

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

NPK 12-12-17

Version 1 Date of compilation: 17/02/2023



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

1.1 Product identifier.

Product Name: NPK 12-12-17
Index number of the list in Annex VI of the CLP: Not on the list.
ID number according to the C&L catalog: Not applicable.
CAS Number: As it is not a chemical substance, but a product prepared from various substances, this product does not have any CAS registration number associated with it.
EC number: Not applicable.
REACH registration number: Not applicable.

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

Fertilizer
Uses by professional workers.
Uses at Industrial sites
As intermediate product for further formulation.

Uses advised against:

Uses other than those recommended.

1.3 Details of the supplier of the safety data sheet.

Company: **FERTISAC, S.L.**
Address: BARRIADA DE LA ESTACIÓN, S/N
City: 18230 - ATARFE
Province: GRANADA
Telephone: 958436512
E-mail: fertisac@fertisac.es
Web: www.fertisac.es

1.4 Emergency telephone number: 112 (Available 24 hours)

SECTION 2: HAZARDS IDENTIFICATION.

2.1 Classification of the substance or mixture.

The product is not classified as hazardous within the meaning of Regulation (EC) No 1272/2008.

2.2 Label elements.

2.3 Other hazards.

The mixture does not contain substances classified as PBT.
The mixture does not contain substances classified as vPvB.
The mixture does not contain any endocrine disrupting properties substances.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 Substances.

Not Applicable.

3.2 Mixtures.

This mixture does not contain substances at a concentration higher than the values established in Annex II of Regulation (EC) 1907/2006 and its subsequent modifications, which represent a danger to health or the environment, neither have a limit of Community exposure in the workplace, neither are classified as PBT / vPvB, neither are they on the candidate list.

[2] Substance with a national workplace exposure limit (see section 8.1).

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SECTION 4: FIRST AID MEASURES.

4.1 Description of first aid measures.

Due to the composition and type of the substances present in the product, no particular warnings are necessary.

Inhalation.

If breathing stops, give artificial respiration and seek immediate medical attention. Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration.

Eye contact.

Remove contact lenses, if present and if it is easy to do. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance.

Skin contact.

Remove contaminated clothing.

Ingestion.

Keep calm. NEVER induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed.

No known acute or delayed effects from exposure to the product.

4.3 Indication of any immediate medical attention and special treatment needed.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

SECTION 5: FIREFIGHTING MEASURES.

5.1 Extinguishing media.

Suitable extinguishing media:

Extinguisher powder or CO₂. In case of more serious fires, also alcohol-resistant foam and water spray.

Unsuitable extinguishing media:

Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

5.2 Special hazards arising from the substance or mixture.

Special risks.

Exposure to combustion or decomposition products can be harmful to your health. It could produce toxic gases, NO_x, CO₂, CO, P₂O₅ and SO_x.

5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account.

Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots.

SECTION 6: ACCIDENTAL RELEASE MEASURES.

6.1 Personal precautions, protective equipment and emergency procedures.

Avoid creating dust conditions and prevent its dispersion by the wind. For exposure control and individual protection measures, see section 8.

6.2 Environmental precautions.

Product not classified as dangerous to the environment, avoid as far as possible any spillage. Prevent material from entering waterways and the sanitary sewer system. If the spill is accidental or wash water enters drains or watercourses inform the local authority.

6.3 Methods and material for containment and cleaning up.

Sweep the spilled material into a clean, labelled container for titration or disposal, in accordance with local and national regulations (see section 13).

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6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.
For later elimination of waste, follow the recommendations under section 13.

SECTION 7: HANDLING AND STORAGE.

7.1 Precautions for safe handling.

The product does not require special handling measures, the following general measures are recommended:
For personal protection, see section 8.
In the application area, smoking, eating, and drinking must be prohibited.
Follow legislation on occupational health and safety.
Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

7.2 Conditions for safe storage, including any incompatibilities.

Store according to local legislation. Observe indications on the label. Store the containers in a dry and well-ventilated place, far from sources of heat, humidity and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorized persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

The product is not affected by Directive 2012/18/EU (SEVESO III).

7.3 Specific end use(s).

NPK fertilizer for all types of crops and direct application to the soil.
It can also be used as an intermediate product for the production of other fertilizers.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.

The product does NOT contain substances with Professional Exposure Environmental Limit Values. The product does NOT contain substances with Biological Limit Values.

8.2 Exposure controls.

Measures of a technical nature:

Concentration:	100 %		
Uses:	Fertilizer Uses by professional workers. Uses at Industrial sites As intermediate product for further formulation.		
Breathing protection:			
If the recommended technical measures are observed, no individual protection equipment is necessary.			
Hand protection:			
PPE:	Work gloves.		
Characteristics:	«CE» marking, category I.		
CEN standards:	EN 374-1, En 374-2, EN 374-3, EN 420		
Maintenance:	Keep in a dry place, away from any sources of heat, and avoid exposure to sunlight as much as possible. Do not make any changes to the gloves that may alter their resistance, or apply paints, solvents or adhesives.		
Observations:	Gloves should be of the appropriate size and fit the user's hand well, not being too loose or too tight. Always use with clean, dry hands.		
Material:	PVC (polyvinyl chloride)	Breakthrough time (min.):	> 480
		Material thickness (mm):	0,35
Eye protection:			
If the product is handled correctly, no individual protection equipment is necessary.			
Skin protection:			
PPE:	Protective clothing.		
Characteristics:	«CE» marking, category II. Protective clothing should not be too tight or loose in order not to obstruct the user's movements.		
CEN standards:	EN 340		
Maintenance:	In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer.		

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Observations:	The protective clothing should offer a level of comfort in line with the level of protection provided in terms of the hazard against which it protects, bearing in mind environmental conditions, the user's level of activity and the expected time of use.
PPE:	Work footwear.
Characteristics:	«CE» marking, category II.
CEN standards:	EN ISO 13287, EN 20347
Maintenance:	This product adapts to the first user's foot shape. That is why, as well as for hygienic reasons, it should not be used by other people.
Observations:	Work footwear for professional use includes protection elements aimed at protecting users against any injury resulting from an accident

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.

Physical state: Solid
Colour: Blue
Odour: Inodoro
Odour threshold: Not applicable
Melting point: Not available
Freezing point: Not applicable
Boiling point or initial boiling point and boiling range: Not applicable
Flammability: No inflammable
Lower explosion limit: Not applicable
Upper explosion limit: Not applicable
Flash point: Not applicable
Auto-ignition temperature: Not available
Decomposition temperature: > 100 °C
pH: 5-6 (10%)
Kinematic viscosity: Not applicable
Solubility: Not applicable/Not available due to the nature/properties of the product
Hydrosolubility: Not applicable
Liposolubility: Not applicable
Partition coefficient n-octanol/water (log value): Not applicable
Vapour pressure: Not applicable
Absolute density: 900-1000 kg/m³
Relative density: 0,1 (Estimation based on the indication of the Regulation (CE) N°1272/2008.)
Relative vapour density: Not available
Particle characteristics: 2-4 mm

9.2 Other information

Information with regard to physical hazard classes

Explosives:
Explosive properties: No explosivo.
Oxidizing solids:
Oxidizing properties: No comburente.

Other safety characteristics

Mechanical sensitivity:
Exothermic decomposition energy: Not available
Sensitivity to impact: Not available
Sensitivity to friction: Not available
Self-accelerating polymerisation temperature: Not applicable
Formation of explosible dust/air mixtures:
Lower explosion limit / minimum explosible concentration: Not available
Minimum ignition energy: Not available
Deflagration index (Kst): Not available
Maximum explosion pressure: Not available
Acid/alkaline reserve: Not available
Evaporation rate: Not available
Miscibility: Not available
Conductivity: Not available
Corrosiveness: Not available
Gas group: Not applicable
Redox potential: Not available
Radical formation potential: Not available

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Photocatalytic properties: Not available
Viscosity: Not applicable
Dropping point: Not applicable
Blink: Not applicable

SECTION 10: STABILITY AND REACTIVITY.

10.1 Reactivity.

If storage conditions are met, it does not produce dangerous reactions.

10.2 Chemical stability.

Stable under recommended handling and storage conditions (see section 7).

10.3 Possibility of hazardous reactions.

Under certain conditions a hazardous reaction with incompatible materials may occur (see section 10.5).

10.4 Conditions to avoid.

- Avoid contact with strong bases and acids.
- Avoid heat sources and high temperatures.

10.5 Incompatible materials.

Avoid the following materials:

- Strong bases and acids.

10.6 Hazardous decomposition products.

Depending on conditions of use, can be generated the following products:

- Corrosive vapors or gases (NO_x, CO_x, CO, P₂O₅ y SO_x).

SECTION 11: TOXICOLOGICAL INFORMATION.

11.1 Information on hazard classes as defined in Regulation (EC) N° 1272/2008.

There are no tested data available on the product.

a) acute toxicity;
Not conclusive data for classification.

Acute Toxicity Estimate (ATE):
Mixtures:
ATE (Dermal) = 1.123.227 mg/kg
ATE (Oral) = 130.186 mg/kg

b) skin corrosion/irritation;
Not conclusive data for classification.

c) serious eye damage/irritation;
Not conclusive data for classification.

d) respiratory or skin sensitisation;
Not conclusive data for classification.

e) germ cell mutagenicity;
Not conclusive data for classification.

f) carcinogenicity;
Not conclusive data for classification.

g) reproductive toxicity;
Not conclusive data for classification.

h) STOT-single exposure;
Not conclusive data for classification.

i) STOT-repeated exposure;
Not conclusive data for classification.

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j) aspiration hazard;
Not conclusive data for classification.

11.2 Information on other hazards.

Endocrine disrupting properties

This product does not contain components with endocrine-disrupting properties with effects on human health.

Other information

There is no information available on other adverse health effects.

SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.

No information is available regarding the ecotoxicity of the substances present.

12.2 Persistence and degradability.

No information is available regarding the biodegradability of the substances present.

No information is available on the degradability of the substances present.

No information is available about persistence and degradability of the product.

12.3 Bioaccumulative potential.

No information is available regarding the bioaccumulation of the substances present.

12.4 Mobility in soil.

No information is available about the mobility in soil.

The product must not be allowed to go into sewers or waterways.

Prevent penetration into the ground.

12.5 Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

12.6 Endocrine disrupting properties.

This product doesn't contain components with environmental endocrine disrupting properties.

12.7 Other adverse effects.

No information is available about other adverse effects for the environment.

SECTION 13: DISPOSAL CONSIDERATIONS.

13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

SECTION 14: TRANSPORT INFORMATION.

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.

14.1 UN number or ID number.

Transportation is not dangerous.

14.2 UN proper shipping name.

Description:

ADR/RID: Not classified as hazardous for transport.

IMDG: Not classified as hazardous for transport.

ICAO/IATA: Not classified as hazardous for transport.

14.3 Transport hazard class(es).

Transportation is not dangerous.

14.4 Packing group.

Transportation is not dangerous.

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14.5 Environmental hazards.

Transportation is not dangerous.

Transport by ship, FEM – Emergency sheets (F – Fire, S - Spills): Not applicable.

14.6 Special precautions for user.

Transportation is not dangerous.

14.7 Maritime transport in bulk according to IMO instruments.

Transportation is not dangerous.

SECTION 15: REGULATORY INFORMATION.

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

The product is not affected by Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

The product is not affected by Directive 2012/18/EU (SEVESO III).

The product is not subject to restrictions on the placing on the market and use of certain hazardous substances and mixtures (Annex XVII of the REACH Regulation, etc.).

The product is not affected by Regulation (EU) No 528/2012 concerning the placing of biocidal products on the market and use.

The product is not affected by the procedure laid down in Regulation (EU) No 649/2012 on the export and import of hazardous chemicals.

Other legislation:

Regulation (EC) No. 1907/2006.

Regulation (EC) N°1272/2008 of the European Parliament and of the Council, of 16 December 2008, on classification, labelling and packaging of substances and mixtures, and by which modify and repeal the Directives 67/548/CEE and 1999/45/CE and modifies the Regulation (CE) N° 1907/2006.

Royal Decree 506/2013, of 28 June, on fertilizer products.

Regulation (EU) 2019/1009 of the European Parliament and of the Council of 5 June 2019 laying down provisions on the placing on the market of EU fertilising products and amending Regulations (EC) No 1069/2009 and (EC) No 1107/2009 and repealing Regulation (EC) 2003/2003.

15.2 Chemical safety assessment.

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Physical hazards	On basis of test data
Health hazards	Calculation method
Environmental hazards	Calculation method

It is recommended that the product only be employed for the purposes advised.

Abbreviations and acronyms used:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

CEN: European Committee for Standardization.

PPE: Personal protection equipment.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

EC50: Half maximal effective concentration.

PPE: Personal protection equipment.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organization.

IMDG: International Maritime Code for Dangerous Goods.

LC50: Lethal concentration, 50%.

LD50: Lethal dose, 50%.

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.

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Key literature references and sources for data:

<http://eur-lex.europa.eu/homepage.html>

<http://echa.europa.eu/>

Regulation (EU) 2020/878.

Regulation (EC) No 1907/2006.

Regulation (EC) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemical substances and mixtures (REACH).

This document is a general guide to the properties and potential applications of the product. The information contained in this Safety Data Sheet is given in good faith and with a belief in its accuracy, based on the knowledge available about the product and the laws in force at the time of its publication. It does not imply the acceptance of any commitment or legal responsibility on the part of Fertisac, for the consequences of its use or its misuse in any particular circumstances.

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