



ASTRA

INDUSTRY

Description

Repsol Astra fluids are made with mineral oils obtained from crude paraffin oil. During the refining process, they are specially treated with solvents to give them their excellent resistance to oxidation. They contain additives which increase their ability to support heavy loads and help the formation of stable emulsions.

They are extreme pressure oils, specially intended for lubricating drills, hammers and pneumatic tools, even under severe working conditions. Also suitable for all pneumatic machinery requiring a fluid with the ability to envelope water droplets and thus prevent them from coming into contact with metal surfaces.

Properties

- Good anticorrosion and antirust characteristics, both at high and at low temperatures.
- It forms a stable emulsion with water.
- Excellent EP properties which prevent wear on moving parts, thus reducing the formation of deposits and contaminants.
- Good adhesiveness.

Quality level

- ISO 6743 / 11 – PAC and PBC.
- Meets the requirements of the major manufacturers: Atlas Copco, Ingersol Rand, Gardner Denver, etc.

Technical characteristics

	UNIT	METHOD	VALUE	VALUE
ISO VG Grade			46	100
Viscosity at 40°C	cSt	ASTM D 445	46	100
Viscosity at 100°C	cSt	ASTM D 445	7	11.3
Viscosity index		ASTM D 2270	100	97
Flammability V/A	°C	ASTM D 92	220	230
Density	g/cm ³	ASTM D 4052	0,877	0.887
Pour point	°C	ASTM D 97	-24	-18
Emulsion at 54°C and 30 min	ml	ASTM 1401	80	80
4 ball machine, scar diameter	mm	ASTM D 4172		
at 15 kg			0.31	0.25
at 40 kg			0.42	0.36
EP properties, 4 ball machine		ASTM D 2783		
Soldering load	Kg.		250	315
Load/wear index	--		43.5	57.8
Resistance to rust, method A		ASTM D 665	Pass	Pass

Available in

185 kg drums.

■ Hazard identification

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

■ 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 Hazards

Inhalation: Given that it is not a particularly volatile product, the risk of inhalation is minimal.

Ingestion: Do not induce vomiting. Provide water. Seek medical advice.

Contact with the skin: Wash with plenty of water and soap.

Eyes: Wash thoroughly with water.

General measures: Seek medical advice.

■ Fire-fighting measures

No special measures required.

Fire-extinguishing measures: Foams, dry chemicals, CO₂, water spray. Do not apply the jet of water directly as this could cause the product to disperse.

■ 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. Avoid material getting into water outlets.

Decontamination and cleaning: Treat like an accidental oil spill. Prevent dispersion using mechanical barriers and remove by physical or chemical means.

A safety information file is available on request.

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Unless otherwise indicated, the figures cited in technical characteristics should be considered typical.