



**Shanghai PingYiao Trading CO., Ltd.**

## ASTRA

### Description and Recommended uses

Repsol Astra fluids are made from base stocks obtained from crude paraffinic oil. During the extraction and refining process, they are specially treated with solvents to give them their excellent viscometric properties. They contain additives which increase their ability to support heavy loads and help the formation of stable emulsions.

Extreme Pressure Oils, specially intended for lubricating drills, hammers and pneumatic tools, even under severe working conditions. All pneumatic machinery requiring EP lubricants with the ability to envelope water droplets and thus prevent them from coming into contact with the metal.

### Properties

Prevents corrosion and the formation of rust at low and high temperatures, even when the machinery is stationary.

Prevents wear on moving parts thanks to its excellent EP properties, thus reducing sediments and dangerous contaminants.

Forms a stable lubricating film (adhesiveness) and resists the washing action of water.

Good adhesiveness.

### Quality level

Complies with the requirements for Oils recommended by ATLAS COPCO, INGERSOLD RAND, GARDNER DENVER, ETC.

ISO 6743/11 – PAC Y PBC

### Technical characteristics

	Unit	Method	Value	Value
ISO VG grade			46	100
Viscosity at 40°C	cSt	ASTM D 445	46	100

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Viscosity at 100°C	cSt	ASTM D 445	7	11.3
Viscosity index	cSt	ASTM D 2270	100	97
Flash point		ASTM D 92	220	230
Pour point	°C	ASTM D 97	-24	-18
Emulsion at 54°C and 30 min.	ml	ASTM D1401	80	80
4 ball machine, scar diameter 15 Kg. 40 Kg.	mm	ASTM D4172	0.31 0.42	0.25 0.36
Properties EP 4 ball machine Solding charge Attrition charge index	Kg	ASTM D2783	250 43.5	315 57.8
Rus, method A		ASTM D665	Pass	Pass

Available in

185 Kg. Drums

#### **Hazard identification**

These products are not classified as toxic or hazardous according to current legislation.

#### **Handling**

Minimum safety precautions should be taken when using these products to avoid prolonged contact with the skin and in accordance with good industrial hygiene practices. 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

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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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