

ZINNIT®

ZINC NITRATE SOLUTION

Reg. No. B2098 Act No. 36 of 1947

Namibian Reg. No. N-F 0244

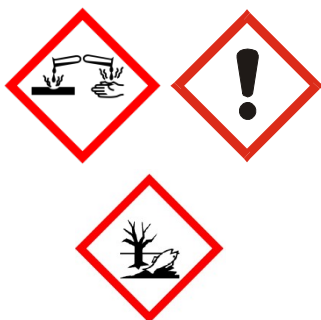
FERTILIZER GROUP 2

ZINNIT, Zinc Nitrate Solution, is a water soluble zinc to be used for rapid correction of zinc deficiencies in field - and vegetable crops, subtropical (pecans and avocados) and citrus. Zinc deficiencies occur mainly in alkaline or highly leached acid and sandy soils, following heavy lime or phosphate applications and in soils with an extremely high P-status.

COMPOSITION:

Zinc (Zn) 120 g/kg (158 g/l)

Nitrogen (N) 51 g/kg (67 g/l)



GHS HAZARD STATEMENTS

Harmful if swallowed.

Causes severe skin burns and eye damage.

May cause respiratory irritation.

Very toxic to the aquatic environment with long lasting effects.

GHS PRECAUTIONARY STATEMENTS

Wash thoroughly after handling.

Avoid release to the environment.

DANGER

Batch No:



REGISTRATION HOLDER:

Gouws and Scheepers Pty (Ltd)

Reg No.1954/003213/07

Trading as PLAASKEM

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WITFIELD

1467

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UN number: **3264** – CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S (Nitric acid)

WARNINGS:

GHS HAZARD STATEMENTS

Harmful if swallowed.
Causes severe skin burns and eye damage.
May cause respiratory irritation.
Very toxic to the aquatic environment with long lasting effects.

PRECAUTIONS:

GHS PRECAUTIONARY STATEMENTS

Wash thoroughly after handling.
Avoid release to the environment.
Wear protective gloves/ protective clothing/ eye protection/ face protection.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Immediately call a POISON CENTRE.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

RELEVANT SUBSTANCES:

Substance name (IUPAC/EC)	Concentration % by weight	Classification
		EC1272/2008
Zinc nitrate	30-40%	Oxidising solid (Category 2) H272. Acute toxicity oral (Category 4) H302. Skin irritation (Category 2) H315. Eye irritation (Category 2) H319. STOT SE 3 H335. Aquatic acute 1 H400. Aquatic chronic 1 H410.
Nitric acid	1-3%	Skin corrosion (Category 1C) H314. Acute toxicity inhalation (Category 3) H331.

NOTE: The other ingredients not included above, do not cause or contribute towards the correct GHS classification of **ZINNIT** and are therefore, in terms of the South African Regulations for Hazardous Chemical Agents - 2021; Regulation 14(b), not listed.

COMPATIBILITY:

To improve the efficiency of treatment use, a suitable acidifier-wetter-penetrant such as **Bladbuff 7**. Mix **Bladbuff 7** thoroughly with the water before adding **ZINNIT**.

RECOMMENDATIONS:

1. Subtropical fruit orchards (pecans, avocados, citrus and others).

Apply as a spring treatment to young foliage (spring flush). In acute cases of deficiency repeated treatments during the summer months may be necessary.

Use 50 – 75 ml **ZINNIT** in 100 l water with a spray volume of 4 000 - 5 000 l water/ha. (2 - 3,75 l **ZINNIT** /ha).
Apply as a cover spray and use higher rate where severe deficiencies occur.

2. Field and vegetable crops (sweetcorn, maize, small grain, beans, onions and others).

Apply during early growth stages on young leaves. Under conditions favouring zinc deficiencies successive applications are advisable.

Use 250 - 500 l water/ha and do not exceed 1 l **ZINNIT** /ha per treatment.

3. Fertigation (tomatoes, lettuce and others).

Where irrigation systems are used for feeding purposes, apply at a rate of 50 – 75 ml / 100 l water, with not more than 1 l **ZINNIT**/ha per treatment. Apply **ZINNIT** during the early part of the irrigation cycle. Repeated applications may be necessary.

- **BLADBUFF 7** Reg. No L8121, Act No. 36 of 1947.
- **BLADBUFF®** is the registered trademark of AECL® Limited

