

Hard Cut[®] 5258

Straight Cutting Oil

GENERAL DESCRIPTION

The Hard Cut series is recognized as the ultimate in high quality cutting oils. Hard Cut oils have earned the recommendation of the leaders in the machine building and tooling industries. Hangsterfer's Hard Cut 5258 is a heavy-duty compound used for severe metalcutting and metalforming operations. Offering superior lubrication for the machine tool as well as the cutting operation, Hard Cut oils provide benefits in productivity and equipment life. The non-hazardous formulation is designed for easy waste disposal and operator safety.

APPLICATION

Hard Cut 5258 is a heavy duty, high viscosity compound additionally fortified with a synthetic additive package. It is designed for manual applications such as tapping, drilling, broaching, stamping and forming. The 5258 can also be used as an additive to existing cutting oils for improved performance during severe operations. Its non-staining formula makes it suitable for a broad range of materials especially stainless steels, hardened steels, high nickel alloys and titanium.

MAINTENANCE

While straight cutting oils are not susceptible to the broad range of problems encountered with a water based fluid, regular maintenance does improve their performance and extend their life. The Hard Cut oils are designed to reject foreign contaminants, such as metal fines. If the performance of the oil begins to deteriorate, remove the oil from the machine and allow settling in a drum or settling tank for 3-7 days. Fines and contaminants will settle to the bottom. After settling return the top 80% to the clean machine. In order to get the maximum life from your oil, keep the sump free of cleaners, solvents, rust inhibitors, coolants and other contaminants, which may inhibit performance.

CLEANING

All Hard Cut oils are formulated to minimize cleaning time. They are cleanable in both aqueous and solvent systems. For best results use a Hangsterfer's Ozonic series cleaner or recommended aqueous cleaner. Both style cleaners work best at removing Hard Cuts when heated to 140°F (60°C).

PRODUCT CHARACTERISTICS Hard Cut 5258	
Form	Liquid
Color	Red
Odor	Mild
Specific Gravity	1.05
Viscosity: SUS @ 100°F	1,030
cSt @ 40°C	223
Flash Point, COC, °F/°C	400 / 204
Fire Point, COC, °F/°C	415 / 212
Pour Point, °F/°C	<0 / -18
Solubility in Water	<0.01%
Boiling Point, °F/°C	>440 / 224
Vapor Pressure, mm Hg @ 25°	<0.01
pH @ 10%	Not Applicable
Sulfur, Active	0.0%
*Chlorine	20%
Phosphorus	0.0%
Solvent Content	0.0%
Solids Content	0.0%
Silicone	0.0%

*Hangsterfer's uses only non-hazardous, chemically bound, long chain chlorinated paraffin.

TOXICOLOGY Product Information

All Hangsterfer's Products are FREE of

- ZINC
- PCB'S
- VOC'S
- BORON
- NITRITE
- NITRATE
- DIETHANOLAMINE (DEA)
- OZONE DEPLETING CHEMICALS

SHIPPING UNITS

All Hangsterfer's products are available in 5 gallon, 55 gallon and Intermediate Bulk Containers (260 or 330 gallons). All products are distributed worldwide.

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The general description, recommended uses, application data and statements in the product literature are guidelines. Because this product may be used for a variety of applications over which Hangsterfer's Laboratories, Inc. has no control, Hangsterfer's Laboratories, Inc. assumes no liability for incidental, consequential, or direct damages of any kind, regardless of causes, including negligence.

