Date of issue/ Date of revision: 15.11.2023Date of previous issue: 09.06.2020Version: 4.0



SAFETY DATA SHEET

YaraVita Maize Pholate

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier : YaraVita Maize Pholate

Product type : Solid (Powder.)

Product code : PYP69W

<u>Uses</u>

Area of application: Industrial applications, Professional applications Professional

applications

Material uses : Fertilizers.

Supplier

Supplier's details : Yara Africa Fertilizers (Pty) Ltd

Address

Street : The Pivot at Montecasino, 2nd floor, Block C

No 1 Montecasino Boulevard, Fourways

Postal code : 2191

City : Johannesburg
Country : South Africa

P.O. Box Address

P.O. Box : PBX10/1077

Postal code : 2086

City: JohannesburgCountry: South Africa

 Telephone number
 : +27(0)11011 9230

 Fax no.
 : +27(0)11388 4459

 e-mail address of person
 : infosa@yara.co.za

responsible for this SDS

Emergency telephone number : +27 21 300 2732 (24/7)

National advisory body/Poison Center

Name : Poison Information Centre

Telephone number : +27 21 938-6084 / +27 21 931-6131

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SECTION 2: Hazards identification

Classification of the substance or mixture. ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SKIN CORROSION/IRRITATION - Category 2

SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1

TOXIC TO REPRODUCTION - Category 1B

SPECIFIC TARGET ORGAN TOXICITY (REPEATED

EXPOSURE) (respiratory tract) - Category 2 AQUATIC HAZARD (ACUTE) - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 1

Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 39,8 %

GHS label elements

Hazard pictograms









Signal word Danger

Hazard statements Harmful if swallowed or if inhaled. H302 +

H332

Causes skin irritation. H315

H318 Causes serious eye damage.

May damage fertility or the unborn child. H360 May cause damage to organs through H373 prolonged or repeated exposure.

(respiratory tract)

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting

effects.

Precautionary statements

Prevention P202 Do not handle until all safety precautions

have been read and understood.

P280 Wear protective gloves/clothing and

eye/face protection.

P260 Do not breathe dust.

P271 Use only outdoors or in a well-ventilated

P270 Do not eat, drink or smoke when using this

product.

P273 Avoid release to the environment.

P264+P Wash hands thoroughly after handling. Do

265 not touch eyes.

Response P391 Collect spillage.

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P301	IF SWALLOWED:
P313	Get medical advice/attention.
P330	Rinse mouth.
P362 +	Take off contaminated clothing and wash it
P364	before reuse.
P332 +	If skin irritation occurs, seek medical
P313	advice/attention.
P314-a	Get medical attention if you feel unwell.
P304	IF INHALED:
P340	Remove person to fresh air and keep
	comfortable for breathing.
P302	IF ON SKIN:
P352	Wash with plenty of soap and water.
P308	IF exposed or concerned:
P313	Get medical attention.
P305	IF IN EYES:
P351	Rinse cautiously with water for several
	minutes.
P338	Remove contact lenses, if present and easy
	to do. Continue rinsing.

Storage

P405 Store locked up.

Disposal

P501 Dispose of contents and container in

accordance with all local, regional, national

and international regulations.

Other hazards which do not result in classification

Additional information

None.

Section 3. Composition/information on ingredients

None known.

Substance/mixture Mixture

Ingredient name	%	CAS number
tetrasodium ethylene diamine tetraacetate	>= 35 - <= 45	64-02-8
zinc sulphate (monohydrate)	>= 25 - <= 35	7446-19-7
disodium [[N,N'-ethylenebis[N-	>= 10 - <= 15	14025-15-1
(carboxymethyl)glycinato]](4-)-		
N,N',O,O',ON,ON']cuprate(2-)		
disodium octaborate tetrahydrate	>= 3 - <= 5	12280-03-4
copper sulphate pentahydrate	>= 3 - <= 5	7758-99-8
citric acid	>= 1 - <= 2	77-92-9
sodium hydroxide	>= 0,3 - <= 1	1310-73-2

Date of issue: 15.11.2023 Page:3/17 There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Remark : This product contains Boron (see section 7 and 11).

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with running water for at least 15

minutes, keeping eyelids open. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Continue to rinse for at least 10 minutes. Check for and remove any contact lenses. Get medical attention

immediately.

Inhalation : Get medical attention immediately. Remove victim to fresh air

and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.

Loosen tight clothing such as a collar, tie, belt or waistband.
Flush contaminated skin with plenty of water. Continue to rinse

for at least 10 minutes. Remove contaminated clothing and

shoes. Get medical attention.

Ingestion : Wash out mouth with water. If material has been swallowed

and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if you feel unwell. Remove victim to fresh air and keep at rest in a position

comfortable for breathing.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Skin contact

Eye contact : Causes serious eye damage.

Inhalation: Harmful if inhaled. Exposure to airborne concentrations above

statutory or recommended exposure limits may cause irritation

of the nose, throat and lungs.

Skin contact : Causes skin irritation.

Ingestion : Harmful if swallowed. May cause burns to mouth, throat and

stomach.

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following: pain, watering,

redness

Inhalation : Adverse symptoms may include the following: respiratory tract

irritation, coughing

Skin contact: Adverse symptoms may include the following: irritation, redness

Ingestion : No specific data.

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Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments
Protection of first-aiders

: No specific treatment.

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

SECTION 5: Firefighting measures

Extinguishing media

media

Suitable extinguishing media Unsuitable extinguishing

: None identified.

Specific hazards arising from the chemical

: This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Use an extinguishing agent suitable for the surrounding fire.

Hazardous thermal decomposition products

: Decomposition products may include the following materials: sulfur oxides, metal oxide/oxides, Avoid breathing dusts, vapors or fumes from burning materials., In case of inhalation of decomposition products in a fire, symptoms may be delayed.

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Remark : Non-explosive.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

For emergency responders

: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions

Avoid dispersal of spilled material and runoff and contact with

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soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

Methods and materials for containment and cleaning up

Small spill

: Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Large spill

Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Not for human or animal consumption.

Protective measures

Put on appropriate personal protective equipment (see Section 8). Do not handle until all safety precautions have been read and understood. As a precaution, keep exposure as low as possible for pregnant women, children and workers in reproductive age. Avoid dust generation. Do not breathe dust. Do not breathe dust. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in

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unlabeled containers. Use appropriate containment to avoid environmental contamination.

Specific recommendations to end users

Do not generate and inhale liquid fertilizer aerosols.

In addition to overalls, gloves and eye protection, use of efficient respiratory protection (P2/P3 respirators with a tight face seal) during discharge of fertilizer bags and maintenance of equipment is recommended to minimize inhalation exposure and to ensure safe-use during this activity (see section 8).

Risk assessments show safe use during normal spreading of fertilizers containing below 5% of boron by tractor (liquid or granular) and backpack (liquid).

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
copper sulphate pentahydrate	DOL OEL (2022-09-29).
	TWA 2 mg/m3 (as Cu) Form: Dusts and mists
	·
sodium hydroxide	DOL OEL (2022-09-29).
	STEL 4 mg/m3

Appropriate engineering controls

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures

: A washing facility or water for eye and skin cleaning purposes should be present. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Wash contaminated clothing before reusing.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If operating conditions cause high dust concentrations to be produced, use dust goggles.
Recommended: Tightly-fitting goggles, Europe:, CEN:

EN166.

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Skin protection

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. For general applications, we recommend gloves with a thickness typically greater than 0.35 mm. It should be emphasized that glove thickness is not necessarily a good predictor of glove resistance to a specific chemical, as the permeation efficiency of the glove will be dependent on the exact composition of the glove material. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties.

> 8 hours (breakthrough time): Protective gloves should be worn under normal conditions of use.

Body protection Personal protective equipment for the body should be selected

based on the task being performed and the risks involved.

Appropriate footwear and any additional skin protection Other skin protection measures should be selected based on the task being

performed and the risks involved and should be approved by a

specialist before handling this product.

Respiratory protection Use a properly fitted, particulate filter respirator complying with

an approved standard if a risk assessment indicates this is

necessary.

Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe

working limits of the selected respirator.

Use respiratory protection with more than 94% efficiency (P2, P3 or N95) and a tight face seal, when risk of exposure to

dust.

Personal protective equipment

(Pictograms)







Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state Solid [Powder.]

Color Blue., Odor Odorless.

6,9 [Conc. (% w/w): 5 g/l] Нα

Melting point/freezing point 263 °C (505 °F) Boiling point, initial boiling Not applicable.

point, and boiling range

Not applicable. Flash point **Flammability** Non-flammable.

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Lower: Not applicable. Upper: Not applicable.

Vapor pressure Relative vapor density Not applicable.Not applicable.

Relative density

: Not applicable.

Bulk density

: 1.030 kg/m3

Density

Not applicable.

Solubility(ies)

soluble in water

Solubility in water

20 g/l

Miscibility with water Partition coefficient: nNot relevant/applicable due to nature of the product.

octanol/water

Not applicable.

Auto-ignition temperature Decomposition temperature

Not applicable.Not applicable.

Viscosity

: Kinematic: Not applicable.

Explosive properties

: Non-explosive.

None

Oxidizing properties

No oxidizing ingredients present.

Particle characteristics

Median particle size

Not determined.

Section 10. Stability and reactivity

Reactivity

 No specific test data related to reactivity available for this product or its ingredients.

Chemical stability

The product is stable.

Possibility of hazardous

reactions

: Under normal conditions of storage and use, hazardous

reactions will not occur.

Conditions to avoid

Avoid contamination by any source including metals, dust and

organic materials.

Incompatible materials

No specific data.

Hazardous decomposition

products

: Under normal conditions of storage and use, hazardous

decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

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Acute toxicity

Product/ingredient	Method	Species	Result	Exposure
name				
tetrasodium ethylene dia				
	OECD 401	Rat	1.780 mg/kg	Not applicable.
	LD50 Oral			
zinc sulphate (monohyd				
	OECD 401	Rat	926 mg/kg	Not applicable.
	LD50 Oral			
disodium [[N,N'-ethylene	ebis[N-(carboxymethyl)c	glycinato]](4-)-	N,N',O,O',ON,ON']cur	orate(2-)
	OECD 403	Rat	890 mg/kg	Not applicable.
	LD50 Oral			
	LC50 Inhalation	Rat	> 5,32 mg/l	4 h
	Dusts and mists			
	OECD 402	Rat	> 5.000 mg/kg	Not applicable.
	LD50 Dermal			
disodium octaborate tet				
	LD50 Oral	Rat	2.550 mg/kg	Not applicable.
	OECD 403	Rat	> 5 mg/l	4 h
	LC50 Inhalation			
	Dusts and mists			
	LD50 Dermal	Rabbit	> 5.000 mg/kg	Not applicable.
copper sulphate pentah	-			
	OECD 401	Rat	481 mg/kg	Not applicable.
	LD50 Oral			
	OECD 402	Rat	> 5.000 mg/kg	Not applicable.
	LD50 Dermal			
citric acid				
	LD50 Oral	Rat	5.790 mg/kg	Not applicable.

Conclusion/Summary

: Harmful by inhalation and if swallowed.

Irritation/Corrosion

Product/ingredient	Method	Species	Result	Exposure
name				
tetrasodium ethylene o	diamine tetraacetate			
	OECD 405	Rabbit	Damage	
	Eyes		Ŭ	
zinc sulphate (monohy	drate)	•		•
	Eyes	Rabbit	Severe irritant	
copper sulphate penta	hydrate	·	1	•
	OECD 405	Rabbit	Severe irritant	
	Eyes			
citric acid				
	Skin	Rabbit	Mild irritant	
	Eyes	Rabbit	Severe irritant	
sodium hydroxide	ı	·	1	1
	Skin	Rabbit	Severe irritant	

Conclusion/Summary

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Skin : Causes skin irritation.

Eyes : Causes serious eye damage.

Respiratory: No known significant effects or critical hazards.

Sensitization

Conclusion/Summary

Skin : No known significant effects or critical hazards. Respiratory : No known significant effects or critical hazards.

Mutagenicity

Conclusion/Summary : No known significant effects or critical hazards.

Carcinogenicity

Conclusion/Summary: No known significant effects or critical hazards.

Reproductive toxicity

Conclusion/Summary : May damage fertility or the unborn child.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
citric acid	Category 3	-	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
tetrasodium ethylene	Category 2	inhalation	respiratory tract
diamine tetraacetate			

Aspiration hazard

No known significant effects or critical hazards.

Information on the likely

routes of exposure

Not available.

Potential acute health effects

Eye contact : Causes serious eye damage.

Inhalation : Harmful if inhaled. Exposure to airborne concentrations above

statutory or recommended exposure limits may cause irritation

of the nose, throat and lungs.

Skin contact : Causes skin irritation.

Ingestion: Harmful if swallowed. May cause burns to mouth, throat and

stomach.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following: pain, watering,

redness

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Inhalation : Adverse symptoms may include the following: respiratory tract

irritation, coughing

Skin contact : Adverse symptoms may include the following: irritation,

redness

Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Product/ingredient name	Method	Species	Result	Exposure			
tetrasodium ethylene diamine tetraacetate							
	OECD 413 Sub-chronic	Rat	3 mg/m³ Continuous	65 days 6 hours per day			
	NOAEL		Continuous	nours per day			
	Inhalation						

Carcinogenicity: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Reproductive toxicity : May damage fertility or the unborn child.

Other effects : May cause damage to organs through prolonged or repeated

exposure. Repeated or prolonged inhalation of dust may lead

to chronic respiratory irritation.

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following: pain, watering,

redness

Inhalation : Adverse symptoms may include the following: respiratory tract

irritation, coughing

Skin contact : Adverse symptoms may include the following: irritation, redness

Ingestion : No specific data.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral	Dermal	Inhalation (gases)	Inhalation (vapors)	Inhalation (dusts and mists)
YaraVita Maize Pholate	1245,3 mg/kg	N/A	N/A	N/A	2,5 mg/l
tetrasodium ethylene diamine tetraacetate	1780 mg/kg	N/A	N/A	N/A	1,5 mg/l
zinc sulphate (monohydrate)	926 mg/kg	N/A	N/A	N/A	N/A

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disodium [[N,N'- ethylenebis[N- (carboxymethyl)glycinato]] (4-)- N,N',O,O',ON,ON']cuprate (2-)	890 mg/kg	N/A	N/A	N/A	N/A
disodium octaborate tetrahydrate	2550 mg/kg	N/A	N/A	N/A	N/A
copper sulphate pentahydrate	481 mg/kg	N/A	N/A	N/A	N/A
citric acid	5790 mg/kg	N/A	N/A	N/A	N/A

Section 12. Ecological information

Toxicity

Product/ingredien	Method	Species	Result	Exposure
t name		_		-
tetrasodium ethylene	diamine tetraacetate)		
	Acute LC50	Fish	> 1.000 mg/l	96 h
	Fresh water			
zinc sulphate (monoh	nydrate)			
	Acute LC50	Fish	0,1 - 1 mg/l	96 h
	Fresh water			
	Acute EC50	Daphnia	0,1 - 1 mg/l	48 h
	Fresh water			
disodium [[N,N'-ethyl				
	OECD 203	Fish	555 mg/l	96 h
	Acute LC50			
	OECD 202	Daphnia	100,9 mg/l	48 h
	Acute EC50			
disodium octaborate	tetrahydrate			
	Acute LC50	Fish	350 mg/l	96 h
	Acute EC50	Daphnia	2.530 mg/l	48 h
	Acute LC10	Algae	115 mg/l	96 h
	Fresh water			
copper sulphate pent				
	Acute LC50	Fish	0,032 mg/l	96 h
	Fresh water			
	Acute NOEC	Daphnia	0,029 mg/l	Not applicable.
	Fresh water			
citric acid	1	1	T	1
	Acute LC50	Fish	> 100 mg/l	96 h
	Fresh water			
sodium hydroxide				
	Acute LC50	Fish	35 - 186 mg/l	96 h
	Fresh water			

Conclusion/Summary

: Very toxic to aquatic life with long lasting effects.

Persistence and degradability

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Conclusion/Summary : Readily biodegradable in plants and soils.

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
tetrasodium ethylene diamine	5,01	1,80	low
tetraacetate			
disodium [[N,N'-	< 0	Not applicable.	low
ethylenebis[N-			
(carboxymethyl)glycinato]](4-			
)-			
N,N',O,O',ON,ON']cuprate(2-			
disodium octaborate	-0,757	Not applicable.	low
tetrahydrate			
citric acid	-1,8	Not applicable.	low

Conclusion/Summary: The product does not show any bioaccumulation

phenomena.

Mobility in soil

Soil/water partition : Not available. coefficient (KOC)

Mobility : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Product

Methods of disposal

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

UN	IMDG	IATA

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UN number	3077	3077	3077
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc sulphate, copper sulphate pentahydrate,)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc sulphate, copper sulphate pentahydrate,)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc sulphate, copper sulphate pentahydrate,)
Transport hazard class(es)	9	9	9
Packing group	III	III	III
Environmental hazards	Yes.	Yes.	Yes.

Additional information

IMDG : <u>Emergency schedules (EmS)</u> F-A, S-F

14.6 Special precautions for user

: Transport within user's premises: Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to IMO instruments

Proper shipping name Remarks

: FERTILIZERS WITHOUT

NITRATES

: Solid bulk cargoes
Harmful to the marine

environment with regard to MARPOL Annex V: Yes Material is hazardous only in bulk according to the IMSBC:

No

IMSBC shipping group: C

Section 15. Regulatory information

Section 16. Other information

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Key to abbreviations

ADN = European Provisions concerning the International Carriage of

Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of

Dangerous Goods by Road ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor

bw = Body weight

GHS = Globally Harmonized System of Classification and Labelling of

Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

N/A = Not available

RID = The Regulations concerning the International Carriage of Dangerous

Goods by Rail

SUSMP - Standard Uniform Schedule of Medicine and Poisons

SGG = Segregation Group UN = United Nations

Procedure used to derive the classification

Classification	Justification
ACUTE TOXICITY (oral) - Category 4	Calculation method
ACUTE TOXICITY (inhalation) - Category 4	Calculation method
SKIN CORROSION/IRRITATION - Category	Calculation method
2	
SERIOUS EYE DAMAGE/ EYE	Calculation method
IRRITATION - Category 1	
TOXIC TO REPRODUCTION - Category 1B	Calculation method
SPECIFIC TARGET ORGAN TOXICITY	Calculation method
(REPEATED EXPOSURE) (respiratory	
tract) - Category 2	
AQUATIC HAZARD (ACUTE) - Category 1	Calculation method
AQUATIC HAZARD (LONG-TERM) -	Calculation method
Category 1	

Key data sources : EU REACH ECHA/IUCLID5 CSR.

National Institute for Occupational Safety and Health, U.S. Dept. of Health, Education, and Welfare, Reports and Memoranda Registry of Toxic Effects of Chemical

Substances.

Sphera Solutions Inc., 4777 Levy Street, St Laurent, Quebec HAR 2P9, Canada.Regulation (EC) No 1272/2008 Annex VI.

History

Date of printing: 20.11.2023Date of issue/Date of revision: 15.11.2023Date of previous issue: 09.06.2020

Revision comments : The safety data sheet has been revised according to HCA

44348:2021.

Version : 4.0

Prepared by : Product Stewardship and Compliance (PSC).

Indicates information that has changed from previously issued version.

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YaraVita Maize Pholate

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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