

FUNCTIONAL CERAMAX

Ceramic Extreme Pressure Food Grade Grease Additive

APPLICATION:

FUNCTIONAL Ceramax is NSF Approved (#143817, HX-1, HX-2) and uses size optimized particles to provide an efficient and economical additive for use in heavy industrial and food processing grease. **Ceramax** provides lubrication and metal-to-metal protection under extreme loads and temperatures. **Ceramax** can be used in a wide variety of grease applications where high load and extreme pressure is experienced, replacing graphite, MoS₂ or PTFE.

COMPOSITION:

Ceramax is a non-toxic, non-conductive, and non-hazardous white boron nitride powder

Typical properties	
Appearance	White powder
Odor	Odorless
Purity	>98.5%

- Clean white non-conductive powder
- Industrial greases
- Food Processing greases
- Coatings and dry film additive

TREATMENT LEVEL:

Ceramax can be used effectively at treatment levels as low as 1% in grease.

HANDLING:

Any convenient technique may be used for blending. Safe handling precautions are the same as those to be taken with other nuisance powders; see the current Safety Data Sheet.



Nonfood Compounds
Program Listed
Category Codes: HX-1, HX-2
Registration No. **143817**

This Technical Data Sheet and the Safety Data Sheet contain information believed to be accurate and reliable. No warranty is made, however, to information beyond the control of FUNCTIONAL PRODUCTS INC. The engineering and management personnel of the user are responsible for determining the suitability of this or any product for any specific application, and this information is offered to them for that purpose.

Issued: 04/22/2014

FUNCTIONAL PRODUCTS INC.

Innovative Chemistry for Lubricants

Technical Data Sheet

Four Ball EP Test Results

	<u>Wear Scar 40kg (mm)</u>	<u>Extreme Pressure Weld (kg)</u>
Lithium Complex Base Grease	1.060	126
Lithium Complex / 1% Graphite	0.855	160
Lithium Complex / 1% MoS2	0.805	250
Lithium Complex / 1% PTFE	0.890	200
Lithium Complex / 1% Ceramax	0.760	250

*In Lithium Complex Grade 2 grease **Ceramax** displayed the lowest wear scar of the tested solid additives.*

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Issued: 04/22/2014

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