

**SAFETY DATA SHEET
KAMPIOEN**

Revision date: 2024-10-05

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name KAMPIOEN
Active Ingredient(s) A Plant Growth Phase Management Product
Chemical Family FERTILIZER

Manufacturer Address

Green Island Investments (Pty) Ltd
Co. Reg. No.: 2013/043963/07
PO Box 1822
Heidelberg
1438
Tel: 011 812 9800

Emergency telephone number

24 HOUR EMERGENCY NUMBER
Gerhard Verdoorn, Griffon Poison Information Centre +27 82 446 8946

2. HAZARDS IDENTIFICATION

Classification

Eye irritation, category 2A
Skin Irritation, category 2

GHS Label elements, including precautionary statements



Hazard Statement:

H317 May causes skin irritation
H321 May causes eye irritation
H335 May cause respiratory irritation

Precautionary Statement:

P270 Do not eat, drink, or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P103 Read carefully and follow all instructions.
P261 Do not inhale dust / mist.
P264 Wash exposed skin thoroughly after handling
P271 Use in well ventilated areas
P265 Do not touch eyes.
P233 + P403 Keep container tightly closed, store in a well-ventilated place.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Family		Non-silicate minerals / Inorganic salt / chemical sedimentary rocks		
Chemical name			CAS-No	g/lit
Urea			57-13-6	19.6%
MAP			7722-76-1	22.2%
Magnesium Nitrate			13446	27.1
Other inserts of no concern				

Synonyms are provided in Section 1.

4. FIRST AID MEASURES

Description of first aid measures:

In case of inhalation: If inhaled, remove to fresh air. Dust in throat and nasal passage should clear spontaneously. Get medical attention if required.

In case of skin contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation persists or develops later.

In case of eye contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes while holding the eyelid(s) open. Cold water may be used. Do not rub eyes. Get medical attention.

In case of ingestion: If gastrointestinal discomfort occurs and if person is conscious give large quantity of water and induce vomiting. Never attempt to make an unconscious person drink or vomit. Get medical attention.

Most important symptoms and effects, both acute and delayed:

Symptoms/injuries after inhalation: May cause respiratory irritation.

Symptoms/injuries after skin contact: Causes skin irritation.

Symptoms/injury after eye contact: Causes eye irritation.

Advice to physician:

Provide general supportive measures and treat symptomatically.

Indication of any immediate medical attention and special treatment needed:

Treat symptomatically

5. FIRE-FIGHTING MEASURES

Extinguisher media:

Suitable extinguisher media: Dry chemical fire extinguisher. Foam. Dry powder. Carbon dioxide. Sand.

SMALL FIRE: Dry chemical fire extinguisher. Foam. Dry powder. Carbon dioxide. Sand.

LARGE FIRE: Dry chemical fire extinguisher. Foam. Dry powder. Carbon dioxide. Sand. Not flammable, use media compatible with surrounding fire.

Unsuitable extinguishing media: Do not use high volume water jet, due to contamination risk.

Advice for fire-fighters:

Keep personnel away from and upwind of fire. Wear full fire fighting personal protective clothing and respiratory protection (SCBA).

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Protective equipment: Safety glasses, gloves, dust mask.

Isolate area. Keep unnecessary and unprotected personnel from entering the area. Refer to Section 7, Handling, for additional precautionary measures. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

For emergency responders:

Protective equipment: Equip clean-up crew with proper protection.

Use an approved/certified respirator or equivalent, isolate the spill area and limit the access to emergency responders only. Avoid any contact with spilled material, use adequate protective clothes and gloves.

Environmental precautions:

Prevent entry to sewers and public waters. Notify authorities of potential contamination.

Methods for containment and cleaning up:

On land sweep or shovel into suitable containers. Minimize dust generation. Store away from other materials.

For small spills Use dry methods to collect spilled materials. Avoid generating dust. Do not clean up with compressed air. Store collected materials in a dry, sealed container. Dispose of container as per local regulations.

For large spills as much as possible avoid the generation of dust. Do not clean up with compressed air. Store collected materials in a dry, sealed container. Dispose of container as per local regulations.

Reference to other sections:

See section 7 for information on safe handling.

See section 8 for information on personal protection.

Equipment see section 13 for information on disposal.

Additional information:

None.

7. HANDLING AND STORAGE

Handling

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when finished handling product. Provide good ventilation in process areas to prevent formulation of vapor. Avoid breathing dust. Use only outdoors or in a well-ventilated area. Avoid direct skin contact.

Storage

Keep in a dry, cool and well-ventilated location. Do not store near incompatible materials. Keep away from moisture. Do not store or ship in aluminium containers.

Incompatible products

Strong oxidizers. Strong acids,
Acids (unless in a controlled process),
Reactive fluoridated compounds,
Reactive brominated compounds,
Reactive powder metals,
Organic acid anhydrides,
Nitro-organic compounds,
Reactive phosphorous compounds,
Interhalogen compounds,

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

Legend

OSHA - Occupational Safety and Health Administration

NIOSH IDLH: NIOSH - National Institute for Occupational Safety and Health

Exposure control:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. A Risk Assessment should be conducted before handling is to commence to determine specific exposure control. Provide ventilation adequate to maintain PEL's.

Appropriate engineering controls: Provide exhaust ventilation or other engineering controls. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Hygiene measures: 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. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

Individual protection measures, such as personal protective equipment:

Eye/face protection: Use safety glasses. If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles.

Hand protection: Use chemical resistant gloves. Examples of preferred glove barrier materials include Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, Polyvinyl alcohol, Polyvinyl chloride.

Body protection: Appropriate impervious clothing is required to prevent skin contact with the product.

Respiratory protection: Respiratory protection is required; use an approved air-purifying respirator.

Environmental exposure controls: Prevent product from entry into sewers and water courses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	liquid
Physical State	liquid
Color	Clear green liquid
Odor	Odorless
Flammability	Not flammable
Vapor pressure	0 mmHg (approx)
Vapor density	No information available
Density	1.185 – 1.200 g/ml @20 degrees
Specific gravity	4.0 – 4.52
Water solubility	Not applicable
Bulk density	No information available

10. STABILITY AND REACTIVITY

Reactivity: The product is stable under normal conditions.

Chemical stability:

Stable under normal storage conditions.

Possibility of hazardous reactions: Reactive to Strong oxidizers, strong acids, Reactive brominated compounds, Reactive powder metals, Organic acid anhydrides, Nitro-organic compounds, Reactive phosphorous compounds Interhalogen compounds.

When heated to decomposition it emits acid smoke and irritating vapors, generating dangerous fumes or gases.

Conditions to avoid:

Strong oxidizers, strong acids.

Direct sunlight, extremely high or low temperatures.

Incompatible materials:

Strong oxidizers. Strong acids,
Acids (unless in a controlled process),
Reactive fluoridated compounds,
Reactive brominated compounds,
Reactive powder metals,
Organic acid anhydrides,
Nitro-organic compounds,
Reactive phosphorous compounds,
Interhalogen compounds,

Hazardous decomposition products: Carbon dioxide, carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Product Information

LD50 Oral	> 5000 mg/kg (rat)
LD50 Dermal	> 5000 mg/kg (rat)

LC50 Inhalation	4h >3mg/l
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Serious eye damage/eye irritation	Causes eye irritation.
Skin corrosion/irritation	Causes skin irritation.
Sensitization	Not a sensitizer.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity	No data from mutagenicity or genotoxicity studies identified
STOT - single exposure	May cause respiratory irritation
STOT - repeated exposure	Not classified

12. ECOLOGICAL INFORMATION

Persistence and degradability	readily biodegradable.
Bioaccumulation	Unlikely
Mobility	No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Consider suitable waste recycling, re-use or recovery options. Dispose of in accordance with municipal, provincial and national regulations. Waste Classification and Management Regulations (GN 634 of 2013). Dispose and or manage in accordance with the requirements contained in R634 Waste Classification & Management Regulations, R635 National Norms & Standards for the Assessment of Waste for Landfill Disposal and R636 National Norms & Standards for Disposal of Waste to Landfill.

Product/ packaging disposal:

Treat as hazardous waste and dispose of in accordance with municipal, provincial and national regulations.

14. TRANSPORT INFORMATION

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number			
UN Proper shipping name:	NOT DANGEROUS GOODS Kampioen	NOT DANGEROUS GOODS Kampioen	NOT DANGEROUS GOODS Kampioen
Transport hazard class:			
Packaging group:			
Marine pollutant:	no	no	no
Special precautions for user:	Not required	Not required	Not required
Transport in bulk according to MARPOL 73/78 Annex II and the IBC code	Not required	Not required	Not required

Inland waterways: Not required.

Emergency response information: No information.

15. REGULATORY INFORMATION**Safety, health and environmental regulations/legislation for the mixture:**

Relevant information regarding authorization: Occupational Health and Safety Act 1993. Regulation for Hazardous Chemical Agents, 2021. UN Recommendations on the Transport of Dangerous Goods Model Regulations Rev. 21 (2019), Globally Harmonized System of Classification and Labelling of Chemicals (GHS) Rev 9, 2021.

Relevant information regarding restrictions:

EU regulations: Regulation EC 1272/2008 [EU-GHS/CLP].

Other National regulations: National Road Traffic Act, 1996 (ACT NO. 93 of 1996).

SANS 10228:2012- The identification and classification of dangerous goods for transport by road and rail modes. National Environmental Management: Waste Act 59 of 2008.

Chemical Safety Assessment carried out? No

16. OTHER INFORMATION**Indication of changes:**

All sections.

Relevant Hazard statements (number and full text):

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

Training instructions: No special training required. Read label of product.

Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Notice to readers:

Employers should use this information only as a supplement to other information gathered by them and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees.

This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.