

REWOCOROS® AL 200

Product description

REWOCOROS® AL 200 is a lauryl polyglycol ether based phosphoric acid ester.

Physical properties

Appearance 20 °C	yellow, clear to slightly turbid, liquid
Acid value	140 – 160 mg KOH/g
Water content	< = 1.5 %
Colour to Gardner	< = 1
pH value 10 % solids	1.0 – 3.0
Solubility	dispersible in water, the corresponding alkali and ammonium salts are soluble in water, mineral oils and organic solvents

Application

REWOCOROS® AL 200 is used as a corrosion inhibitor for aluminium and steel. Furthermore, it can be used as an efficient extreme pressure (EP) and anti-wear (AW) additive for water based metalworking fluids. Co-emulsifying properties have often been observed.

It improves lubricity in neat rolling and drawing oils.

Properties / Benefits

REWOCOROS® AL 200 provides excellent corrosion inhibition on aluminium and in combination with amines also on steel even in low alkaline systems (pH 8).

- REWOCOROS® AL 200 provides excellent EP/AW properties in water based metalworking fluids.
- REWOCOROS® AL 200 is 73 % readily bio-degradable (OECD 301 E).

Dosage / Handling

Depending on the overall composition of the ready to use metalworking fluid emulsion the dosage of REWOCOROS® AL 200 is recommended to be in the range of 0,2 – 0,8 %. The product shows excellent solubility in most of base oils and metalworking fluid concentrates. To improve corrosion protection properties of a metalworking fluid concentrate the addition of common amines (e.g. TEA, DGA) is recommended.

Registration status

The ingredients of REWOCOROS® AL 200 are listed in the following chemical inventories:

EINECS, TSCA, DSL, AICS, ECL, PICCS, ENCS and CHINA

Storage stability

REWOCOROS® AL 200 can be stored for at least 1 year at temperatures between 15 and 40 °C in original closed containers.

At storage below 15 °C the REWOCOROS® AL 200 may change from liquid to solid or semisolid as a result of the product's setting point (~15 °C).

By warming up the product becomes clear and liquid and has to be completely homogenized by gentle stirring without affecting the quality.

Prolonged storage of REWOCOROS® AL 200 may lead to some precipitation and an increase in acid value.

Packaging

200 kg plastic drums
(pallet size: 4 x 200 kg = 800 kg)
1 000 kg plastic container

Hazardous goods classification

Information concerning

- classification and labelling according to regulations for transport and for dangerous substances
- protective measures for storage and handling
- measures in case of accidents and fire
- toxicity and ecological effects

is given in our material safety data sheets.

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Trademark notice and legal notice

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