

HNTI Limited

Harkool SS

Product Datasheet

Description

Harkool SS is a high performing semi-synthetic water-soluble cutting & grinding fluid. It is developed with superior additive technology which offers excellent machinability and surface finish while assuring environmental and operator safety. It provides increase blade, tool, or wheel life and long-term sump life.

Typical Characteristics

Properties	Results	Method
Appearance	Clear Yellow Liquid	Visual
Density @ 29.5°C, g/ml	1.010	ASTM D 1298
pH of 5% in DI Water	9.26	ASTM E70
Mineral oil content	25 to 35	Calculated
5% Emulsion in DI Water	Translucent	Visual

Features & Benefits

Does Not Contain Chlorine, Sulphur, or Phosphorous

Provides Long Sump Life

Excellent Tramp Oil Rejection

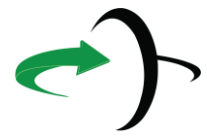
Good Corrosion Protection even at high hardness water level.

The product is designed using low foaming emulsifiers & surfactants, hence free from foaming issue

No emulsion breakup due to water hardness

Resists microbial growth, hence sump life is high

Disclaimer: We cannot anticipate or control the many conditions under which the information and the product may be used. Hence, we make no warranty, express or implied, as to the effects of use (including but not limited to damage or injury) or the results to be obtained, whether or not used in accordance with the directions. The information furnished is believed to be accurate to the best of our knowledge. Harita-NTI is not liable for any loss, damage, incidental or consequential. Buyer assumes all responsibility in use, storage and handling of this product.



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Application

Application	Steel	Stainless steel	Cast Iron
Drilling	✓	✓	✓
Milling	✓	✓	✓
Reaming	✓	✓	✓
Boring	✓	✓	✓
Turning	✓	✓	✓
Tapping	✓	✓	✓
Sawing	✓	✓	✓
Grinding	✓	✓	✓

Operating Conditions

Temperature	Ambient
Concentration	3 to 20%*
pH @ 29.5°C	9.2 to 9.8
Water TDS	0- 800 ppm

*Vary for different applications

Solubility

When mixed with water, it forms a translucent emulsion that provides excellent cooling, lubricity, and corrosion protection.

Storage

Store in (34 to 122°F / 1 to 50°C), dry place and away from sunlight in original packaging for up to 1 years from the date of shipment

Safety & Warning: Review Material Safety Data Sheet for appropriate health and safety warnings before use.

Spillage : Flush with water. Clean and dispose of in accordance with federal, state, or local regulations.

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