# Safety Data Sheet

**CAL WDP**
SDS No: SDS063/000
Effective Date: 18/11/2021
Revision no: 000
Product Code: 63000

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## SECTION 1
## COMPANY AND CHEMICAL PRODUCT IDENTIFICATION

**Product Name: CAL WDP**
**Chemical Identifier: BORIC ACID, CALCIUM CARBONATE AND MAGNESIUM CARBONATE**
**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
**Telephone:** (011) 392 4072
**Website:** www.nutrico.co.za


**Emergency Contact Numbers**
Griffon Poison Information: +27 82 446 8946

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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) | - | - | - |
| Acute toxicity (dermal) | - | - | - |
| Inhalation | - | - | - |
| Skin irritation | - | - | - |
| Eye irritation | 2 | H319 | Causes serious eye irritation |
| Reproductive | 1B | H360 | May Damage fertility or the unborn child |
| STOT SE | - | - | - |
| **Environmental** | | | |
| Aquatic | - | - | - |

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

**Hazard pictograms**

**Signal word – Danger**

**Precautionary statements**

| | |
|---|---|
| P280 | Wear impervious rubber gloves and chemical safety goggles. |
| P302/352 | IF ON SKIN: Wash with plenty of water and soap. . |
| 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: None

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## 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 |
|---|---|---|---|---|
| Magnesium Carbonate | 12125-28-9 | 235-192-7 | < 10 | H319 |
| Calcium Carbonate | 471-34-1 | | 30 - 60 | H319 |
| BORIC ACID | 10043-35-3 | - | 10 - 30 | H360 |

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## 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:** Remove contaminated clothing and shoes. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. Obtain medical attention if irritation persists.

**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:** Causes serious eye irritation
May damage fertility or the unborn child

**IMPORTANT DELAYED EFFECTS:** None known

**NOTE TO PHYSICIAN:** This product contains Boric acid. Treat symptomatically and supportively.

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## 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. |

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## SECTION 6
## ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| **Personal Precautions:** | Avoid contact with eyes. Do not breathe in spray mist or fumes. Ventilate area of spill or leak, especially in contained areas. |
| **Protective equipment:** | Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product |
| **Emergency procedures:** | Alert firefighting personnel, evacuate unprotected personnel and animals. |
| **Environmental Precautions:** | Prevent spilled product from entering sewers, waterways or ground water. This product is classified to be Toxic to aquatic organisms and causes long-term adverse effects in the aquatic environment. Any spillages or uncontrolled discharges into watercourses should be reported immediately to the police and the Department of Water/Environmental Affairs. |
| **Methods & Materials for Containment:** | Contain spilled product by diking area with sand or earth. |
| **Methods & Materials for Clean-up:** | Cover contained spill with an inert absorbent material such as sand, vermiculite, earth or other appropriate material. Vacuum, scoop, or sweep up material and place the material into a clean, dry, sealable container. Label containers with the contents and dispose of according to local regulations. Do not place spilled material back in original container. Do not re-use spill material. Collect washings and add to the drums already collected. Do not flush spilled material or washings into drains or waterways. To decontaminate the spill area, tools and equipment, wash with |

water and suitable detergent. See section 13 for disposal considerations.

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## SECTION 7
## HANDLING AND STORAGE

**HANDLING**

**Precautions for safe handling:** Avoid contact with skin and eyes. 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:** Wash hands and contacted areas with water when done.

**STORAGE**

**Conditions for safe storage:** Store in a dry, cool place

**Incompatible substances and mixtures:** Strong oxidizing agents

**Packaging material:** Foil Bag, 5bags per box

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## 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.

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## 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) | 6.9 – 7.7 | CIPAC MT 75.3 |
| Melting/Freezing point | Not applicable | |
| Boiling point | Not applicable | |
| Flash point | Not applicable | |
| Flammability | Not applicable | |
| Vapour pressure | Not applicable | |
| Relative Vapour Density | Not applicable | |
| Density | 0.95 – 1.05 g/mL | Pycnometer |
| Solubility | Insoluble in water | Sieve analysis |
| 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 | |

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## 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

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## SECTION 11
## TOXICOLOGICAL INFORMATION

**GHS Classification:** Causes serious eye irritation (H319)
May damage fertility or the unborn child (H360)

| Toxicity | Effective dose/ concentration | Value | Species | Method |
|---|---|---|---|---|
| Acute Oral | $LD_{50}$ | > 5000 mg/kg | Rat | ATE Calculation |
| Acute Dermal | $LD_{50}$ | > 5000 mg/kg | Rabbit | |
| Acute Inhalation | $LC_{50}$ | > 5 mg/l (4 h) | Rat | |
| Skin irritation | No acute symptoms expected. | | | |
| Eye damage | Causes serious eye irritation | | | |
| Skin sensitization | $LD_{50}$ | > 2000 mg/kg bw | Guinea Pig | OECD 406 |
| Respiratory sensitization | Not known to be a respiratory sensitizer. | | | |
| Mutagenicity/Genotoxicity: | Not classified. | | | |
| Carcinogenicity | Group E Evidence of Non-carcinogenicity for Humans | | | |
| Reproductive toxicity | Suspected of damaging fertility or unborn child category 2 | | | |
| Single target organ toxicity: | Not classified. | | | |
| Chronic effects (e.g developmental) | Slight skin irritation. May cause slight eye irritation. May cause nausea vomiting diarrhoea and cyanosis after ingestion. | | | |

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## SECTION 12
## ECOLOGICAL INFORMATION

**GHS Classification:** The product is not classified as an environmental Hazard

| **Toxicity** | Effect dose/ concentration | Value | Test duration | Species | Method/Source |
|---|---|---|---|---|---|
| **Aquatic** | | | | | |
| Fish | $LC_{50}$ | 1100 mg/L | 96 h | *Rainbow trout* | OECD 203 |
| Crustacea | $EC_{50}$ | 226 mg/L | 48 h | *Daphnia magna* | OECD 202 |
| **Terrestrial** | | | | | |
| Birds | $LD_{50}$ | > 8200 mg/kg | 96 h | *Bobwhite quail* | OECD 223 |
| | $LC_{50}$ | > 13100 | 96 h | *Mallard ducks* | OECD 223 |
| Bees | $LD_{50}$ (contact) | mg/kg<br>> 362 µg/bee | 48 h | Honey bee | OECD 213 |

**ENVIRONMENTAL EFFECTS**

**Persistence and degradability:** Persistence is unlikely

**Bio-accumulative Potential:** Highly water soluble materials are unlikely to bioaccumulate to any significant degree, and borate species are all present essentially as undissociated boric acid at neutral pH. The octanol/water partition coefficient for boric acid has been measured as 0.175, indicating low bioaccumulation potential.

**Mobility in soil:** Due to its water solubility, it is likely to be mobile in the soil.

**Other adverse effects:** Not determined

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## 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.

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## SECTION 14
## TRANSPORT INFORMATION

**UN Number:** Not regulated

**Road Transport ADR/IRD:**
Class: Not applicable
Packaging group: Not applicable
UN Proper Shipping Name: Not applicable

**Maritime Transport IMDG/IMO:**
Class: Not applicable
Packaging group: Not applicable
UN Proper Shipping Name: Not applicable

**Air Transport IATA/ICAO:**
Class: Not applicable
Packaging group: Not applicable
UN Proper Shipping Name: Not applicable

**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

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## SECTION 15
## REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation for the mixture:** OHSA 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

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## 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