



**FUTURE DEVELOPMENT
SYSTEMS LIMITED**

ROOM D5, 5/F KING YIP FACTORY BUILDING, NO.59 KING YIP STREET,
KWUN TONG, KOWLOON, Hong Kong
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Version 1.00

Creation date: 09 July 2025

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SAFETY DATA SHEET

*According to Regulation (EU) 2020/878 of 18 June 2020
amending Annex II to Regulation (EC) No 1907/2006*

Balanced N-Ca Plant Fertilizer

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier (trade name)

Balanced N-Ca Plant Fertilizer

1.1.1 Synonyms / marketplace name

Balanced N-Ca Fertilizer Pellets;
Balanced N-Ca Fertilizer Granules;
Balanced N-Ca Organo-mineral Granules;
Balanced N-Ca Organo-mineral Pellets;
Balanced Nitrogen-Calcium Plant Fertilizer

1.1.2 Trademark

1OORGANIC

1.2 Relevant identified uses of the substance or mixture and uses advised against

Organo-mineral Nitrogen-Calcium fertilizer.
Suitable for professional and home use.
Suitable for: different kinds of flowers grown in greenhouse and open ground; potted flowers and plants; vegetable crops.
Fertilizer should be used according to the instructions on the package.

1.3 Details of supplier of the SDS

Manufacturer:

FUTURE DEVELOPMENT SYSTEMS LIMITED
ROOM D5, 5/F KING YIP FACTORY BUILDING,
NO.59 KING YIP STREET,
KWUN TONG, KOWLOON, HONG KONG
CRN: 3055209; BRN: 73057535
EU VAT: PL5263696958
email: info@fedeso.com
tel.: +86 170 9036 0536

EU Authorized Representative (Responsible Person):

AUTOREPARACIONES DENIS S.L.
CALLE RÍO TAJO, 2,
03348, GRANJA DE ROCAMORA, ALICANTE,
ESPAÑA.
NIF: B44604213
email: autoreparacionesdenis@gmail.com
tel.: +34 607 444 570

1.4 Emergency phone number:

In case of emergency call: 112 (Europe).
Working time: 24/7/365 (366).



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SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No 1272/2008):

- Physical and Chemical Hazards
- Human Health
- Environment

Under normal conditions:

Not classified as hazardous
Not classified as hazardous
Not classified as hazardous

Note: The mixture does not meet the criteria for classification as hazardous to human health or the environment under the above regulation. All components are present in concentrations that do not trigger classification.

2.2 Label elements

Label in accordance with (EC) No. 1272/2008:

- Signal word
- Hazard pictograms
- Hazard statements
- Precautionary statements:

None

None

Not applicable

P102: Keep out of reach of children

P103: Read label before use

P270: Do not eat, drink or smoke when using this product

Supplementary information:

1. This product isn't classified as hazardous but should be handled in accordance with good industrial hygiene and safety practices.
2. This product is not for human or animal consumption. Misuse may cause harm.

2.3 Other hazards:

The product contains organic and mineral components and traces of trace elements (natural origin) at non-hazardous levels

Not PBT or vPvB



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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances	Not applicable (the product is a mixture)
3.2 Mixtures	1. This product is a solid mixture of: 6% Total Nitrogen (N): 4.8% – Nitrate Nitrogen, 1.2% Organic Nitrogen; 9% Calcium oxide (CaO); 0.5% Magnesium oxide (MgO) and 40% organic matter used as fertilizer. * Concentrations are per 1 kg of the product This product can be presented in granulated or pelleted form. The product does not contain hazardous substances or ingredients in concentrations requiring classification. 2. This product contains traces of trace elements (natural origin). Note on trace elements: All are present at levels well below hazardous thresholds under Regulation (EC) No 1272/2008 and do not trigger classification.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures	Inhalation: Wash your nose and mouth with plenty of water. Remove to fresh air. Get medical attention if any discomfort continues. Ingestion: Rinse mouth thoroughly with water. Get medical attention if any discomfort continues. If a large amount is swallowed, get medical attention if any discomfort continues. Skin contact: Wash with soap and water. Get medical attention if any discomfort continues. Eye contact: Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Seek medical advice if irritation develops or persists.
4.2. Most important symptoms and effects, both acute and delayed	<i>No data available</i>



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SECTION 4: FIRST AID MEASURES	
4.3. Indication of any immediate medical attention and special treatment needed	Treat symptomatically based on clinical judgement
SECTION 5: FIREFIGHTING MEASURES	
5.1 Extinguishing media: Extinguishing media	The product is not flammable, therefore, the extinguishing media and extinguishing method should be selected based on the local environment at the fire site.
Unsuitable fire extinguishers	No data available
5.2 Special hazards arising from the substance or mixture	No data available
5.3 Advice for firefighters	Use conventional fire extinguishing methods, not forgetting the danger that may come from other materials
5.4 Additional information	No data available
SECTION 6: ACCIDENTAL RELEASE MEASURES	
6.1 Personal precautions, protective equipment and emergency procedures 6.1.1 For non-emergency personnel: 6.1.2 For emergency personnel:	Note: This product is not hazardous , but general hygiene and safety measures apply. 1. Avoid contact with eyes and prolonged skin exposure. 2. Wear gloves if handling large quantities. 3. Ensure adequate ventilation in enclosed areas. 1. Use appropriate protective clothing and gloves.
6.2 Environmental precautions	Though product is not classified as environmentally hazardous, avoid release to waterways and sewers. Intended for soil use only under controlled conditions.
6.3 Methods and material for containment and cleaning up: 6.3.1 Appropriate advice shall be provided on how to contain a spill: 6.3.2 Appropriate advice shall be provided on how to clean-up a spill:	Bundling or covering of drains to prevent the product from entering surface water, sewage systems. Wipe up with absorbent material (e.g. cloth, fleece). After cleaning, flush away traces with water.



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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.4 Reference to other sections	See Section 8 for personal protective equipment. See Section 13 for disposal considerations.
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SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling: Measures to prevent fire as well as aerosol and dust generation: Hygiene measures:	The product shall be used only as a fertilizing material for plants. Do not ingest. Not intended for human or animal consumption. No special measures required Wash your hands before breaks and after working with this product. Avoid contact with skin and eyes. Don't eat, drink, or apply cosmetics while handling this product.
7.2 Conditions for safe storage, including any incompatibilities	1. Store in original, closed packaging, in a cool, covered, frost-free, dry place, protected from sunlight. 2. Store at a temperature from 0 to 30 °C 3. Keep out of reach of children. 4. Keep away from food, animal feed and other consumables. Recommended shelf life: In an originally closed package – isn't limited. After opening – store for 6 months under proper storage conditions.
7.3 Specific end use(s)	Except for the use described in Section 1.2, there are no other use cases. To clarify the possibility of using for other plants, it is recommended to contact the manufacturer by email.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	For fertilizer components no maximum allowable concentrations have been established.
8.2 Exposure controls Personal protective equipment: Environmental exposure controls:	Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using it. 1. Eye protection – not required under normal use. Avoid contact with eyes. 2. Hand protection – not required under normal use. Skin should be washed after contact. If personal intolerance to the components is present, it is recommended to use gloves. 3. Skin and body protection – long sleeved clothing is recommended. 4. Respiratory protection – not required under normal use. No data available



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Solid
Color	Dark brown; Beige (with possible white calcium coating)
Odour	Characteristic, reminiscent of bread
Odour threshold	Detectable at approx. 5 cm from nose
pH-merit	7.0
Melting point / freezing point	Approx. 560 °C / ~0 °C
Boiling point	Not applicable (non-liquid)
Lower and upper explosion limit	Not applicable
Flash point	Not applicable
Flammability	Not flammable
Solubility	Partially soluble in water: organic matter remains insoluble; mineral part is soluble: 121,2 g/100 ml (20 °C); 271,0 g/100 ml (40 °C); 359 g/100 ml (51,6 °C)
Density and/or relative density	500 kg/m ³
Decomposition temperature	>560°C
Kinematic viscosity	Not applicable for solid
Particle characteristics	Not uniform in shape, color, size.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	This product does not show any special reactive hazard under normal conditions of use, storage, and handling.
10.2 Chemical stability	Stable under normal temperature conditions and recommended use. Stable under the prescribed storage conditions.
10.3 Possibility of hazardous reactions	No data available
10.4 Conditions to avoid	Avoid direct sunlight, direct contact with water during storage. Store according to 7.2.
10.5 Incompatible materials	Avoid contact with strong acids or alkalis
10.6 Hazardous decomposition products	No data available



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SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

(a) Acute toxicity	Low-risk mixture
(b) Skin corrosion/irritation	Non-irritant under normal use. Prolonged contact may cause mild dryness or skin discomfort in sensitive individuals.
(c) Serious eye damage/irritation	Not classified
(d) Respiratory or skin sensitization	Specific data not available
(e) Germ cell mutagenicity	Not classified. No ingredients with known mutagenic effects.
(f) Carcinogenicity	No components are known or suspected carcinogens
(g) Reproductive toxicity	Specific data not available
(h) STOT-single exposure	No evidence of specific target organ toxicity
(i) STOT-repeated exposure	Not expected under normal use
(j) Aspiration hazard	Not applicable

11.2 Information on other hazards

11.2.1. Endocrine disrupting properties

The product does not contain substances with endocrine-disrupting properties as per Regulations (EC) No 1907/2006, (EU) 2017/2100, (EU) 2018/605)

11.2.2. Other information

No data available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Based on available data the classification criteria are not met
12.2 Persistence and degradability	No data available
12.3 Bioaccumulative potential	No data available
12.4 Mobility in soil	No data available
12.5 Results of PBT and vPvB assessment	This product doesn't contain any PBT or vPvB substances
12.6. Endocrine disrupting properties	The product does not contain substances with endocrine-disrupting properties
12.7 Other adverse effects	No data available



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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste is not classified as hazardous.

Do not flush into surface water or sanitary sewer system.

Do not reuse empty packaging. Empty packaging should be disposed or recycled.

Waste should be disposed of in accordance with the EC Waste Directive 2008/98/EC, and applicable national and local waste regulations.

Recommended waste code (EWC): 02 01 09 – Agricultural chemicals, other than those mentioned in 02 01 08.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number or ID number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

Not a hazardous substance for transport according to:
ADR, RID, ADN

14.4. Packing group

Not applicable

14.5. Environmental hazards

The product is **not environmentally hazardous** according to the criteria of the UN Model Regulations (as reflected in ADR, RID and ADN).

Not a marine pollutant under IMDG Code.

14.6. Special precautions for user

No special precautions required

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

1. This Safety Data Sheet has been prepared in accordance with **Annex II of Regulation (EC) No 1907/2006 (REACH)**, as amended by **Regulation (EU) 2020/878 of 18 June 2020**.

2. The mixture *is not classified as hazardous* under **Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP)**, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

3. This mixture *does not contain* any substances subject to authorisation (**Annex XIV**), restriction (**Annex XVII**), or included in the Candidate List **under REACH Regulation**.



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SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

4. The product *is not subject* to specific safety, health or environmental legislation such as:
(a) **Directive 2012/18/EU (Seveso III)** of 4 July 2012 on the control of major-accident hazards involving dangerous substances (amending and subsequently repealing Council Directive 96/82/EC);
(b) **Regulation (EU) 2019/1021 of 20 June 2019 on persistent organic pollutants (POPs)**;
(c) **Regulation (EU) 2019/1148 of 20 June 2019 on the marketing and use of explosives precursors** (amending Regulation (EC) No 1907/2006 and repealing Regulation (EU) No 98/2013).

5. *The product is a fertilising product falling under the scope of Regulation (EU) 2019/1009 of 5 June 2019 laying down rules on the making available on the market of EU fertilising products* (amending Regulations (EC) No 1069/2009 and (EC) No 1107/2009 and repealing Regulation (EC) No 2003/2003)

The product is classified as:
Product Function Category (PFC):
1(B)(I) – Solid Organo-Mineral Fertiliser.

15.2. Chemical safety assessment

A chemical safety assessment has **not been carried out** for this mixture, as it is not classified as hazardous according to Regulation (EC) No 1272/2008 (CLP).

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms:

REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals (Regulation (EC) No 1907/2006);
CLP – Classification, Labelling and Packaging (Regulation (EC) No 1272/2008);
SDS – Safety Data Sheet;
vPvB – Very Persistent and Very Bioaccumulative;
PFC – Product Function Category (under Regulation (EU) 2019/1009);

Key literature references and sources for data

1. Regulations and Directives listed in section 15.1
2. Manufacturer's technical data sheets and laboratory analysis

CLP classification and method used according to Regulation (EC) No 1272/2008 for mixtures:

Not classified – based on available data and non-hazardous nature of the ingredients.



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Revision Comments

This is first issue.

Issued Note

The information provided in this Safety Data Sheet applies only to this specific product and is based on the current knowledge and data available to the company.

This document is intended solely for use in matters of safety, health, and environmental protection. References to legislation, regulations, standards, or best practices are not exhaustive.

It is the responsibility of the user to ensure compliance with all relevant legal requirements related to the handling, use, storage, transport, and disposal of this product. All persons handling the product are responsible for ensuring that the information contained in this Safety Data Sheet is communicated to all downstream users who may come into contact with the product in any way (handling, application, or container disposal).

This SDS is prepared by:

Future Development Systems Limited, Hong Kong.

Signed for and on the behalf of FUTURE DEVELOPMENT SYSTEMS LIMITED

Signature 

PAVEL GERASIMOVICH
Director

Date of issue: 09 of July 2025 in Kwun Tong, Kowloon, Hong Kong