

IDAZOX HB 30

TECHNICAL DATA SHEET

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Chemical characteristics of the product

IDAZOX HB-30 is a mixture of mineral oil, anti-corrosion agent and emulsifiers with bactericide additives.

Use:

IDAZOX HB-30 is used as a cooling lubricant in machining and grinding of metals. It is built on a mineral basis, designed for machining most metals (including non-ferrous metals and their alloys) on conventional machining equipment, NC, but also on CNC machines and centers, for medium and heavy machining operations. Also suitable for drilling, cutting and grinding, it has very good lubricating properties, ensuring a long tool life.

Product features

IDAZOX HB-30 creates perfect and very stable emulsions with water, it is partially bioresistant, i.e. with increased resistance to microbial decomposition and protection against atmospheric corrosion of workpieces. The emulsion has excellent anti-corrosion properties and very good wettability.

IDAZOX HB-30 must meet the following quality characteristics:

Quality sign	Value
Density 20 °C in kg.m ⁻³	890 - 950
pH 4% emulsion	8,7 - 9,7

Product processing

IDAZOX HB-30 emulsion is defined as a cutting fluid in metal machining and grinding, with increased lubricating power and the effect of a significant coolant. It does not negatively affect the machining properties of the tools or the machined surfaces.

Packaging, storage

IDAZOX HB-30 is usually used in metal drums with a capacity of 200 litres, or in other pre-agreed packaging. As additional packaging, it is possible to use a 25 liter PE watering can, a 50 liter PE watering can, a 60 liter metal barrel, a combined IBC 1000 liters. It is stored in sealed containers. Protect from the elements. Do not store in direct sunlight or near heat sources. Recommended storage temperature +5 to +25 °C.

Transport

IDAZOX HB-30 is transported by covered means of transport. It is not subject to 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.