

NITROSOL NATURAL ORGANIC PLANT FOOD

SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION

Reg. Holder: Fleuron® (Pty) Limited Registration No: 1970/004264/07
P.O. Box 31245
Braamfontein
2017

Distributor: Agro-Serve (Pty) Ltd trading as Efekto & Wonder
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SECTION 2: HAZARDS IDENTIFICATION

Product name: Nitrosol Natural Organic Plant Food
Other names: None
Chemical family: Water solution of ingredients
Uses: Liquid plant food

SECTION 3: COMPOSITION

Formulation: 80g/kg N, 20g/kg P, 58g/kg K 7g/kg Mg, 6g/kg Ca, 4g/kg S
Micro elements: 60mg/kg Fe, 1mg/kg Cu, 1mg/kg Zn 40mg/kg Mn, 23mg/kg B, 15mg/kg Mo.
Growth stimulant: Gibberelic Acid 0,003g/kg

SECTION 4: FIRST AID MEASURES

Eyes: Flush with cold water immediately for at least 15 minutes, lifting upper and lower eye lids occasionally.

Skin: Wash skin well with soap and water. Remove & wash Contaminated clothing before re-use.

Ingestion: Induce Vomiting with Salt water, replenish fluids by giving plenty of water provided victim is conscious. Never administer anything orally to an unconscious person. Contact a doctor or Poisons should individual continue to feel unwell.

Inhalation: Clear airways and remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. Seek medical attention.

Advice to Doctor: Treat symptomatically based on judgement of doctor and individual reactions of patient.

Exposure: Persons with pre-existing health conditions including skin disorders, eye problems or respiratory function may be more susceptible to the effects of the substance.

SECTION 5: FIRE FIGHTING MEASURES

General Measures: Not considered to be a fire hazard. Clear fire of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk.

Flammability: The Product itself is not considered flammable

Extinguishing: Media Water spray/fog, dry chemical, foam, CO2

Fire & Explosion Hazards: Not a fire or explosion hazard

Hazardous Combustion: Products of May produce smoke

Flash Point: No Data Available

Flammable Limits: Not flammable.

Fire Fighting: Wear protective clothing and self-contained breathing apparatus. Collect contaminated firefighting water separately, must not be discharged into the drains.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spills: Use appropriate protective clothing and equipment.

Large spills: Dike and pump as much as possible to a salvage container. Absorb Remaining liquid and any smaller spills with clay, sand or other absorbent material and sweep to a waste container. Cover the spill area with water

and absorb residue. Spills may be slippery and should be cleaned up promptly. Prevent runoff reaching drains.

SECTION 7: HANDLING AND STORAGE

- Handling:** Keep out of reach of children.
Ensure compatibility with other products if to be sprayed together by doing small test premix.
Do not handle until all safety precautions have been considered and understood.
Wear protective PPE as described in Section 8.
Wash hands thoroughly after handling.
Avoid release down drains or any waterways.
- Storage:** Store away from goods and animal feed.
Keep container tightly closed. Always keep in containers that correspond to the material of the original container.
Take care of instructions on label. Store in room at temperatures between 5 °C and 40 °C. Carefully store closed containers upright to prevent any leaks.

SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION

- Exposure Guidelines:** None established by OSHA or in Workplace Exposure Standards (WES).
- Control parameters:** None.
- Engineering Measures:** Adequate ventilation should be considered when spraying.
- Eyes:** Wear eyeglasses with side protection according to EN 166.
- Hands and Skin:** For prolonged or repeated handling the following glove material must be used: e.g. NBR (Nitrile rubber).
Barrier creams can help protecting exposed skin areas.
- Respiratory:** Usually no personal respirative protection necessary.
- General:** After contact, clean skin thoroughly with water and soap or use appropriate cleanser.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- Appearance:** Brown viscous liquid with typical blood & bone odour
- Boiling Point:** About 100°C
- Density:** 1290 g/L @ 25°C
- Flash Point:** Does not burn
- pH:** 7.8-8.2 (as is)
- Vapour Pressure:** Approximately 100°C at 100kPa
- Corrosion:** Not corrosive
- Oxidisation:** Not an oxidiser
- Solubility:** Fully soluble in water
- Volatile materials:** Water component
- Specific gravity:** 1.24 approximately

SECTION 10: STABILITY AND REACTIVITY

- Stability:** Stable under normal conditions.
- Incompatibility:** Avoid strong acids and/or alkalis
- Hazardous Decomposition:** Does not decompose when used for intended uses.
- Hazardous Polymerization:** Does not occur.

SECTION 10: TOXOLOGICAL INFORMATION

- Acute Effects:**
- Ingestion:** May cause nausea and discomfort if swallowed.
- Eye:** May cause eye irritation.
- Skin:** May cause skin irritation with prolonged or repeated exposure.
- Inhalation:** Avoid prolonged or repeated inhalation
- Skin corrosion/irritation:** Not considered a skin irritant
- Serious eye damage/irritation:** No evidence to support long term adverse effect on human eye, causes irritation, redness and pain
- Ingestion:** Ingestion to be avoided as will cause nausea and discomfort
- Inhalation:** Inhalation is the most significant route of exposure in occupational and other settings.

Skin Irritation: Not significantly absorbed through the skin. of the skin. Boric Acid is not a skin sensitizer.
Reproduction: No data available.
Carcinogen: No data available.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Toxicity: This product is a fertiliser and not considered harmful in recommended dosage.

Phytotoxicity: Contains essential micronutrients for healthy growth of plants. Care should be taken to manage the amount of product released to the environment and regular testing before application is recommended.

Algal Toxicity: No data.

Invertebrate

Toxicity: No data.

Toxicity to fish: No data.

Degradability: Being a fertiliser it breaks down into common natural elements.

Bioaccumulation: Not significantly bioaccumulative.

Mobility: Readily soluble in water and not recommended for application in concentrated form.

Environmental

fate: Do NOT let product enter waterways, drains and sewers.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Method: Follow the label directions.
Triple rinse empty containers before disposal.
Do not burn empty containers that have not been rinsed. Burn in an appropriate incinerator if circumstances such as wind direction permit.
Otherwise crush or puncture and bury in a suitably approved landfill. Do not dispose of this product down drains or sewers. Follow all local, regional and national laws and regulations regarding hazardous waste disposal.

SECTION 14: TRANSPORT INFORMATION

This product is NOT classified as a Dangerous Good for transport.

SECTION 15: REGULATORY INFORMATION

Nitrosol Organic Plant Food Registration
Act 36 of 1947 Reg No: K7541 & L3725

SECTION 16: OTHER INFORMATION

This information is provided in good faith but without express or implied warranty. The customer assumes all responsibility for safety and use not in accordance with label instructions.

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