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INDAKOR 2-0

TECHNICAL DATA SHEET

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Product characteristics

INDAKOR 2-0 is an adsorption-type corrosion inhibitor for ferrous and non-ferrous metals.

Applications

INDAKOR 2-0 is a corrosion inhibitor that is soluble in mineral oils and well-dispersible to water-dilutable coating compositions. Recommended dissolution temperature is between 60 to 70 °C.

Product Features

Dark brown coloured viscous liquid of non-ionogenic character. At temperatures below 10 °C, the product solidifies to a semi-solid or solid paste. At higher temperatures, the product is freely miscible with mineral oils, motor fuels and most organic solvents.

INDAKOR 2-0 must comply with the following quality characteristics:

Quality characteristic	Value	Methodology of assessment
Acid value (mg KOH/g)	105 to 120	PN-ZM 161/2001
Iodine value	minimally 77	ČSN 58 8762
Nitrogen content (%)	minimally 2	PN-ZM 161/2001
Water content	maximally 0.7	ČSN ISO 760

Directions for Use

INDAKOR 2-0 protects ferrous and non-ferrous metals against corrosion in conditions of 100 % relative humidity and partially even in environment of acids and salts (e.g. chlorides) and against sulphuric acid from accumulators.

INDAKOR 2-0 can be used for preparation of anti-corrosive agents based on oils, Vaselins, fats, waxes, solvents etc. or to improve anti-corrosive properties of petroleum products whose main function is lubricant or other special ability.

INDAKOR 2-0 does not substantially affect lubricant properties of petroleum products. Use of petroleum products with addition of 1 to 10 % of **INDAKOR 2-0** is limited by temperature from 100 to 120 °C. **INDAKOR 2-0** might not mix well with some special ingredients of petroleum products such as some antioxidants or detergents.

Use of **INDAKOR 2-0** is especially convenient when some manufacturing operation can be linked to preservation. For example, sectional steel drawing, straightening or polishing is usually performed in oil baths. By addition of **INDAKOR 2-0** to these oils, preservation of the steel in a standalone operation is no longer necessary.

Mineral oils or fats with addition of **INDAKOR 2-0** (1 to 2 %) comply with standards for preservative agents (ČSN 03 8205).

INDAKOR 2-0 should not be exposed to temperatures above 100 °C for longer periods of time as it could lead to decrease in its corrosion protection abilities. At temperature around 140 °C, preservation

effect is lowered by 10 to 20 %. Due to temperatures above 150 °C, partial decomposition of the inhibitor might occur.

INDAKOR 2-0 is a suitable anti-corrosion agent for basic solvent dyes. Recommended dosage is up to 2 %.

Packaging & Storage

INDAKOR 2-0 is delivered in 200 l metallic barrels. Alternatively, it can be delivered in different containers that were discussed and agreed on in advance. Store it in a sealed container in places protected from direct climatic influences. Recommended storage temperature is between +5 to +25 °C.

Storing at temperatures below 0 °C does not affect product's application properties.

Transport

INDAKOR 2-0 is transported by covered vehicles. It is not subject to ADR/RID Regulations.

Warranty

Provided the product is transported and stored in accordance with the above written conditions, its warranty is 6 months from the production date.

Note

Data about the product characteristics and its processing were obtained by laboratory measurements and application tests. This technical data sheet can provide solely legal advice without any engagements. Use of the product should be always adjusted to specific conditions.