



HNTI Limited

# Harkool M50S

## Product Datasheet

### Description

HARKOOL – M50S is high-performing coolant designed for multiple operations of general machining of cast iron, steel, and aluminum alloys. It reduces coolant consumption by less drag out, provides pro long system life, and meet your machining needs when working with a wide range of materials.

### Typical Characteristics

Properties	Results	Method
Appearance	Dark Amber Liquid	Visual
Density @ 29.5°C, g/mL	0.893, typical	ASTM D 1298
pH of 5% in DI Water	9.2	ASTM E70
Viscosity at 40°C, cSt	50 to 60	ASTM D 445
Flashpoint COC, °C	150	ASTM D 56

### Benefits

- This product is free from heavy metals, boron, secondary amine, and nitrosamine
- Low foam in recommended water conditions
- Resists fungal and bacterial attack to extend fluid life and reduce maintenance and machine downtime
- Lubrication package specifically designed to enhance tool life and improve surface finish in components.
- Multimetal compatible product.

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## Operating Conditions

Temperature	Ambient
Concentration	5 to 15%*
pH @ 29.5°C	8.5 to 9.5
Water TDS	0- 500 ppm

## Application:

Harkool M50S is suitable for all kind of general machining operations like turning, drilling, and milling. It is also Compatible with both ferrous and Non-Ferrous Metals, especially suitable for all kinds of Aluminium and its alloys.

## Solubility

When mixed with water, they form a milky emulsion that is an excellent choice for general purpose machining.

## Storage

Store in (34 to 122°F / 1 to 50°C), dry place and away from sunlight in original packaging for up to 6 months from the date of manufacture.

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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