

Safety Data Sheet

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



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Neoforce Defender

SECTION 1		Identification of the substance/mixture and of the company/undertaking
1.1	Product identifier	
	Trade name	Neoforce Defender
	Code	DS-104
	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	Agricultural use.
	Uses advised against	Others than those indicated.
1.3	Details of the supplier of the safety data sheet	ADP – Fertilizantes, S.A. Estrada Nacional nº 10 2615-907 Alverca Portugal (00351) 210 300 400 e-mail: fdsinfo@grupofertiberia.com
1.4	Emergency telephone number	ADP – Fertilizantes, S.A., Lavradio - (00351) 210 300 400 (Only available during office hours; Monday-Friday; 08:00-18:00)
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.

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	Hazard-determining components of labelling	Not applicable.				
	Hazard statements	Not applicable.				
	Precautionary statements	P102 Keep out of reach of children. P270 Do not eat, drink or smoke when using this product.				
	Additional information	Not applicable.				
	Supplemental information on the label	Not applicable.				
	Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Not applicable.				
	Special packaging requirements	Not applicable.				
	Containers to be fitted with child-resistant fastenings	Not applicable.				
	Tactile hazard warning	Not applicable.				
2.3	Other hazards					
	Other hazards which do not result in classification	None known.				
	Results of the PBT and vPvB assessment	Not applicable.				
SECTION 3	Composition/information on ingredients					
3.1	Substances					
	Not applicable.					
3.2	Mixtures					
	Name	CE number	CAS number	Registration number	%(P/P)	Classification Regulation CE N° 1272/2008
	Organic extract	-	-	-	100%	Not classified
	Additional indications	For the wording of the listed hazard phrases refer to section 16.				
SECTION 4	First aid measures					

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4.1	Description of first aid measures	
	General information	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.
	Inhalation	Remove from exposure. In severe cases, or if recovery is not rapid or complete, seek medical attention.
	Ingestion	Rinse mouth with water. Do not induce vomiting. If patient is conscious, give water to drink. If patient feels unwell, seek medical attention.
	Skin contact	It is a product that does not contain substances classified as hazardous in contact with the skin, however, in case of contact, it is recommended to clean the affected area with water and neutral soap. However, in case of contact, it is recommended to clean the affected area with water and neutral soap.
	Eye contact	Irrigate with plenty of water for at least 10 minutes. Get medical attention.
4.2	Most important symptoms and effects, both acute and delayed	
	Eye contact	No significant effects or critical hazards are known.
	Inhalation	No significant effects or critical hazards are known.
	Skin contact	No significant effects or critical hazards are known.
	Ingestion	No significant effects or critical hazards are known.
4.3	Indication of any immediate medical attention and special treatment needed	
	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:	
	Notes to physician	Treat symptomatically.
	Specific treatments	There is no specific treatment. It depends on specialized medical observation.
SECTION 5		
	Firefighting measures	
5.1	Extinguishing media	
	The product is not flammable.	
	Suitable extinguishing agents	Non-flammable product, low fire hazard due to the flammability characteristics of the product under normal conditions of storage, handling and use. In the event of sustained combustion as a result of improper handling, storage or use, any type of extinguishing agent may be used (ABC powder, water...).
	Unsuitable extinguishing agents for safety reasons	None.
5.2	Special hazards arising from the substance or mixture	
	Due to its flammability characteristics, the product does not present a fire hazard under normal conditions of storage, handling and use.	

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	Hazardous thermal decomposition products	None known.
5.3	Advice for firefighters	
	<p>Open warehouse doors and windows for maximum ventilation. 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>	
SECTION 6	Accidental release measures	
6.1	Personal precautions, protective equipment and emergency procedures	
	Wear protective clothing.	
	For non-emergency personnel	
	<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. 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>	
	For emergency responders	
	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".	
6.2	Environmental precautions	
	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).	
6.3	Methods and material for containment and cleaning up	
	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.	
6.4	Reference to other sections	
	<p>See Section 1 for information on contact in case of emergency. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.</p>	
SECTION 7	Handling and storage	

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7.1	Precautions for safe handling	
	Technical precautionary measures	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.
	Advice on general occupational hygiene	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.
7.2	Conditions for safe storage, including any incompatibilities	
	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.	
7.3	Specific end use(s)	
	Use only as described in section 1.2.	
SECTION 8	Exposure controls/personal protection	
8.1	Control parameters	
	Occupational exposure limits	There is no limit of occupational exposure value.
	Recommended monitoring procedures	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.
	Derived effect levels	No DELs available.
	Predicted effect concentrations	No PECs available.

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	Ingredients with limit values that require monitoring at the workplace	Not required.
DNEL		
Not applicable.		
PNEC		
Not applicable.		
	Components with biological limit values	Non-existent.
	Additional indications	The Occupational exposure limits lists valid during the making were used as basis.
8.2	Exposure controls	
	Appropriate engineering controls	<ul style="list-style-type: none"> - Ensure adequate ventilation. - Apply technical measures to comply with professional exposure limits. - Consult the protective measures listed in sections 7 and 8.
	Personal protective measures, such as personal protective equipment	General protection and hygiene measures 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.
		Respiratory protection 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).
		Hand protection Use suitable gloves (e.g. rubber or PVC) when handling the product for long periods of time. Replace gloves at any sign of deterioration. CEN Standards EN 374-1:2003, EN 374-3:2003/AC:2006, EN 420:2003+A1:2009 apply.
		Glove material PVC (polyvinyl chloride) gloves
		Other Use personal protective equipment during use and handling of the product.
		Eye/face protection Use personal protective equipment during use and handling of the product. Use safety glasses against splashes and/or projections. Clean daily and disinfect periodically according to manufacturer's instructions. Use is recommended in case of risk of splashing. CEN Standards EN 166:2001, EN 172:1994/A1:2000, EN 172:1994/A2:2001, EN ISO 4007:2012 apply.
		Thermal hazards Not available.

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	Environmental exposure controls	General ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.
SECTION 9	Physical and chemical properties	
9.1	Information on basic physical and chemical properties	
	Appearance	Liquid
	Colour	Dark brown.
	Odour	Characteristic.
	Odour threshold	Not available.
	pH	5-6
	Melting point/freezing point	Not available.
	Initial boiling point and boiling range	100 °C
	Flash point	Not applicable due to physico-chemical characteristics
	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	1030 kg/m ³
	Solubility	
	In water	Not available.
	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

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	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.				
10.3	Possibility of hazardous reactions	Under the conditions indicated, no dangerous reactions are expected that could result in excessive pressure or temperatures.				
10.4	Conditions to avoid	None known.				
10.5	Incompatible materials	None known.				
10.6	Hazardous decomposition products	See sections 10.3, 10.4 and 10.5 for specific decomposition products. Depending on the decomposition conditions Depending on the decomposition conditions, complex mixtures of chemicals may be released as a result of decomposition: carbon dioxide (CO ₂), carbon monoxide and other organic compounds.				
SECTION 11 Toxicological information						
11.1	Information on toxicological effects					
Acute toxicity						
	Component	CAS number	Method	Species	Route	Result
Not applicable.						
Based on available data, the classification criteria are not met.						
Skin corrosion/irritation						
	Component	CAS number	Method	Species	Route	Result
Not applicable.						
Based on available data, the classification criteria are not met.						
Serious eye damage/irritation						
	Component	CAS number	Method	Species	Route	Result
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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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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Not applicable.

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Microbiological activity in wastewater treatment plants					
	Component	N° CAS	Toxicity to aquatic micro-organisms		
Not applicable.					
12.2 Persistence and degradability					
	Component	N° CAS	Degradation		
Not applicable.					
12.3 Bioaccumulative potential					
	Component	N° CAS	Octanol-water partition coefficient (Kow)	Bioaccumulation factor (BFC)	Observations
Not applicable.					
12.4 Mobility in soil					
	Component	N° CAS	Result		
Not applicable.					
12.5 Results of PBT and vPvB assessment					
Not applicable.					
12.6 Other adverse effects					
Significative effects or critical risks are not known.					
SECTION 13 Disposal considerations					
13.1 Waste treatment methods					
	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.		
SECTION 14 Transport information					
	Regulatory information	ADR/RID	ADNR	IMDG	IATA

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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.	
SECTION 15 Regulatory information			
15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture		
	GB Regulation (EC) No 1907/2006 (REACH)	This product complies with the UK REACH Regulation.	
	Named dangerous substances - ANNEX VI (CLP)	None substance listed.	
	SEVESO Category	Not applicable.	
	Qualifying quantity (tonnes) for the application of lower-tier requirements	Not applicable.	
	Qualifying quantity (tonnes) for the application of upper-tier requirements	Not applicable.	
	Regulation (EC) No 1907/2006 - ANNEX XVII	Not applicable.	

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15.2

Chemical safety assessment

No chemical safety assessment has been performed for this substance because it is not a substance classified as hazardous.

SECTION 16

Other information

Relevant phrases

Not applicable.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).
 STP: Sewage treatment plant.
 OECD: Organisation for Economic Co-operation and Development.
 NOAEL: No observed adverse effect level..
 IMDG: International Maritime Code for Dangerous Goods.
 IATA: International Air Transport Association.
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals.
 CAS: Chemical Abstracts Service (division of the American Chemical Society).
 DNEL: Derived No-Effect Level (UK REACH).
 PNEC: Predicted No-Effect Concentration (UK REACH).

Data compared to the previous version altered

It is the first version.

References

This safety data sheet has been prepared in accordance with:
 - 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.
 - Guidance available on the European Chemicals Agency (ECHA) website: (<http://echa.europa.eu/>).
 - Guidance for the compilation of safety data sheets for fertilizer materials (www.fertilizerseurope.com).

Methods used for the classification of the mixture (Article 9 of Regulation (EC) No 1272/2008)

Classification and Labeling in accordance with the principle of extrapolation of Regulation No. 1272/2008 (CLP).

Advice on any training appropriate for workers to ensure protection of human health and the environment

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.