



Shanghai PingYiao Trading CO., Ltd.

IBERTEM 24

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

Description and Recommendations

Natural paraffin mineral oil with low viscosity, formulated with highly refined based oils and selected additives that increase the hardening speed and provide the properties required to overcome the difficult conditions needed in cold, high-speed steel hardening (bath temperature is between 40 and 80°C). This kind of oil is formulated to achieve non-alloy steel parts with maximum hardness and minimum deformations and breaks.

Properties

Appropriate additives are used to achieve good resistance to oxidation and the formation of sludge and dirt, creating a long lasting product. Provides a very short steam phase during hardening operations thus speeding transfer to the boiling stage and the quick cooling of the metal. Very good thermal stability and low volatility, which reduces smoke and the risk of fire. Good foam resistance. Uniform and lasting hardening capacity. Clean, tempered parts are achieved.

Technical characteristics

	UNITS	METHOD	VALUE
Appearance			Glossy and transparent
Colour		ASTM D 1500	<4
Density at 15°C	g/ml	ASTM D 4052	0,875
Viscosity at 40°C	cSt	ASTM D 445	32
Viscosity at 100°C	cSt	ASTM D 445	5,5
Viscosity rate		ASTM D 2270	95
Flammability V/A	°C	ASTM D 92	200
Aniline point	°C	ASTM D 611	95
Neutralisation index	mg KOH/g		0,2
Noack volatility, 1hr at 150°C		DIN 51581	0,85

Overview

Bulk and 830 kg containers.

Hazard identification

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

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Handling

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, CO₂, 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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