



KIREI
CHEMICAL

TECHNICAL DATA SHEET



KATANAKURANTO 200QS

Semisynthetic metalworking fluid



DESCRIPTION

KATANA Kuranto 200QS—concentrated biostable semi-synthetic metalworking fluid. It is developed on high-tech additive package and includes emulsifiers, EP (Extreme Pressure) and anticorrosion additives. Also includes components for biostable properties. Due to the pH stability ensures high bacteriological stability. It does not have any effect on operators working with this coolant. KATANA Kuranto 200QS protects equipment from corrosion. It does not contain chlorinated paraffins in the composition!

KATANA Kuranto 200QS is used in modern CNC machining centers as an universal coolant for grinding operations, turning, milling, drilling, sawing, etc. It is also recommended as an universal fluid for the machining of ferrous metals, cast iron, aluminum and non-ferrous metals (copper). Suitable for medium and moderately hard water (100-400 ppm). Always add concentrate to water, not another way! Recommended concentration is 3-8% depending on the type of operations and the processed materials.



TECHNICAL ADVANTAGES

150%

Longer emulsion lifetime

25%

Higher productivity

65%

Less tool wear

Due to biostable composition of the emulsion KATANA Kuranto 200QS has an extremely high resistance to the action of microorganisms, does not decompose, does not form unpleasant smell even after long idle time. Under normal operating conditions does not require replacement, just add new portions of emulsion.

Due to the translucent emulsion operator can control and monitor the metalworking process. This increases productivity.

KATANA Kuranto 200QS metalworking fluid forms a stable microemulsion with a very high lubricity-cooling balance. Thanks to carefully selected composition and EP (Extreme Pressure) additives it increases tool life, and thus increase economic efficiency of the coolant application.



SPECIFICATIONS

KATANA Kuranto 200QS fully satisfies and is recommended to replace following types of water soluble metalworking fluids: DIN 51385 part 2.1 (SEM), ISO 6743/7 L-MAB.

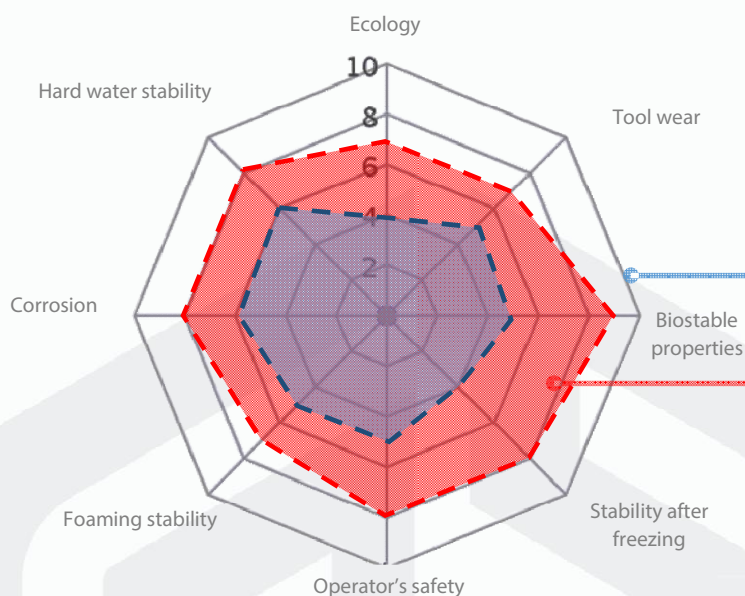


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TECHNICAL PARAMETERS

Parameter	Typical semisynthetic emulsion	KATANA Kuranto200QS
Emulsion appearance	White colored macro emulsion	Translucent microemulsion
Mineral oil content, %	20	30
Chlorine content, %	0.5	0
Density at 20°C, g/ml	1.0-1.1	1.03
pH (5% emulsion)	8.5	9.8
Corrosion on ferrous metals	Small corrosion	Satisfy
Water hardness, ppm	100-300	100-400
Foaming tendency, ml	500	150
Stability after freezing	Not satisfy	Satisfy
Refractometer index	1-2.5	1.3



Physical and chemical characteristics are typical for this product. These parameters are subject to change without notification, however, full compliance with the product specifications is guaranteed.

Shelf life: 12 months from date of manufacture. Store unopened in dry, warm (+15...+30°C) and well-ventilated area. Keep from freezing. Keep away from children. Protect the environment. Avoid direct sunlight, heating and strong oxidizing agents. Refer to special instructions/safety data sheets. Mix properly before using.

Developed in Osaka, Japan. The quality management system in the production of oils KATANA corresponds to the requirements of ISO 9001. The system of environmental safety in the production of oils KATANA corresponds to the requirements of ISO 14001.