

# INDAKOR 2-0 NA

## TECHNICAL DATA SHEET

### TL

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#### Chemical characteristics of the product

**INDAKOR 2-0 NA** is an adsorption-type corrosion inhibitor for ferrous and non-ferrous metals with the addition of special additives.

#### Use

**INDAKOR 2-0** is a corrosion inhibitor soluble in mineral oils and well dispersible into water-based paints. Recommended dissolution temperature 40 to 50 °C.

#### Product features

Light brown viscous liquid of non-ionic character. At temperatures below 10 °C, it turns into a liquid of honey consistency. At the recommended dissolution temperature, it is infinitely miscible with mineral oils, motor fuels and most organic solvents.

Quality sign	Value
Acid number in mg KOH/g	105 - 130
Iodine number	Min. 77
Nitrogen content in %	Min. 2
Water content in %	Max. 0,7

#### Product processing

**INDAKOR 2-0 NA** protects ferrous and non-ferrous metals against corrosion under conditions of 100% relative humidity and partly also in an environment of acids and salts (e.g. chlorides), against battery sulfuric acid.

**INDAKOR 2-0 NA** can be used to prepare anti-corrosion agents based on oils, petroleum jelly, greases, waxes, volatile solvents, etc., or to improve the anti-corrosion properties of petroleum products, the main function of which is lubricating or other special ability.

**INDAKOR 2-0 NA** does not substantially affect the lubricating properties of petroleum products. The use of petroleum products additive to 1 to 10 % of **INDAKOR 2-0 NA** is limited to a temperature of 100 to 120 °C.

**INDAKOR 2-0 NA** may not get along with some special ingredients of petroleum products, such as some antioxidants or detergents.

The use of **INDAKOR 2-0 NA** is particularly advantageous if a production operation can be combined with conservation. For example, drawing, straightening or polishing of section steel is usually carried out in oil baths, the addition of **INDAKOR 2-0 NA** to these oils eliminates the need to preserve the steel as a separate operation.

Mineral oils or fats with the additive **INDAKOR 2-0 NA** (1 to 2%) meet the standard for preservatives (ČSN 03 8205). Devices with 5 to 9% **INDAKOR 2-0 NA** meet the US military standard MIL-L-3150.

**INDAKOR 2-0 NA** should not be exposed to temperatures above 100 °C for a long time, as its corrosion protection properties could be reduced. At a temperature of about 140 °C, the protective efficacy is reduced by 10 to 20%, and temperatures above 150 °C may lead to partial decomposition of the inhibitor.

**INDAKOR 2-0 NA** is also a suitable anti-corrosion agent for basic solvent paints. Recommended dosage up to 2%.

#### **Packaging, storage**

**INDAKOR 2-0 NA** is filled into polyethylene UN watering cans with a volume of 50 litres, or into other, pre-agreed packaging. It is stored in sealed containers in places protected from direct weather conditions. The recommended storage temperature is +5 to +25 °C. Storage at a temperature below 0 °C does not have a negative effect on the application properties of the product.

#### **Transport**

**INDAKOR 2-0 NA** is transported by covered vehicles in accordance with ADR/RID regulations.

#### **Warranty period**

If the product is transported and stored according to the above conditions, its warranty period is 12 months from the date of removal.

#### **Note**

Data on the properties of the product and its processing were obtained by laboratory measurements and application tests. However, this data sheet can only provide legally non-binding advice, the product processing must be adapted to the specific conditions.