPERTIES Appearance/physical state: Suspension liquid.	classified. Aspiration hazard: Symptoms related toxicological chara	Not classified. I to the physical, cteristics.	-	
9. PHYSICAL AND CHEMICAL PROPERTIES Appearance/physical state: Suspension liquid. Odour: Pungent odour.	classified. Aspiration hazard: Symptoms related	Not classified. I to the physical, cteristics.	-	
9. PHYSICAL AND CHEMICAL PROPERTIES Appearance/physical state: Suspension liquid. Odour: Pungent odour. Colour: Cream.	classified. Aspiration hazard: Symptoms related toxicological chara No information availa	Not classified. I to the physical, cteristics. able.	-	
9. PHYSICAL AND CHEMICAL PROPERTIES Appearance/physical state: Suspension liquid. Odour: Pungent odour. Colour: Cream. Boiling Point: >100°C.	classified. Aspiration hazard: Symptoms related toxicological chara	Not classified. I to the physical, cteristics. able.	-	
9. PHYSICAL AND CHEMICAL PROPERTIES Appearance/physical state: Suspension liquid. Odour: Pungent odour. Colour: Cream. Boiling Point: >100°C. Vapour Pressure (mm Hg): Not applicable.	classified. Aspiration hazard: Symptoms related toxicological chara No information availa	Not classified. I to the physical, cteristics. able. NFORMATION	chemical, and	
9. PHYSICAL AND CHEMICAL PROPERTIES Appearance/physical state: Suspension liquid. Odour: Pungent odour. Colour: Cream. Boiling Point: >100°C. Vapour Pressure (mm Hg): Not applicable. Evaporation Rate: Not applicable.	classified. Aspiration hazard: Symptoms related toxicological chara No information availa 12. ECOLOGICAL I ECOTOXICITY DAT	Not classified. I to the physical, cteristics. able. NFORMATION	chemical, and	
 9. PHYSICAL AND CHEMICAL PROPERTIES Appearance/physical state: Suspension liquid. Odour: Pungent odour. Colour: Cream. Boiling Point: >100°C. Vapour Pressure (mm Hg): Not applicable. Evaporation Rate: Not applicable. Relative Vapour Density: Not applicable. 	classified. Aspiration hazard: Symptoms related toxicological chara No information availa 12. ECOLOGICAL I ECOTOXICITY DAT Sulphur	Not classified. I to the physical, cteristics. able. NFORMATION	chemical, and	
 9. PHYSICAL AND CHEMICAL PROPERTIES Appearance/physical state: Suspension liquid. Odour: Pungent odour. Colour: Cream. Boiling Point: >100°C. Vapour Pressure (mm Hg): Not applicable. Evaporation Rate: Not applicable. Relative Vapour Density: Not applicable. Solubility in water: Soluble in water. 	classified. Aspiration hazard: Symptoms related toxicological chara No information availa 12. ECOLOGICAL I ECOTOXICITY DAT Sulphur Fish	Not classified. I to the physical, cteristics. able. NFORMATION	chemical, and	
 9. PHYSICAL AND CHEMICAL PROPERTIES Appearance/physical state: Suspension liquid. Odour: Pungent odour. Colour: Cream. Boiling Point: >100°C. Vapour Pressure (mm Hg): Not applicable. Evaporation Rate: Not applicable. Relative Vapour Density: Not applicable. Solubility in water: Soluble in water. Decomposition temperature: Not applicable. 	classified. Aspiration hazard: Symptoms related toxicological chara No information availa 12. ECOLOGICAL I ECOTOXICITY DAT Sulphur	Not classified. I to the physical, cteristics. able. NFORMATION	chemical, and	
 9. PHYSICAL AND CHEMICAL PROPERTIES Appearance/physical state: Suspension liquid. Odour: Pungent odour. Colour: Cream. Boiling Point: >100°C. Vapour Pressure (mm Hg): Not applicable. Evaporation Rate: Not applicable. Relative Vapour Density: Not applicable. Solubility in water: Soluble in water. Decomposition temperature: Not applicable. Melting point/freezing point: Not applicable. 	classified. Aspiration hazard: Symptoms related toxicological chara No information availa 12. ECOLOGICAL I ECOTOXICITY DAT Sulphur Fish	Not classified. I to the physical, cteristics. able. NFORMATION 'A: Active ingredier	chemical, and	
 9. PHYSICAL AND CHEMICAL PROPERTIES Appearance/physical state: Suspension liquid. Odour: Pungent odour. Colour: Cream. Boiling Point: >100°C. Vapour Pressure (mm Hg): Not applicable. Evaporation Rate: Not applicable. Relative Vapour Density: Not applicable. Solubility in water: Soluble in water. Decomposition temperature: Not applicable. 	classified. Aspiration hazard: Symptoms related toxicological chara No information availa 12. ECOLOGICAL I ECOTOXICITY DAT Sulphur <u>Fish</u> LC ₅₀ Daphnia	Not classified. I to the physical, cteristics. able. NFORMATION 'A: Active ingredier	chemical, and	
 9. PHYSICAL AND CHEMICAL PROPERTIES Appearance/physical state: Suspension liquid. Odour: Pungent odour. Colour: Cream. Boiling Point: >100°C. Vapour Pressure (mm Hg): Not applicable. Evaporation Rate: Not applicable. Relative Vapour Density: Not applicable. Solubility in water: Soluble in water. Decomposition temperature: Not applicable. Melting point/freezing point: Not applicable. 	classified. Aspiration hazard: Symptoms related toxicological chara No information availa 12. ECOLOGICAL I ECOTOXICITY DAT Sulphur Fish LC ₅₀	Not classified. I to the physical, cteristics. able. NFORMATION 'A: Active ingredier	chemical, and	
9. PHYSICAL AND CHEMICAL PROPERTIES Appearance/physical state: Suspension liquid. Odour: Pungent odour. Colour: Cream. Boiling Point: >100°C. Vapour Pressure (mm Hg): Not applicable. Evaporation Rate: Not applicable. Relative Vapour Density: Not applicable. Solubility in water: Soluble in water. Decomposition temperature: Not applicable. Melting point/freezing point: Not applicable. pH: Not available.	classified. Aspiration hazard: Symptoms related toxicological chara No information availa 12. ECOLOGICAL I ECOTOXICITY DAT Sulphur <u>Fish</u> LC ₅₀ Daphnia	Not classified. I to the physical, cteristics. able. NFORMATION 'A: Active ingredier	chemical, and nt. >0.063 mg/L	
 9. PHYSICAL AND CHEMICAL PROPERTIES Appearance/physical state: Suspension liquid. Odour: Pungent odour. Colour: Cream. Boiling Point: >100°C. Vapour Pressure (mm Hg): Not applicable. Evaporation Rate: Not applicable. Relative Vapour Density: Not applicable. Solubility in water: Soluble in water. Decomposition temperature: Not applicable. Melting point/freezing point: Not applicable. pH: Not available. Density/relative density(g/cm3): 1.45 g/ml. 	classified. Aspiration hazard: Symptoms related toxicological chara No information availa 12. ECOLOGICAL I ECOTOXICITY DAT Sulphur <u>Fish</u> LC ₅₀ Daphnia	Not classified. I to the physical, cteristics. able. NFORMATION 'A: Active ingredier	chemical, and nt. >0.063 mg/L	
 9. PHYSICAL AND CHEMICAL PROPERTIES Appearance/physical state: Suspension liquid. Odour: Pungent odour. Colour: Cream. Boiling Point: >100°C. Vapour Pressure (mm Hg): Not applicable. Evaporation Rate: Not applicable. Relative Vapour Density: Not applicable. Solubility in water: Soluble in water. Decomposition temperature: Not applicable. Melting point/freezing point: Not applicable. pH: Not available. Density/relative density(g/cm3): 1.45 g/ml. Flammability: Not flammable. Flash Point: Not applicable. 	classified. Aspiration hazard: Symptoms related toxicological chara No information availa 12. ECOLOGICAL I ECOTOXICITY DAT Sulphur <u>Fish</u> LC ₅₀ <u>Daphnia</u> LC ₅₀ (48 h)	Not classified. I to the physical, cteristics. able. NFORMATION 'A: Active ingredier	chemical, and nt. >0.063 mg/L	
 9. PHYSICAL AND CHEMICAL PROPERTIES Appearance/physical state: Suspension liquid. Odour: Pungent odour. Colour: Cream. Boiling Point: >100°C. Vapour Pressure (mm Hg): Not applicable. Evaporation Rate: Not applicable. Evaporation Rate: Not applicable. Solubility in water: Soluble in water. Decomposition temperature: Not applicable. Melting point/freezing point: Not applicable. pH: Not available. Density/relative density(g/cm3): 1.45 g/ml. Flammability: Not flammable. 	classified. Aspiration hazard: Symptoms related toxicological chara No information availa 12. ECOLOGICAL I ECOTOXICITY DAT Sulphur <u>Fish</u> LC ₅₀ Daphnia LC ₅₀ (48 h) <u>Birds</u> :	Not classified. I to the physical, cteristics. able. NFORMATION TA: Active ingredien Rainbow trout	chemical, and nt. >0.063 mg/L >0.063 mg/L	
 9. PHYSICAL AND CHEMICAL PROPERTIES Appearance/physical state: Suspension liquid. Odour: Pungent odour. Colour: Cream. Boiling Point: >100°C. Vapour Pressure (mm Hg): Not applicable. Evaporation Rate: Not applicable. Relative Vapour Density: Not applicable. Solubility in water: Soluble in water. Decomposition temperature: Not applicable. Melting point/freezing point: Not applicable. pH: Not available. Density/relative density(g/cm3): 1.45 g/ml. Flammability: Not flammable. Flash Point: Not applicable. Flammable limits-LEL: Not applicable. Auto-ignition temperature: Not applicable. 	classified. Aspiration hazard: Symptoms related toxicological chara No information availa 12. ECOLOGICAL I ECOTOXICITY DAT Sulphur <u>Fish</u> LC ₅₀ Daphnia LC ₅₀ (48 h) <u>Birds</u> :	Not classified. I to the physical, cteristics. able. NFORMATION TA: Active ingredien Rainbow trout	chemical, and nt. >0.063 mg/L >0.063 mg/L	
 9. PHYSICAL AND CHEMICAL PROPERTIES Appearance/physical state: Suspension liquid. Odour: Pungent odour. Colour: Cream. Boiling Point: >100°C. Vapour Pressure (mm Hg): Not applicable. Evaporation Rate: Not applicable. Relative Vapour Density: Not applicable. Solubility in water: Soluble in water. Decomposition temperature: Not applicable. Melting point/freezing point: Not applicable. pH: Not available. Density/relative density(g/cm3): 1.45 g/ml. Flammability: Not flammable. Flash Point: Not applicable. Flammable limits-LEL: Not applicable. 	classified. Aspiration hazard: Symptoms related toxicological chara No information availa 12. ECOLOGICAL I ECOTOXICITY DAT Sulphur <u>Fish</u> LC ₅₀ Daphnia LC ₅₀ (48 h) <u>Birds</u> : LD ₅₀	Not classified. I to the physical, cteristics. able. NFORMATION TA: Active ingredien Rainbow trout Japanese quail	chemical, and nt. >0.063 mg/L >0.063 mg/L >2000 mg/kg	
 9. PHYSICAL AND CHEMICAL PROPERTIES Appearance/physical state: Suspension liquid. Odour: Pungent odour. Colour: Cream. Boiling Point: >100°C. Vapour Pressure (mm Hg): Not applicable. Evaporation Rate: Not applicable. Relative Vapour Density: Not applicable. Solubility in water: Soluble in water. Decomposition temperature: Not applicable. Melting point/freezing point: Not applicable. pH: Not available. Density/relative density(g/cm3): 1.45 g/ml. Flammability: Not flammable. Flash Point: Not applicable. Flammable limits-LEL: Not applicable. Auto-ignition temperature: Not applicable. Yiscosity: Not available. 	classified. Aspiration hazard: Symptoms related toxicological chara No information availa 12. ECOLOGICAL I ECOTOXICITY DAT Sulphur <u>Fish</u> LC ₅₀ Daphnia LC ₅₀ (48 h) <u>Birds</u> : LD ₅₀	Not classified. I to the physical, cteristics. able. NFORMATION TA: Active ingredien Rainbow trout Japanese quail	chemical, and nt. >0.063 mg/L >0.063 mg/L >2000 mg/kg	
9. PHYSICAL AND CHEMICAL PROPERTIES Appearance/physical state: Suspension liquid. Odour: Pungent odour. Colour: Cream. Boiling Point: >100°C. Vapour Pressure (mm Hg): Not applicable. Evaporation Rate: Not applicable. Relative Vapour Density: Not applicable. Solubility in water: Soluble in water. Decomposition temperature: Not applicable. Melting point/freezing point: Not applicable. pH: Not available. Density/relative density(g/cm3): 1.45 g/ml. Flammability: Not flammable. Flash Point: Not applicable. Flammable limits-LEL: Not applicable. Auto-ignition temperature: Not applicable. Jiscosity: Not available.	classified. Aspiration hazard: Symptoms related toxicological chara No information availa 12. ECOLOGICAL I ECOTOXICITY DAT Sulphur <u>Fish</u> LC ₅₀ Daphnia LC ₅₀ (48 h) <u>Birds:</u> LD ₅₀ LC ₅₀ (8d)	Not classified. I to the physical, cteristics. able. NFORMATION TA: Active ingredien Rainbow trout Japanese quail	chemical, and nt. >0.063 mg/L >0.063 mg/L >2000 mg/kg	
9. PHYSICAL AND CHEMICAL PROPERTIES Appearance/physical state: Suspension liquid. Odour: Pungent odour. Colour: Cream. Boiling Point: >100°C. Vapour Pressure (mm Hg): Not applicable. Evaporation Rate: Not applicable. Evaporation Rate: Not applicable. Relative Vapour Density: Not applicable. Solubility in water: Soluble in water. Decomposition temperature: Not applicable. Melting point/freezing point: Not applicable. Melting point/freezing point: Not applicable. pH: Not available. Density/relative density(g/cm3): 1.45 g/ml. Flammability: Not flammable. Flash Point: Not applicable. Flammable limits-LEL: Not applicable. Auto-ignition temperature: Not applicable. Jiscosity: Not available. 10. STABILITY AND REACTIVITY Reactivity: No hazardous reactions are expected	classified. Aspiration hazard: Symptoms related toxicological chara No information availa 12. ECOLOGICAL II ECOTOXICITY DAT Sulphur Fish LC ₅₀ Daphnia LC ₅₀ (48 h) Birds: LD ₅₀ LC ₅₀ (8d) Bees:	Not classified. I to the physical, cteristics. able. NFORMATION TA: Active ingredien Rainbow trout Japanese quail	chemical, and nt. >0.063 mg/L >0.063 mg/L >2000 mg/kg >5340 mg/kg	
 9. PHYSICAL AND CHEMICAL PROPERTIES Appearance/physical state: Suspension liquid. Odour: Pungent odour. Colour: Cream. Boiling Point: >100°C. Vapour Pressure (mm Hg): Not applicable. Evaporation Rate: Not applicable. Relative Vapour Density: Not applicable. Solubility in water: Soluble in water. Decomposition temperature: Not applicable. Melting point/freezing point: Not applicable. pH: Not available. Density/relative density(g/cm3): 1.45 g/ml. Flammability: Not flammable. Flash Point: Not applicable. Flammable limits-LEL: Not applicable. Auto-ignition temperature: Not applicable. Viscosity: Not available. 	classified. Aspiration hazard: Symptoms related toxicological chara No information availa 12. ECOLOGICAL I ECOTOXICITY DAT Sulphur Fish LC ₅₀ Daphnia LC ₅₀ (48 h) Birds: LD ₅₀ LC ₅₀ (8d) Bees: LD ₅₀	Not classified. I to the physical, cteristics. able. NFORMATION TA: Active ingredien Rainbow trout Japanese quail	chemical, and nt. >0.063 mg/L >0.063 mg/L >2000 mg/kg >5340 mg/kg	
 9. PHYSICAL AND CHEMICAL PROPERTIES Appearance/physical state: Suspension liquid. Odour: Pungent odour. Colour: Cream. Boiling Point: >100°C. Vapour Pressure (mm Hg): Not applicable. Evaporation Rate: Not applicable. Relative Vapour Density: Not applicable. Solubility in water: Soluble in water. Decomposition temperature: Not applicable. Melting point/freezing point: Not applicable. pH: Not available. Density/relative density(g/cm3): 1.45 g/ml. Flammability: Not flammable. Flash Point: Not applicable. Flammable limits-LEL: Not applicable. Auto-ignition temperature: Not applicable. Viscosity: Not available. 10. STABILITY AND REACTIVITY Reactivity: No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7	classified. Aspiration hazard: Symptoms related toxicological chara No information availa 12. ECOLOGICAL I ECOTOXICITY DAT Sulphur <u>Fish</u> LC ₅₀ Daphnia LC ₅₀ (48 h) Birds: LD ₅₀ LC ₅₀ (8d) Bees: LD ₅₀ Algae:	Not classified. I to the physical, cteristics. able. NFORMATION TA: Active ingredien Rainbow trout Japanese quail Bobwhite quail	chemical, and t. >0.063 mg/L >0.063 mg/L >2000 mg/kg >5340 mg/kg Non-toxic	
 9. PHYSICAL AND CHEMICAL PROPERTIES Appearance/physical state: Suspension liquid. Odour: Pungent odour. Colour: Cream. Boiling Point: >100°C. Vapour Pressure (mm Hg): Not applicable. Evaporation Rate: Not applicable. Relative Vapour Density: Not applicable. Solubility in water: Soluble in water. Decomposition temperature: Not applicable. Melting point/freezing point: Not applicable. pH: Not available. Density/relative density(g/cm3): 1.45 g/ml. Flammability: Not flammable. Flash Point: Not applicable. Flammable limits-LEL: Not applicable. Auto-ignition temperature: Not applicable. Viscosity: Not available. 	classified. Aspiration hazard: Symptoms related toxicological chara No information availa 12. ECOLOGICAL I ECOTOXICITY DAT Sulphur Fish LC ₅₀ Daphnia LC ₅₀ (48 h) Birds: LD ₅₀ LC ₅₀ (8d) Bees: LD ₅₀ Algae: E _b C ₅₀ & E _r C ₅₀ (72	Not classified. I to the physical, cteristics. able. NFORMATION TA: Active ingredien Rainbow trout Japanese quail	chemical, and nt. >0.063 mg/L >0.063 mg/L >2000 mg/kg >5340 mg/kg	

<u>Worms</u> : LC ₅₀ (14 d)	Ei	isenia fetida	>985	mg/kg	1993 employe	ces. Occupational Health and Safety Act No. 85 of Occupational Health and Safety Standards for ers and users working with and around hazardous	
ENVIRONMENTAL EFECTS: Plants: No data available. Persistence and degradability: No data available. Bio-accumulative Potential: Not available. Mobility in soil: No data available. Other adverse effects: No data available.					(ACT classific rail mod Botswa Pesticid (2006) -		
13. DISPOSAL CONSIDERATIONS					 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 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. 16. OTHER INFORMATION Packaging: Packed in 0.1, 0.2, 0.25, 0.5, 1, 5, 10, 20, 25, 0.5, 10, 20, 20, 20, 20, 20, 20, 20, 20, 20, 2		
 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. 				nd prevent storage or igs may be ncineration cides from spray tank uncture the			
14. TRANSPORT INFORMATION							
	Land Transport (ADR/RID)	Inland Waterways (AND/ADNR)	Sea Transport (IMDG)	Air Transport (ICAO-TI / IATA-	accordir	0 and 1000 litre plastic containers; and labelled ing to South African regulations and guidelines.	
UN Number	Not regulated	Not regulated	Not regulated	DGR) Not regulated	Skin Irrit	tation – Category 2	
UN Proper Shipping Name	-	-	-	-		Causes skin irritation.	
Transport Hazard Class	-	-	-	-	AND	European Provisions concerning the International	
Transport Hazard Class Pictogram	-	-	-	-	7.112	Carraige od Dangerous Goods by inland Waterways	
Packing Group	-	-	-	-	ADR	The European Agreement concerning the International Carraige of Dangerous Goods by	
Environmental Hazard	-	-	-	-]	Road	
*Not a classified as dangerous goods			·	ATE COD	Acute Toxicity Estimate Chemical Oxygen Demand		
15. REGULATORY INFORMATION		GHS	Globally Harmonised System of Classification and Labelling of Chemicals				
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				g, labelling S classified re Limits. of 1973) - rol of the application,	IATA ICAO IMDG Log _{Pow} LD ₅₀ LC ₅₀ RID SDS UN	International Air Transport Association International Civil Aviation Organisation International Maritime Dangerous Goods Logarithm of the octanol/water partition coefficient Lethal Dose 50 Lethal Concentration 50 The Regulations concerning the International Carraige of Dangerous Goods by Rail Safety Data Sheet 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