KIREI CHEMICAL

TECHNICAL DATA SHEET



KATANAKURANTO 100QS

Syntheticmetalworkingfluid

DESCRIPTION

KATANA Kuranto 100QS– synthetic watersolublemetalworking fluid which formsclear and stable solutionduring mixing with water. It does not contain mineral oil in the composition, as well as phenols and chlorine. It is developedon high-tech additive package basis and includes emulsifiers, bactericides and anti-corrosion additives. It can be easily mixed with any hardness water, and has excellent bacteria stability.

KATANA Kuranto 100QSis used for light duty machining operations (grinding, turning, sawing, etc.), of steel and cast iron. Suitable for both internal operations and external grinding. Suitable for hard and soft water (0-500 ppm). Always add concentrate to water, not another way!

TECHNICAL ADVANTAGES

30%	25%	65%
Less grinding wheel fatting	Higherproductivity	Higher ecology safety
KATANA Kuranto 100QS does not contain fat and mineral oils in the composition.That is why it doesn't form fat deposits on a wheel and not blunts it. This improves the quality of metal machining.	Due to the transparency of the emulsion operator can control and monitor the metalworking process. This increases productivity.	KATANA Kuranto 100QS does not contain chlorine and phosphorus in the composition. This increase safety of use, environmental safety and reducing the risk of serious diseases of operators

SPECIFICATIONS

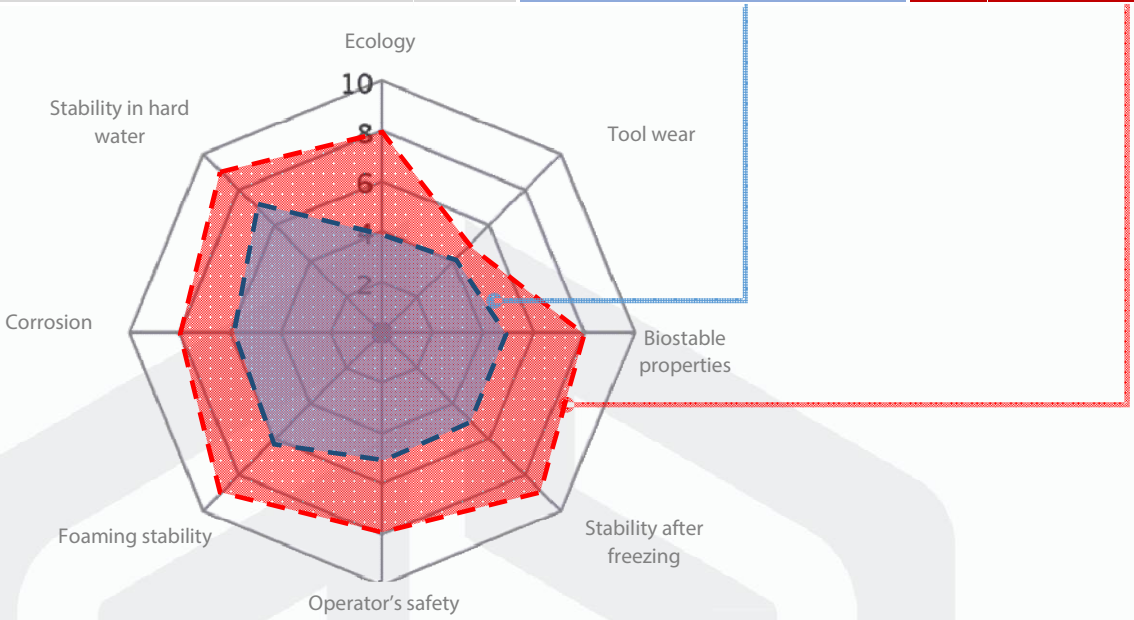
KATANA Kuranto 100QSfully satisfies and is recommended to replace following types of water soluble metalworking fluids:DIN 51385 part 2.2 (SES), ISO 6743/7 L-MAE.

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TECHNICAL PARAMETERS

Parameter		Typical synthetic emulsion	KATANA Kuranto 100QS
Emulsion appearance		Transparent liquid of different colors	Low-viscosity transparent liquid from light brown to orange color
Type of emulsion		Micro emulsion	True solution
Mineral oil content, %		10	0
Chlorine content, %		0.5	0
Density at 20^{0}C, g/ml		1.0-1.1	1.04
pH (5% emulsion)		8.5	9.2
Corrosionofferrousmetals		Small corrosion	Satisfy
Water hardness, ppm		100-300	0-500
Foaming tendensy, мл		50	0
Stability after freezing		Not satisfy	Satisfy
Refractometer index		1-2.5	Under request



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 (+10…+30^{0}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.

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