



Shanghai PingYiao Trading CO., Ltd.

## EMPATEM CC-30 G

Translation of the original Spanish. In case of a discrepancy, the Spanish original prevails

### Description and Recommendations

A highly refined natural paraffin mineral oil with special additives, which provide the properties required in continuous steel casting work. Empatem CC-30 G is a particularly suitable oil for lubricating the extraction from the mould of cast steel prepared in the crucible.

### Properties

Provides a good finish on the ingots. Low sulphur content, meaning that possible toxicity of machine operators is avoided, as is corrosion of the moulds. Low aromatics, thus reducing bothersome smoke. Good lubricating power for the requirements it is subject to. Minimum losses due to volatility. Low tendency to form carbonaceous residue.

### Technical characteristics

	UNITS	METHOD	VALUE
Appearance			Glossy and transparent
Colour		ASTM D 1500	1,5
Density at 15°C	g/ml	ASTM D 4052	0,880
Viscosity at 40°C	cSt	ASTM D 445	54
Viscosity at 100°C	cSt	ASTM D 445	8,6
Viscosity rate		ASTM D 2270	135
Flammability V/A	°C	ASTM D 92	215
Aniline point	°C	ASTM D 611	95
Pour point	°C	ASTM D 97	-15
Saponification rate	mg KOH/g		14
Noack volatility, 1hr at 150°C		DIN 51581	5
Ramsbottom carbon	%	ASTM D 5424	0,07
Cu corrosion, 3hr at 100°C		ASTM D 130	1a

### Overview

Bulk and 875 kg containers.

### Hazard identification

This product is not classified as toxic or hazardous under current legislation.

### Handling

Shanghai PingYiao Trading CO., Ltd.

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Minimum precautions should be taken to avoid prolonged contact with the skin. The use of gloves, visors or glasses is recommended to avoid splashes.

### Health and safety risks.

Inhalation: As this product has low volatility, the risk of inhalation is minimal. Ingestion: Do not make an affected person vomit. Supply water. Get medical help. Contact with the skin: Wash thoroughly with soap and water. Eyes: Wash thoroughly with water. General measures: Get medical help.

### Fire-fighting measures

No special measures required. Extinction: Foams, dry chemicals, CO<sub>2</sub>, water spray. Do not apply a jet of water directly, as it could spread the product.

### Environmental precautions

Danger of physical pollution if spilt (water, coastlines, soil, etc.) due to its floatability and oily consistency that may harm flora and fauna on contact. Prevent the material from entering the water supply. Decontamination and cleaning: Treat as an accidental oil spillage. Avoid dispersion using mechanical barriers and remove with physical or chemical elements.

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