

## ULTRAPLEX CSFG 46X (RANGE)

### FOOD GRADE CALCIUM SULPHONATE GREASES

#### DESCRIPTION

Greases made of high viscosity semi-synthetic base oil thickened with calcium sulphonate, giving excellent anticorrosive and extreme-pressure properties. **ULTRAPLEX CSFG 46X** are approved by NSF as H1 category for incidental food contact.

#### APPLICATIONS

**ULTRAPLEX CSFG 46X** are specially indicated for lubrication of plain bearings, roller bearings and other mechanical components under **heavy loads** working in **adverse environmental conditions** in the food, beverage, pharmaceutical and cosmetics industries.

Some application examples are the lubrication of pelleting machines for feed and other food products, filling machines, mixers, mills, etc.

#### PROPERTIES

- Outstanding load carrying capacity.
- Excellent protection against corrosion
- High mechanical stability even under severe operating conditions.
- Extraordinary adherence that assure protection of mechanisms under high loads and water presence.
- Working temperature from -20 up to +180°C with suitable relubrication interval.
- High resistance to aging.
- Suitable for lubricating bearings at low to medium speeds (speed factor up to 200,000).

#### QUALITY LEVEL

- ISO-L-XBFI 0/2
- **Category H1** – Halal Register



#### TECHNICAL CHARACTERISTICS

	Method	Typical values		Units
		460	462	
	<b>ULTRAPLEX CSFG</b>	<b>460</b>	<b>462</b>	
Appearance	-	Brown grease		-
Penetration at 25°C	ASTM D-217	365	275	mm x 10 <sup>-1</sup>
Penetration at 25°C after 10 <sup>4</sup> strokes	ASTM D-217	380	283	mm x 10 <sup>-1</sup>
NLGI Consistency	ISO 2137	0	2	-
Dropping point	ASTM D-566	>300	>300	°C
Base oil viscosity at 40°C	ASTM D-445	460	460	mm <sup>2</sup> /s
Wear scar, 4 balls	ASTM D-2266	0,40	0,40	mm
Welding load, 4 ball test	ASTM D-2596	400	400	Kg
Water spray off, grease lost	ASTM D 4049	19	11	%
Water washout	ASTM D 1264	-	2,6	%
Salt spray test	ASTM B-117	>1000	>1000	hours
Corrosion protection	ASTM D-1743	Pass	Pass	-
Nº NSF Register	-	164048	156612	-
Nº Halal Register	IH-682/2.4/B/76	in process	/4/11	-

The information provided in this document is based upon our best knowledge at the date of revision indicate, and is subject to changes without prior notice. Such information does not release the user from testing the product in their own application. The data indicated represent average values and do not constitute product specifications. For more information please contact COGELSA Technical Support. COGELSA is not liable for damages caused by improper use of the product.

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#### HANDLING AND STORAGE

Handling not subject to special requirements. Throughout the lifespan of the product:

- Store separately from other lubricants, chemicals or foodstuffs.
- Protect from sunlight or other heat sources.
- Store at temperatures from 1°C up to +40°C.
- Keep container closed after opening.

The expiry date from date of manufacture is:

- NLGI consistencies 2 and 3 - 48 months
- NLGI consistencies 0 and 1 - 36 months
- NLGI consistencies 000 and 00 - 24 months

For further information and more product details, packaging and safety data sheets, please refer to our website [www.cogelsa.com](http://www.cogelsa.com) or contact us at: [info@cogelsa.com](mailto:info@cogelsa.com) or [export@cogelsa.com](mailto:export@cogelsa.com)

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