

Safety Data Sheet

SUGRA WSP

SDS No: SDS493/000

Effective Date: 04/05/2022

Revision no: 000

Product Code: 493

SECTION 1

COMPANY AND CHEMICAL PRODUCT IDENTIFICATION

Product Name: SUGRA WSP

Chemical Identifier: Zinc Sulphate Monohydrate and Sodium Octaborate

Product Use: Fertilizer

Restrictions on use: Agriculture

Supplier:

In Line Trading 112 (Pty) Ltd. (Co. Reg. No. 2003/008663/07)

Cedar Lake Industrial Estate,

C/O M57 & Porcelain Roads, Olifantsfontein, 1666, Gauteng, RSA

(011) 392 4072

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Emergency Contact Numbers

Griffon Poison Information:

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SECTION 2

HAZARDS IDENTIFICATION

Classification as defined by Regulation (EC) 1272/2008 [CLP] EU & SANS 10234:2008

Hazard Classes	Hazard Category	Hazard Statements Code	Hazard Statements
Health			
Acute toxicity (oral)	5	H303	May be harmful if swallowed
Acute toxicity (dermal)	-	-	-
Inhalation	-	-	-
Skin irritation	-	-	-
Eye irritation	2B	H320	Causes eye irritation
Reproductive	1	H360FD	May be damage fertility or unborn child
STOT	-	-	-
Environmental			
Aquatic	2	H401	Toxic to aquatic life

Label elements: labelling as defined by Regulation (EC) 1272/2008 [CLP] EU & SANS 10234:2008

Hazard pictograms:



Signal word – Danger

Precautionary statements

P273	Avoid release to the environment.
P280	Wear impervious rubber gloves and chemical safety goggles.
P302/352	IF ON SKIN: Wash with plenty of water and soap.
P310	Immediately call a POISON CENTRE.
P333/313	If skin irritation or rash occurs: Get medical advice.
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
P391	Collect spillage.
P501	Dispose of contents/container in accordance with local regulations

Special labelling of certain mixtures: None known

Other hazards: None known

Toxicity: Classification according to GHS: Category 5

SECTION 3
COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

Declared Active Ingredients:

Chemical name	CAS No.	EC No.	Conc. %w/w	Classification Regulation (EC) 1272/2008
ZINC SULPHATE MONOHYDRATE	7446-19-7	231-793-3	30-60	H303, H320, H401
SODIUM OCTABORATE	12280-03-4	234-541-0	10-30	H360FD

SECTION 4

FIRST AID MEASURES

INHALATION: Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation persists.

SKIN: Flushing the skin with running water. If irritation persists, repeat rinse. Seek medical advice if required.

EYES: Flush eyes with clean water for at least 15 – 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. If irritation persists, seek medical attention.

INGESTION: Rinse mouth thoroughly with water and give 2 to 3 glasses of water to drink if the person is alert. Do not induce vomiting unless instructed to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

IMPORTANT ACUTE EFFECTS: May be harmful if swallowed
Causes eye irritation
Toxic to aquatic life

IMPORTANT DELAYED EFFECTS: May damage fertility or the unborn child

NOTE TO PHYSICIAN: This product contains Sodium octaborate. Treat symptomatically and supportively.

SECTION 5
FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Use carbon dioxide, dry chemical, water fog or foam.
Unsuitable Extinguishing Media:	High volume water jet. Use a water jet only to cool heated containers.
Specific hazards:	Not applicable
Special Fire Fighting Procedures:	Remove spectators from surrounding area. Isolate the fire area and evacuate all personnel downwind of the fire. Keep upwind. Remove container from fire area if possible and without risk. Do not use high volume water jet, due to contamination risk. Water can be used to cool unaffected containers but must be contained for later disposal. Avoid pollution of waterways by run-off from the site
Personal protective equipment:	Wear NIOSH/MSHA approved self-contained breathing apparatus and full protective gear.

SECTION 6
ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Ventilate area of spill or leak. Ensure suitable personal protection during removal of spills. Wear eye protection, chemically resistant gloves, boots and coveralls.

CLEANING METHODS: Absorb spillages onto sand, earth or any suitable absorbent material. Transfer to a container for disposal. Wash the spillage area with water. Washing must be prevented from entering surface water drains. Seal drums and dispose of contaminated material in a facility permitted for hazardous waste. Large spills should be handled according to a spill remediation plan.

DEACTIVATING CHEMICALS: None Known

ADDITIONAL INFORMATION: Spillages or uncontrolled discharges into water sources must be alerted to the appropriate regulatory body.

SECTION 7
HANDLING AND STORAGE

HANDLING

Precautions for safe handling: Ensure adequate ventilation during handling and use. Do not handle broken packages without protective equipment. Immediately clean up spills that occur during handling. Keep containers closed when not in use. In the case of contact with the product refer to First Aid Measures – Section 4

General occupational hygiene: Practice good hygiene when using this material. Wash hands before eating, drinking, chewing gum, smoking, using the toilet or applying cosmetics. Worker should shower at the end of each workday. Launder all clothing before it is re-used.

STORAGE

Conditions for safe storage: Keep out of reach of unauthorised persons, children and animals. Store in its original, labelled container, tightly closed, in an isolated, dry, cool and well-ventilated area. Avoid excess heat. Not to be stored next to foodstuffs, feed and water supplies. Avoid cross contamination with other pesticides and fertilisers

Incompatible substances and mixtures: Do not apply **SUGRA WSP** in combination with any acidifying products such as zinc nitrate ($ZnNO_3$), ammonium sulphate (NH_4SO_4), amino-acid chelated foliar feeds or any other acidifying or chelated products, or apply these products to the fruit and leaves within 30 days after a copper application. Strong oxidizing agents Packed.

Packaging material: Foil Bag, 5 bags per box

SECTION 8 **EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Permissible concentration: No occupational exposure limits have been determined for the significant ingredients in this product.

ENGINEERING CONTROLS: It is essential to provide adequate ventilation. The measures appropriate for a particular worksite depend on how this material is used and on the extent of exposure. Local Exhaust: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OELs or other specified exposure limits. Local exhaust ventilation is preferred. Ensure that control systems are properly designed and maintained. Comply with occupational safety, environmental, fire, and other applicable regulations

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: For most well-ventilated conditions, no respiratory protection should be needed. If used in a poorly ventilated area (airborne concentrations exceed exposure limits), use a NIOSH approved air-purifying respirator

Body Protection: The use of chemically protective gloves is recommended to prevent against skin contact.

Eye/ Protection: The use of chemical safety goggles is recommended to prevent against eye contact. Contact lenses are not protective eye devices.

Skin and Body Protection: Employee must wear appropriate protective clothing; boots, hat and equipment to prevent repeated or prolonged skin contact with this substance.

Body Protection: Complete suit protecting against chemicals, flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Emergency eyewash: Where there is any possibility that an employee's eyes may be exposed to this substance; the employer should provide an eye wash fountain or appropriate alternative within the immediate work area for emergency use.

SECTION 9
PHYSICAL AND CHEMICAL PROPERTIES

Property	Value/description	Method
Physical state	Powder	Visual
Colour	Cream white	Visual
Odour	Odourless	Organoleptic
pH (1% aqueous dilution)	6	CIPAC MT 75.3
Melting/Freezing point	Not available	
Boiling point	Not applicable	
Flash point	Not applicable	
Flammability	Not applicable	
Vapour pressure	Not applicable	
Relative Vapour Density	Not applicable	
Density	1 g/mL	Pycnometer
Solubility	Soluble in water	Sieve test
n-Octanol/Water partition coefficient	Not applicable	
Auto-ignition temperature	Not applicable	
Decomposition temperature	Not applicable	
Viscosity	Not applicable	
Explosive properties	Not explosive	
Oxidising properties	Not oxidative	

SECTION 10
STABILITY AND REACTIVITY

Chemical Stability: The product is stable for two 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.

Reactivity: Stable and non-reactive under normal conditions

Possibility of Hazardous Reactions: No data available

Conditions to Avoid: Extreme heat or exposure to flames

Incompatible Materials: Strong oxidizing agents

Hazardous Decomposition Products: None known

SECTION 11
TOXICOLOGICAL INFORMATION

GHS Classification: May be harmful if swallowed (H303)
Causes eye irritation (H320)
May be damage fertility or the unborn child (H360)

Toxicity	Effective dose/ concentration	Value	Species	Method/Source
Acute Oral	LD ₅₀	4240 mg/kg	Rat	GHS ATE Calculation
Acute Dermal	LD ₅₀	>5000 mg/kg	Rat	
Acute Inhalation	Not classified as an acute inhalation toxicant			
Skin irritation	Not classified as a skin irritant			
Eye irritation	Causes eye irritation			
Respiratory sensitization	Not classified as a respiratory or skin sensitizer.			
Mutagenicity/Genotoxicity:	Not classified as a germ cell mutagenic toxicant.			
Carcinogenicity	Not classified as a carcinogen.			
Reproductive toxicity	May damage fertility or the unborn child			
Specific target organ toxicity:	Not classified as a specific target organ toxicant			
Chronic effects	No known chronic effect			

SECTION 12
ECOLOGICAL INFORMATION

GHS Classification: Toxic to aquatic life with Hazardous category 2 (H401)

Toxicity	Effect dose/ concentration	Value	Test duration	Species	Method
Aquatic Fish Algae	LC ₅₀ EC ₅₀	74 mg/kg 15.4 mg/L	96 h 96 h	<i>Aquatic and Algae</i> -	OECD 203 -
Terrestrial Bees Earthworms	LD ₅₀ (Oral) NOEC	Not Available	72 h 56 d	<i>Apis spp</i> <i>Eisenia Foetida</i>	OECD 214 OECD 207

ENVIRONMENTAL EFFECTS

Persistence and degradability: Not available

Bio-accumulative Potential: Low bio-accumulative potential due to its high mobility in the soil.

Mobility in soil: K_{oc}=1, which shows that it is mobile in the soil

Other adverse effects: No known adverse effects

SECTION 13
DISPOSAL CONSIDERATIONS

Hazardous waste according to Directive 2008/98/EC (waste framework directive).

Waste: Open dumping or burning of this product is prohibited. Waste resulting from the use of this product cannot be reused or re-processed. Never pour untreated waste or surplus product into public sewers or where there is any danger of run-off or seepage into water systems. Do not contaminate rivers, dams or any other water sources with the product or used containers. Comply with local legislation applying to waste disposal. The product may be taken to a registered waste disposal site or incineration plant.

Container: Emptied containers retain product residues. Do not re-use the empty container for any other purpose. Triple rinse empty containers by inverting the empty container over the spray or mixing tank and allow draining for at least 30 seconds after the flow has slowed down to a drip. Thereafter, rinse the container three times with a volume of water equal to a third of that of the container. Add the rinsing to the contents of the spray tank before destroying the container in the prescribed manner. Destroy the container by perforating and flattening and dispose of through an approved waste dump site, incineration plant or recycling company. Observe all labelled safeguards until container is destroyed.

SECTION 14 **TRANSPORT INFORMATION**

UN Number: 3077

Road Transport ADR/IRD:

Class: 9

Packaging group: III

UN Proper Shipping Name: Environmentally Hazardous Substance, Solid N.O.S

Maritime Transport IMDG/IMO:

Class: 9

Packaging group: III

UN Proper Shipping Name: Environmentally Hazardous Substance, Solid N.O.S

Marine Pollutant (Y/N): Yes

Air Transport IATA/ICAO:

Class: 9

Packaging group: III

UN Proper Shipping Name: Environmentally Hazardous Substance, Solid N.O.S

Special/Environmental Precautions: The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

Transport in bulk : Not applicable

SECTION 15 **REGULATORY INFORMATION**

Safety, health and environmental regulations/legislation for the mixture: OSHA 1993 Regulations for Hazardous Chemical Substances.

Relevant information regarding restrictions: None

EU regulation: Regulation EC1272/2008

Other national regulations: None

Chemical Safety Assessment carried out? No

SECTION 16
OTHER INFORMATION

PACKAGING:

Packed in 5kg foil bag,5 bags per box and labelled according to South African regulations and guidelines.

DISCLAIMER:

The information on this sheet is not a specification; it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product nor where instructions or recommendations are not followed. All information is given in good faith but without guarantee in respect of accuracy, and no responsibility is accepted for errors and omissions or the consequence thereof.