

DOCUMENT FOR SAFE USE

This document is provided for informational purposes since the end product is not dangerous and does not require MSDS



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1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING										
1.1	<p>Identification of the preparation</p> <p>Fertilizer formula</p> <p>Product type</p> <p>CAS number</p> <p>EC number</p>	<p>FERCRISTAL 20-20-20</p> <p>Mixture</p> <p>Fertilizer</p> <p>N/A</p> <p>N/A</p>								
1.2	Use of the substance/preparation	CRYSTALLINE FERTILIZER								
1.3	Company/undertaking identification	FERTINAGRO NUTRIENTES, S.L.								
	Company address	Pol. Ind. La Paz, Parcela 185 C.P. 44195 Teruel								
	Company telephone	0034 978618070								
	e-mail address of person responsible for this SDS	inforeach@fertinagro.es								
	Emergency telephone number	978 618 070 (Monday to Friday 9:00-14:00 and 16:00-19:00)								
2 HAZARDS IDENTIFICATION										
2.1	Classification	According with 1272/2008 [CLP]: Mixture No classified								
2.2	Labelling elements	<table border="1"> <thead> <tr> <th>Pictograms</th> <th>Warning word</th> <th>Hazards</th> <th>Safety advice</th> </tr> </thead> <tbody> <tr> <td>Not applicable</td> <td>Not applicable</td> <td>Not applicable</td> <td>P102 , P270</td> </tr> </tbody> </table>	Pictograms	Warning word	Hazards	Safety advice	Not applicable	Not applicable	Not applicable	P102 , P270
		Pictograms	Warning word	Hazards	Safety advice					
Not applicable	Not applicable	Not applicable	P102 , P270							
2.3	Other hazards	Not PBT or vPvB								
3 COMPOSITION/INFORMATION ON INGREDIENTS										
3.1	Mixture									
	The compounds that make up this product are not considered hazardous once the process of manufacturing the product.									
4 FIRST AID MEASURES										
4.1	First aid measures description									
	Eye contact	Wash thoroughly with water. If in any case had symptoms persist over time, see a doctor.								
	Skin contact	Wash thoroughly with water. If in any case had symptoms persist over time, see a doctor.								
	Inhalation	In case of inhalation of gases produced by combustion, provide the individual with fresh air and if symptoms persist, seek medical								
	Ingestion	The product is not considered harmful if swallowed. Keep the patient calm and for safety Seek medical attention, showing the composition of the product.								
5 FIRE-FIGHTING MEASURES										
5.1	Extinguishing media									
	Suitable	Use water to extinguish fire								
	Not suitable	N/D								
5.2	Special exposure hazards	In case of fire may produce toxic gases.								
	Hazardous thermal decomposition products	None known.								
5.3	Specific methods to combat fire	-								
	Special protective equipment for fire-fighters	Due to the formation of toxic gases is advisable to use a respirator with a combined filter.								

6 ACCIDENTAL RELEASE MEASURES		
6.1	Personal precautions	N/A
6.2	Environmental precautions	Use the amounts per hectare indicated on the label or container. Prevent the product from dissolving in water and that it goes to the sewer system. If you cannot avoid it and the product reaches the sewer, inform the relevant authorities of the place and time that has been the incident.
6.3	Methods for cleaning up	Collect the product mechanically

7 HANDLING AND STORAGE		
7.1	Safety Handling Measures	No special precautions necessary when handling the product but we recommend washing after handling.
7.2	Storage Conditions and incompatibilities	It is advisable that the product is stored in a covered, cool and dry place. Store the product in places only for this product. Keep away from sources of ignition or heat sources
	Packaging materials recommended	Use original container
7.3	Specific final uses	Fertilizer

8 EXPOSURE CONTROLS/PERSONAL PROTECTION		
8.1	Exposure Limit Values	Not available
8.2	Occupational exposure limits	
	Recommended monitoring procedures	Avoid eye contact. No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
	Occupational exposure controls	
	Respiratory protection	Recommended: Good ventilation. In case of fire, use a respirator with a combined filter.
	Hand protection	Recommended: Use gloves.
	Eye protection	Recommended: Safety glasses.
	Skin protection	Recommended: Wash after handling, use work clothes
	Hygiene measures	Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. Follow good industrial hygiene practice.
	Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation

9 PHYSICAL AND CHEMICAL PROPERTIES		
9.1	Information on basic physical and chemical properties	
	Aspect	Solid
	Color	Various colours
	Odour	No
	Molecular weight	N/D
	pH	N/D
	Boiling point	N/D
	Point / melting range	N/D
	Flashpoint	N/D
	Inflammability	N/D
	Explosive properties	N/D
	Oxidizing properties	N/D
	Relative density	N/D
	Vapor pressure at 20 ° C	N/D
	Vapor Density	N/D
	Partition coefficient	N/D
	Viscosity	N/D
	Solubility in water	N/D

10 STABILITY AND REACTIVITY		
10.1	Reactivity	
10.2	Chemical Stability	The product is stable. Under normal conditions of storage and use, hazardous polymerisation will not occur.
10.3	Possibility of hazardous reactions	Avoid contact with organic materials and strong acids and bases.
10.4	Conditions to avoid	Prevent the product from coming into contact with ignition sources or heat sources.
10.5	Incompatible materials	Avoid contact with organic materials and strong acids and bases.
10.6	Hazardous decomposition products	In case of combustion may form toxic gases.

11	TOXICOLOGICAL INFORMATION	
11.1	Information on toxicological effects	
	Potential acute health effects	
	Oral LD50 Rat: Higher 2500mg/Kg. According to tests the product is considered non-harmful if swallowed.	
	Corrosion / Dermal irritation	
	According to tests, there are no erythema, eschar or edema in laboratory animals, so the product can be considered as non-irritating to the skin.	
	Injury / serious eye irritation	
	According to tests, there are no eye damage in laboratory animals, so the product can be considered as non-irritating to the eyes.	
	Respiratory or skin sensitization	
	Inhalation is not considered as a possible route of exposure.	

12	ECOLOGIC INFORMATION	
	Toxicity	
12.1	Aquatic toxicity	N/E
12.2	Persistence and degradability	N/E
12.3	Bioaccumulative potential	N/E
12.4	Soil mobility	N/E
12.5	Results of valoration PBT/mPmB	N/E
12.6	Other adverse effects	N/E

13	DISPOSAL CONSIDERATIONS	
13.1	Methods of disposal	Use mechanical means. Do not remove the product diluting in water or throwing it into the sewer system. Follow local instructions and rules governing the disposal. Follow local instructions and rules governing the disposal of waste.

14	TRANSPORT INFORMATION						
14.1	Regulation information	ONU Number	Transport name	Class	Packing group	Environment danger	Special precautions for users
	Not restricted	-	-	-	-	-	-

15	REGULATORY INFORMATION	
	The consumer is responsible for well known national and local regulations	
15.1	EU regulations	Classification and labelling have been determined according to CLP and take into account the intended product use.
15.2	Chemical Safety Report	N/A

16	OTHER INFORMATION	
	Safety advice (CLP)	P102: Keep out of reach of children P270: Do not eat, drink or smoke during use
	Adequate training for workers	Mandatory training on Occupational Risk Prevention
	Abbreviations and acronyms	VLA-ED: Value Daily exposure limit. VLA-EC: Threshold Limit Value environmentally. Short exposure. NOAEL: No Observed Adverse Effect Concentration DNEL: Derived no-effect concentration. PNEC: Predicted No Effect Concentration EC50: effective average concentration. Concentration of compound that affects 50% of the organisms tested. LC50: Lethal concentration. Amount of material that causes death in 50% of the organisms tested DL50: Dose lethal. Dose of a material that causes death in 50% of the organisms tested N/D: No disponible; N/A: No aplicable N / A: Not Available, N / A: Not applicable DSD: Directive 65/548/CEE; CLP Regulation 1272/2008
	Changes to the current review	REACH adaptation and Regulation 453/2010

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