



KIREI
CHEMICAL

TECHNICAL DATA SHEET



KATANAKURANTO 400QS

Mineral metalworking fluid



DESCRIPTION

KATANA Kuranto400QS—concentrated Premium biostablewatermisciblemetalworking fluid for heavy duty application. It forms a micro-emulsion with high anti-corrosion properties, protects slideways and metal-cutting machines from corrosion, has low foaming. It has high lubricity properties, which also provides excellent cooling properties in cutting tool edge. It is produced on naphthenic base oils and high-tech additive package with emulsifiers, EP (Extreme Pressure), antifoam ,anti-corrosion additives andbiostable components.

KATANA Kuranto400QSissuitable for the most difficult machining operations: turning, cutting, drilling, milling, gear cutting, threading, tapping, broaching and others. It is used for different materials: steel, cast iron, non-ferrous metals (copper), aluminum

and its alloys. It is used with low, medium and high water hardness (0-500 ppm). Always add concentrate to water, not another way!Recommended concentration is 4-10% depending on the type of operations and the processed materials.



TECHNICALADVANTAGES

30%

Higher corrosion
defense

Due to the high mineral oil content in KATANA Kuranto 400QSemulsion it has a very high anticorrosion protection.

25%

Higher ecological level

KATANA Kuranto 400QS does not contain chlorinated paraffins. It increases the safety of use, environmental safety and reduce the risk of serious diseases of operators

85%

Less tool wear

Due to the high concentration of naphthenic oil and EP (Extreme Pressure) additives KATANA Kuranto 400QS has very high lubricity properties, which ensures a high anti wear resistance of tool.



SPECIFICATIONS

KATANA Kuranto400QSfully satisfies and is recommended to replace following types of water soluble metalworking fluids:DIN 51385 part 2.1 (SEM), ISO 6743/7 L-MAD.



KIREI CHEMICAL Co. Ltd
650-0002 Hyogo Pref., Kobe-Shi, Chuo-ko, Kitano 3-7
+819030361973
info@kirei-chemical.com

ISO 9001 Quality System Management
ISO 14001 Environmental Management System

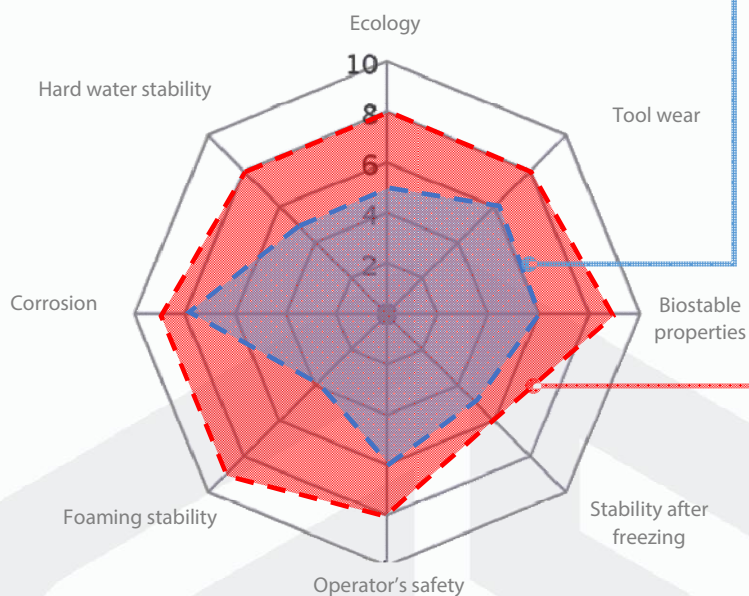
www.kirei-chemical.com



KIREI
CHEMICAL

TECHNICAL PARAMETERS

Parameter	Typical mineral emulsion	KATANA Kuranto400QS
Emulsion appearance	White colored macro emulsion	The whitish microemulsion
Mineral oil content, %	60	50
Chlorine content, %	0.5	0
Density at 20°C, g/ml	0.9-1.1	0.95
pH (5% emulsion)	8.5	9.5
Corrosion on ferrous metals	Small corrosion	Satisfy
Water hardness, ppm	100-250	0-450
Foaming tendency, ml	250	30
Stability after freezing	Not satisfy	Satisfy
Emulsion appearance	1	1



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°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.