

Statutory cause

To be used only where there is a recognized need. Do not exceed the appropriate dose rate.

Health & Safety

Detailed information on the products can be found in our relevant Health and Safety Information (Material Safety Data Sheet) available via BASF's World Account: <https://worldaccount.basf.com> (registered access).

Technical Information

Is available for professional users.

* Specific packages available on request

Product	EC Fertiliser	Principal Uses					Standard Packages*						
		Soil	Foliar	Hydroponic	Pot Plant		Big Bag	Valve Sack	Cardboard Box	Plastic Bucket	5 kg Bag	1 kg Bag	Plastic Keg

Single Element Chelates

Chaufer	•	•	•	•		Especially effective on soil with pH <7.5	600 kg			20 kg	4 × 5 kg	20 × 1 kg		
Libfer SP	•	•	•	•		Especially effective on soil with pH <7.5	700 kg	25 kg	25 kg	20 kg	4 × 5 kg	20 × 1 kg		
Librel Fe-HI		•				Especially effective on soil with pH <7.5	600 kg	20 kg	20 kg	20 kg				
Librel Fe-DP	•	•	•	•		For moderately alkaline soils of up to pH 7.5 and hydroponics	700 kg		25 kg	20 kg		20 × 1 kg		
Librel Fe-DP 6 L	•			•	•								25 kg	250 kg
Librel Fe-LO	•	•	•	•		For soils and hydroponic solutions below pH 6.5 and for foliar spraying.	900 kg	25 kg	25 kg			20 × 1 kg		
Librel Cu	•	•	•	•			700 kg	25 kg	25 kg			20 × 1 kg		
Librel Mn	•	•	•	•			800 kg	25 kg	25 kg			20 × 1 kg		
Librel Zn	•	•	•	•			800 kg	25 kg	25 kg			20 × 1 kg		
Librel Mg			•				700 kg	25 kg	25 kg					
Librel Ca		•				Does not increase pH. Do not apply Librel Ca to any fruit crops as a foliar spray.	700 kg	25 kg	25 kg					
Librel Co	•	•	•	•			700 kg			25 kg				

Mixed Element Chelates

Librel BMX	•	•	•	•			700 kg	25 kg	25 kg			20 × 1 kg		
Librel RMX 8	•	•	•	•			700 kg							
Librel RMX 13	•	•	•	•			500 kg							
Librel RMX 26		•	•	•			700 kg			25 kg				
Librel RMX 27		•	•	•			700 kg			25 kg				
Librel RMX 29	•	•	•	•			700 kg			25 kg				
Librel Mix AL	•	•	•	•			700 kg			25 kg				
Librel Mix	•	•	•	•			700 kg							
Librel TMX AP 02	•	•	•	•			700 kg							
Libremix B	•	•	•		•		800 kg			25 kg		20 × 1 kg		

Micronutrients



■ Chaufer®

■ Libfer®

■ Librel®

■ Libremix®

Product	Chelating Agent	Physical Form	Concentration in %										pH value 1% in water* 2% in water**	Color	Solubility in water	Shelf Life years	Tariff No.	Notes
			Fe	Cu	Mn	Zn	Mg	Ca	Co	Mo***	B***							

Single Element Chelates

Chaufur	EDDHA	Solid	6									7.5 – 9*	Dark Red/Black	~100 g/l (at 20 °C)	4	3105909990	4.8% Fe chelated by [o,o] EDDHA
Libfer SP	EDDHA	Solid	6									7.5 – 9*	Dark Red/Black	~100 g/l (at 20 °C)	4	3105909990	4% Fe chelated by [o,o] EDDHA
Librel Fe-HI	EDDHA/EDTA	Solid	7									7 – 9*	Dark Red/Black	~100 g/l (at 20 °C)	4	3105909990	Iron as Fe ³⁺
Librel Fe-DP	DTPA	Solid	7									4 – 7**	Orange/Brown	~150 g/l (at 20 °C)	4	3105909990	Iron as Fe ³⁺
Librel Fe-DP 6 L	DTPA	Liquid	6										Dark Red/Brown	Fully miscible	1	2922498590	Iron as Fe ³⁺
Librel Fe-LO	EDTA	Solid	13									4.5 – 5.5**	Yellow/Amber	~75 g/l (at 20 °C)	4	2922498590	Iron as Fe ³⁺
Librel Cu	EDTA	Solid		14								5 – 9**	Blue	~350 g/l (at 20 °C)	4	2922498590	Copper as Cu ²⁺
Librel Mn	EDTA	Solid			13							5 – 9**	White/Off White	~300 g/l (at 20 °C)	4	2922498590	Manganese as Mn ²⁺
Librel Zn	EDTA	Solid				14.5						5 – 9**	White/Off White	~300 g/l (at 20 °C)	4	2922498590	Zinc as Zn ²⁺
Librel Mg	EDTA	Solid					5.5					5 – 9**	White/Off White	~400 g/l (at 20 °C)	4	2922498590	Magnesium as Mg ²⁺
Librel Ca	EDTA	Solid						9.5				5 – 9**	White/Off White	~300 g/l (at 20 °C)	4	2922498590	Calcium as Ca ²⁺
Librel Co	EDTA	Solid							13			5 – 9**	Pink/Purple	~300 g/l (at 20 °C)	4	2922498590	Cobalt as Co ²⁺

Mixed Element Chelates

Librel BMX	EDTA	Solid	3.4	1.7	1.7	0.6				0.02	0.9	5 – 9**	Green	~135 g/l (at 20 °C)	4	3105909990	
Librel RMX 8	EDTA	Solid	5.6	2.6	2.6	2.6						5 – 9**	Green	~115 g/l (at 20 °C)	4	3105909990	
Librel RMX 13	EDTA	Solid	7.2	0.9	3.6	1.2				0.6		5 – 9**	Green	~110 g/l (at 20 °C)	4	3105909990	
Librel RMX 26	EDTA	Solid	4	1.5	4	1.5	2***			0.1	0.5	4.5 – 6.5**	Green	~150 g/l (at 20 °C)	4	3105909990	
Librel RMX 27	EDTA	Solid	4	0.6	3	4	0.8***			0.05	1.5	4.5 – 6.5**	Green	~150 g/l (at 20 °C)	4	3105909990	
Librel RMX 29	EDTA	Solid	4	0.6	3	4				0.05	1.5	4.5 – 6.5**	Green	~300 g/l (at 20 °C)	4	3105909990	
Librel Mix AL	EDTA	Solid	7.5	0.3	4	0.5				0.2	0.5	5 – 9**	Yellow/Green	~115 g/l (at 20 °C)	4	3105909990	
Librel Mix	EDTA	Solid	7.5	0.3	4	0.5				0.2	0.5	5 – 9**	Yellow/Green	~110 g/l (at 20 °C)	4	3105909990	
Librel TMX AP 02	EDTA	Solid	3.4	1.2	1.2	5.4				0.1	1.2	5 – 9**	Green	~150 g/l (at 20 °C)	4	3105909990	
Libremix B	EDTA	Solid	3.7	1.9	1.8	0.7				2.9	0.9	5 – 9**	Green	~150 g/l (at 20 °C)	4	3105909990	

*** inorganic salt

Note

This document, or any answers or information provided herein by BASF, does not constitute a legally binding obligation of BASF. While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only.

Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use.

It does not relieve our customers from the obligation to perform a full inspection of the products upon delivery or any other obligation.

NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE.

Labelling

Details about the classification and labelling of our products and further advice on safe handling are contained in the current safety data sheets.

® = Registered trademark of BASF

™ = Trademark of BASF

BASF SE

Home Care & Formulation Technologies Europe

Carl-Bosch-Straße 38

67056 Ludwigshafen, Germany

Tel.: +49 621 60-0

www.basf.com/care-chemicals