

# Safety Data Sheet

In accordance with Commission Regulation (EU) No 2015/830



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Revision: 6

## NPK (without ammonium nitrate)

SECTION 1		Identification of the substance/mixture and of the company/undertaking
1.1	Product identifier	
	Trade name	NPK (without ammonium nitrate), NP, NK, PK, ASURE, NERGETIC
	Code	FDS-033
	Chemical name	-
	Chemical formula	-
	Index Number	Not applicable.
	EINECS Number	Not applicable
	CAS Number	Not applicable.
	Registration Number	It is a mixture and therefore has no registration number.
1.2	Relevant identified uses of the substance or mixture and uses advised against	
	Application of the substance / the mixture	Fertiliser
	Uses advised against	Others than those indicated.
1.3	Details of the supplier of the safety data sheet	Fertiberia, S.A. 27, Agustín de Foxa Street pta. 11 28036 Madrid Madrid (Spain) +34 91.586.62.00; fdsinfo@grupofertiberia.com
1.4	Emergency telephone number	Central: +34 915 86 62 00 (Only available during office hours; Monday-Friday; 09:00-18:00)
SECTION 2		Hazards identification
2.1	Classification of the substance or mixture according Regulation (EC) n° 1272/2008 (CLP)	This substance is not classified as dangerous according to Regulation (EC) No 1272/2008 [EU-GHS / GB CLP].
2.2	Label elements	
	Hazard pictograms	Not applicable.
	Signal word	Not applicable.
	Hazard-determining components of labelling	Not applicable.
	Hazard statements	Not applicable.

## NPK (without ammonium nitrate)

	<b>Precautionary statements</b>	P102 Keep out of reach of children. P270 Do not eat, drink or smoke when using this product.				
	<b>Additional information</b>	Not applicable.				
	<b>Supplemental information on the label</b>	Not applicable.				
	<b>Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles</b>	Not applicable.				
	<b>Special packaging requirements</b>	Not applicable.				
	<b>Containers to be fitted with child-resistant fastenings</b>	Not applicable.				
	<b>Tactile hazard warning</b>	Not applicable.				
<b>2.3</b>	<b>Other hazards</b>					
	<b>Other hazards which do not result in classification</b>	None known.				
	<b>Results of the PBT and vPvB assessment</b>	Not applicable.				
<b>SECTION 3</b>	<b>Composition/information on ingredients</b>					
<b>3.1</b>	<b>Substances</b>					
	Not applicable.					
<b>3.2</b>	<b>Mixtures</b>					
	<b>Name</b>	<b>CE Number</b>	<b>CAS Number</b>	<b>Registration number</b>	<b>%(P/P)</b>	<b>1272/2008 Regulation Classification</b>
	Urea	200-315-5	57-13-6	-	0-100%	Not classified
	Ammonium sulphate	231-984-1	7783-20-2	-	0-100%	Not classified
	Diammonium phosphate	231-987-8	7783-28-0	-	0-100%	Not classified
	Monoammonium phosphate	231-764-5	7722-76-1	-	0-100%	Not classified
	Potassium chloride	231-211-8	7447-40-7	-	0-100%	Not classified
	Potassium sulphate	231-915-5	7778-80-5	-	0-100%	Not classified

## NPK (without ammonium nitrate)

	<b>Additional indications</b>	For the wording of the listed hazard phrases refer to section 16.
<b>SECTION 4 First aid measures</b>		
<b>4.1</b>	<b>Description of first aid measures</b>	
	<b>General information</b>	Provide medical assistance to those affected. People who dispense first aid are advised to wear personal protective equipment. There may be delayed effects on exposure.
	<b>Inhalation</b>	Remove from exposure. In severe cases, or if recovery is not rapid or complete, seek medical attention.
	<b>Ingestion</b>	Rinse mouth with water. Do not induce vomiting. If patient is conscious, give water to drink. If patient feels unwell, seek medical attention.
	<b>Skin contact</b>	Rinse with plenty of water. Remove contaminated clothing and wash before reuse. If irritation persists, seek medical attention.
	<b>Eye contact</b>	Irrigate with plenty of water for at least 10 minutes. Get medical attention.
<b>4.2</b>	<b>Most important symptoms and effects, both acute and delayed</b>	
	<b>Eye contact</b>	Redness, itching, burning.
	<b>Inhalation</b>	Difficulty in breathing.
	<b>Skin contact</b>	No significant effects or critical hazards are known.
	<b>Ingestion</b>	Nausea, vomiting, coughing,
<b>4.3</b>	<b>Indication of any immediate medical attention and special treatment needed</b>	
	No action involving personal risk or without adequate training should be taken. Avoid direct mouth-to-mouth resuscitation, as it can be dangerous for the person providing the help. Use other methods for resuscitation, preferably oxygen or compressed air equipment. Treat according to the following indications:	
	<b>Notes to physician</b>	Treat symptomatically.
	<b>Specific treatments</b>	There is no specific treatment. It depends on specialized medical observation.
<b>SECTION 5 Firefighting measures</b>		
<b>5.1</b>	<b>Extinguishing media</b>	
	The product is not flammable.	
	<b>Suitable extinguishing agents</b>	Dry powder, carbon dioxide (CO <sub>2</sub> ), foam.
	<b>Unsuitable extinguishing agents for safety reasons</b>	None.
<b>5.2</b>	<b>Special hazards arising from the substance or mixture</b>	

## NPK (without ammonium nitrate)

	Formation of toxic gases is possible during heating or in case of fire.	
	<b>Hazardous thermal decomposition products</b>	Carbon oxides Nitrogen oxides (NOx) Ammonia
<b>5.3</b>	<b>Advice for firefighters</b>	
	<p>Open warehouse doors and windows for maximum ventilation.</p> <p>Fire-fighting personnel should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face mask operating in positive pressure mode. Clothing for fire-fighting personnel (including helmets, protective boots) should conform to European standard EN 469 and gloves to EN 659. It should provide a basic level of protection for chemical incidents and should be fire resistant. The facility shall have sufficient protective equipment available to deal with fires.</p>	
<b>SECTION 6</b>	<b>Accidental release measures</b>	
<b>6.1</b>	<b>Personal precautions, protective equipment and emergency procedures</b>	
	Wear protective clothing.	
	<b>For non-emergency personnel</b>	
	<p>Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing. In case of non-flammable spills and leaks, wear vapor protective clothing. Stop leak if you can do so without risk. Keep unnecessary persons away, isolate the danger area and prevent entry. Eliminate sources of combustion.</p> <p>Keep upwind, out of low areas and ventilate confined spaces before entering. Assess the affected area to determine if evacuation is necessary. If it is necessary to evacuate the danger zone, you should follow the advice of an expert. If sheltering in place, tape windows and doors, close outside air intakes (attic fans, etc.) and place a damp towel or cloth over your face (if necessary).</p>	
	<b>For emergency responders</b>	
	If specialized clothing is required to deal with the spill, make note of any information on suitable and unsuitable materials. See also the information in "For non-emergency personnel".	
<b>6.2</b>	<b>Environmental precautions</b>	
	In case of accidental spills and leaks avoid dispersal of spilled material, runoff and contact with soil, watercourses (surface and groundwater), drains and sewers. Inform the competent authorities if the product has caused adverse impacts (sewers, watercourses, soil or air).	
<b>6.3</b>	<b>Methods and material for containment and cleaning up</b>	
	In case of accidental spills and leaks, avoid dispersal of spilled material. Use water spray or foam to control vapors. Make a protective barrier and ensure closure of drains with suitable containment material. Absorb with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep and shovel into suitable containers for disposal.	
<b>6.4</b>	<b>Reference to other sections</b>	
	<p>See Section 1 for information on contact in case of emergency.</p> <p>See Section 8 for information on personal protection equipment.</p> <p>See Section 13 for disposal information.</p>	
<b>SECTION 7</b>	<b>Handling and storage</b>	
<b>7.1</b>	<b>Precautions for safe handling</b>	

## NPK (without ammonium nitrate)

	<b>Technical precautionary measures</b>	Wear appropriate personal protective equipment. Avoid contact with eyes, skin or clothing. Do not breathe vapors or mist. Do not ingest. Avoid release to the environment. Keep in original container or approved alternative made of a compatible material, kept tightly closed when not in use. Empty containers retain product residues and may be hazardous. Do not reuse container. Avoid handling incompatible substances, see section 7.2. and 10.
	<b>Advice on general occupational hygiene</b>	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
<b>7.2</b>	<b>Conditions for safe storage, including any incompatibilities</b>	
	Avoid contact and packaging with incompatible substances or mixtures. See section 10; Avoid proximity to potential sources of ignition (including electrical equipment); Store in a place that avoids adverse weather conditions (high temperatures); Avoid direct sunlight; Ensure good ventilation of the storage area. Ensure that the quantities that can be stored are not exceeded. See section 15.	
<b>7.3</b>	<b>Specific end use(s)</b>	
	Use only as described in section 1.2.	
<b>SECTION 8</b>	<b>Exposure controls/personal protection</b>	
<b>8.1</b>	<b>Control parameters</b>	
	<b>Occupational exposure limits</b>	There is no limit of occupational exposure value.
	<b>Recommended monitoring procedures</b>	If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of ventilation or other control measures and/or the need to use respiratory protective equipment. Monitoring standards such as the following may be used as reference: European Standard EN 689 (Atmospheres in the workplace. Guidelines for the evaluation of inhalation exposure of chemical agents for comparison with limit values and measurement strategy), European Standard EN 14042 (atmospheres in the workplace. Guidelines for the application and use of procedures to assess exposure to chemical and biological agents) European Standard EN 482 (atmospheres in the workplace. General requirements for the performance of procedures for measuring chemical agents). National guidance documents on methods for the determination of hazardous substances should also be used as a reference.
	<b>Derived effect levels</b>	No DELs available.
	<b>Predicted effect concentrations</b>	No PECs available.
	<b>Ingredients with limit values that require monitoring at the workplace</b>	Not required.
<b>DNEL</b>		

## NPK (without ammonium nitrate)

	Not applicable.	
	<b>PNEC</b>	
	Not applicable.	
	<b>Components with biological limit values</b>	Non-existent.
	<b>Additional indications</b>	The Occupational exposure limits lists valid during the making were used as basis.
<b>8.2</b>	<b>Exposure controls</b>	
	<b>Appropriate engineering controls</b>	<ul style="list-style-type: none"> <li>- Ensure adequate ventilation.</li> <li>- Apply technical measures to comply with professional exposure limits.</li> <li>- Consult the protective measures listed in sections 7 and 8.</li> </ul>
	<b>Personal protective measures, such as personal protective equipment</b>	<b>General protection and hygiene measures</b> Wash completely the hands, forearms and face after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Use the appropriate techniques to remove the contaminated clothes. Wash the contaminated clothes before reusing. Verify that the eyes washing stations and safety showers were near to working stations.
		<b>Respiratory protection</b> If dust concentration is high and/or ventilation is inadequate, use a dust mask or a mask with a suitable filter (e.g. EN 143, 149, filter P1).
		<b>Hand protection</b> Wear suitable gloves (e.g. rubber or PVC) when handling the product for long periods of time.
		<b>Glove material</b> Nitrile rubber, NBR
		<b>Other</b> Use personal protective equipment during use and handling of the product.
		<b>Eye/face protection</b> Safety eyewear complying with an approved standard EN 166:2002 should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If contact is possible, use the following protection, unless the assessment indicates a higher degree of protection: safety glasses with side shields. Recommended: Eyewear, mask or other protection that covers the entire face must be used if there is a possibility of being exposed to aerosols or splashes, or if hot material is handled.
		<b>Thermal hazards</b> Not available.
	<b>Environmental exposure controls</b>	General ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

## NPK (without ammonium nitrate)

SECTION 9	Physical and chemical properties	
9.1	Information on basic physical and chemical properties	
	Appearance	Prills
	Colour	White
	Odour	Odourless
	Odour threshold	Not available.
	pH	>4.5
	Melting point/freezing point	130-140 ° C
	Initial boiling point and boiling range	Undetermined
	Flash point	Not applicable due to physico-chemical
	Evaporation rate	Not available
	Flammability	Non-flammable
	Upper/lower flammability or explosive limits	
	Lower	Not available.
	Upper	Not available.
	Vapour pressure	Not determined.
	Vapour density	Not available.
	Relative density	at 20 ° C                      850-1100
	Solubility	
	In water	Fully miscible.
	Partition coefficient: n-octanol/water	Not available.
	Auto-ignition temperature	Not available.
	Decomposition temperature	Not determined.
	Viscosity	
	Kinematic	Not available.
	Dynamic	Not available.
	Explosive properties	The product is not explosive
	Oxidising properties	Not available
9.2	Other information	No additional information. No further relevant information available.
SECTION 10	Stability and reactivity	
10.1	Reactivity	Stable under recommended storage conditions.
10.2	Chemical stability	Chemically stable under the indicated storage, handling and use conditions.

## NPK (without ammonium nitrate)

<b>10.3</b>	<b>Possibility of hazardous reactions</b>	High temperature, due to the release of toxic gases (ammonia, NO <sub>x</sub> ). Contamination by incompatible materials. Exposure to humidity should be avoided to prevent physical degradation of the product.
<b>10.4</b>	<b>Conditions to avoid</b>	Avoid storage together with strong bases and/or strongly oxidizing or reducing substances.
<b>10.5</b>	<b>Incompatible materials</b>	Acids, alkalis, nitrites and nitrates, sodium or calcium hypochlorite, strong oxidants. Urea reacts with sodium hypochlorite and calcium hypochlorite to form nitrogen trichloride which is spontaneously explosive in air. Strong reaction with nitrites.
<b>10.6</b>	<b>Hazardous decomposition products</b>	In case of fire: see Section 5 When heated strongly it melts and decomposes, releasing toxic gases (e.g. NO <sub>x</sub> and ammonia). When in contact with alkaline materials, such as lime, may produce ammonia gases.

### SECTION 11 Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

Component	CAS number	Method	Species	Route	Result
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Not applicable.

Based on available data, the classification criteria are not met.

##### Skin corrosion/irritation

Component	CAS number	Method	Species	Route	Result
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Not applicable.

Based on available data, the classification criteria are not met.

##### Serious eye damage/irritation

Component	CAS number	Method	Species	Route	Result
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Not applicable.

Based on available data, the classification criteria are not met.

##### Respiratory or skin sensitisation

Component	CAS number	Method	Species	Route	Result
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Not applicable.

Based on available data, the classification criteria are not met.

##### Germ cell mutagenicity

Component	CAS number	Method	Species	Result
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## NPK (without ammonium nitrate)

Not applicable.

Based on available data, the classification criteria are not met.

### Carcinogenicity

Component	CAS number	Method	Species	Route	Result
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Not applicable.

Based on available data, the classification criteria are not met.

### Reproductive toxicity

Component	CAS number	Method	Species	Route	Result
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Not applicable.

Based on available data, the classification criteria are not met.

### STOT- single exposure

Component	CAS number	Method	Species	Route	Result
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Not applicable.

Based on available data, the classification criteria are not met.

### STOT-repeated exposure

Component	CAS number	Method	Species	Route	Result
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Not applicable.

Based on available data, the classification criteria are not met.

### Aspiration hazard

Component	CAS number	Result
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Not applicable.

Based on available data, the classification criteria are not met.

## SECTION 12 Ecological information

### 12.1 Toxicity

#### Aquatic toxicity

Component	N° CAS	Fish	Crustacea	Algae
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Not applicable.

#### Terrestrial toxicity

Component	N° CAS	Macro-organism	Micro-organism	Terrestrial plants	Other organisms
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## NPK (without ammonium nitrate)

	Not applicable.				
	<b>Microbiological activity in wastewater treatment plants</b>				
	<b>Component</b>	<b>N° CAS</b>	<b>Toxicity to aquatic micro-organisms</b>		
	Not applicable.				
<b>12.2</b>	<b>Persistence and degradability</b>				
	<b>Component</b>	<b>N° CAS</b>	<b>Degradation</b>		
	Not applicable.				
<b>12.3</b>	<b>Bioaccumulative potential</b>				
	<b>Component</b>	<b>N° CAS</b>	<b>Octanol-water partition coefficient (Kow)</b>	<b>Bioaccumulation factor (BFC)</b>	<b>Observations</b>
	Not applicable.				
<b>12.4</b>	<b>Mobility in soil</b>				
	<b>Component</b>	<b>N° CAS</b>	<b>Result</b>		
	Not applicable.				
<b>12.5</b>	<b>Results of PBT and vPvB assessment</b>				
	Not applicable.				
<b>12.6</b>	<b>Other adverse effects</b>				
	Significative effects o critics risks are not known.				
<b>SECTION 13</b>	<b>Disposal considerations</b>				
<b>13.1</b>	<b>Waste treatment methods</b>				
	Methods of disposal	<p>Waste management (disposal and recovery) :</p> <p>Consult the authorised waste manager for recovery and disposal operations, in accordance with Annex 1 and Annex 2 (Directive 2018/851/EC, Law 7/2022 of 8 April, on waste and contaminated soil for a circular economy)..</p> <p>Packaging: According to codes 15 01 (Commission Decision 2014/955/EU), if the packaging has been in direct contact with the product, it should be treated in the same way as the product itself, otherwise it should be treated as non-hazardous waste. Discharge into waste water is not recommended. See section 6.2.</p> <p>Waste management provisions :</p> <p>In accordance with Annex II of Regulation (EC) No 1907/2006 (UK REACH), the Community or national provisions on waste management are presented.</p> <p>Community legislation: Directive 2018/851/EC, Commission Decision 2014/955/EU, Regulation (EU) no. 1357/2014 and the national legislation.</p>			
	Hazardous waste code	Basing on its current knowledge, the supplier does not consider this product as a hazardous waste.			
<b>SECTION 14</b>	<b>Transport information</b>				

## NPK (without ammonium nitrate)

	Regulatory information	ADR/RID	ADNR	IMDG	IATA			
14.1	UN number	-						
14.2	UN proper shipping name	-	-					
14.3	Transport hazard class(es)	-						
	Class					-	-	
	Label					-	-	
14.4	Packing group	-						
14.5	Environmental hazards	Product not classified as hazardous to the aquatic environment.						
14.6	Special precautions for user	Not defined. See the relevant information, such as handling, in other sections of this document.						
14.7	Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.						
<b>SECTION 15 Regulatory information</b>								
15.1	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>							
	<b>GB Regulation (EC) No 1907/2006 (REACH)</b>	This product complies with the UK REACH Regulation.						
	<b>Named dangerous substances - ANNEX VI (CLP)</b>	None substance listed.						
	<b>SEVESO Category</b>	Not applicable.						
	<b>Qualifying quantity (tonnes) for the application of lower-tier requirements</b>	Not applicable.						
	<b>Qualifying quantity (tonnes) for the application of upper-tier requirements</b>	Not applicable.						
	<b>Regulation (EC) No 1907/2006 - ANNEX XVII</b>	Not applicable.						
15.2	<b>Chemical safety assessment</b>							
	A chemical safety assessment has not been performed as it is a mixture (exempt from registration).							
<b>SECTION 16 Other information</b>								
	<b>Relevant phrases</b>	Not applicable.						

## NPK (without ammonium nitrate)

<b>Abbreviations and acronyms</b>	<p>ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).</p> <p>STP: Sewage treatment plant.</p> <p>OECD: Organisation for Economic Co-operation and Development.</p> <p>NOAEL: No observed adverse effect level..</p> <p>IMDG: International Maritime Code for Dangerous Goods.</p> <p>IATA: International Air Transport Association.</p> <p>GHS: Globally Harmonised System of Classification and Labelling of Chemicals.</p> <p>CAS: Chemical Abstracts Service (division of the American Chemical Society).</p> <p>DNEL: Derived No-Effect Level (UK REACH).</p> <p>PNEC: Predicted No-Effect Concentration (UK REACH).</p>
<b>Data compared to the previous version altered</b>	Adaptation to Commission Regulation (EU) N° 2015/830.
<b>References</b>	<p>This safety data sheet has been prepared in accordance with:</p> <ul style="list-style-type: none"> <li>- ANNEX II: Guidance for the preparation of Safety Data Sheets of Regulation (EC) No 1907/2006 (Regulation (EU) 2020/878) based on the data included in the chemical safety report of registered substances.</li> <li>- Guidance available on the European Chemicals Agency (ECHA) website: (<a href="http://echa.europa.eu/">http://echa.europa.eu/</a>).</li> <li>- Guidance for the compilation of safety data sheets for fertilizer materials (<a href="http://www.fertilizerseurope.com">www.fertilizerseurope.com</a>).</li> </ul>
<b>Methods used for the classification of the mixture (Article 9 of Regulation (EC) No 1272/2008)</b>	Classification and Labeling in accordance with the principle of extrapolation of Regulation No. 1272/2008 (CLP).
<b>Advice on any training appropriate for workers to ensure protection of human health and the environment</b>	Minimum training in the prevention of occupational hazards is recommended for personnel who will handle this product, in order to facilitate the understanding and interpretation of this safety data sheet, as well as the product label.

The information contained in this safety data sheet is provided in good faith and its accuracy is based on knowledge of the product at the time of publication. The information presented is only intended to describe the product from the point of view of human and environmental protection and safety, and therefore cannot be regarded as product specifications. It does not imply acceptance of any commitment or legal responsibility on the part of the Company, for the consequences of its use or misuse in any circumstances. The information provided is considered accurate and current at the time of this edition, referring only to the product and may not be valid in compositions or formulations with other products. The responsibility for its use belongs to the users.