



**Mobilmet S-122**  
Industrial Mobil, United States

View Mobilmet S 122 (<https://www.mobil.com/industrial/Lubricants/Products/Mobilmet-S-122>)  
Water-Soluble Cutting Oil

Product Description

Mobilmet S-122 is a water-soluble, general-purpose cutting oil designed for moderate-duty cutting and metalworking operations. Mobilmet S-122 fluid is formulated with select base oils and fortified with soaps, sulfonates and coupling agents. It also contains stabilizers to control odor and provide long service life.

Features and Benefits

Mobilmet S-122 offers improved cooling with less smoke and reduced staining of ferrous and non-ferrous metals. It helps to create better finish and closer tolerances, with fewer rejects. With proper use, tool life is increased between required regrinds resulting in lower maintenance costs and improved equipment uptime.

Applications

Mobilmet S-122 is recommended for a wide range of machining operations on both ferrous and non-ferrous metals.

- Cutting and grinding operations requiring water-soluble fluids
- Applications where enhanced cooling is desired
- Machining and grinding operations on both ferrous and non-ferrous metals
- Mobilmet S-122 is used where normal water hardness is 300 ppm

Typical Properties

Mobilmet	S-122
Kinematic Viscosity, ASTM D 445	
cSt @ 40°C	49
Density @ 15°C, ASTM D 1298	7.45
Pour Point, °C, °F	-20 (-4)
Flash Point, °C, °F	177 (350)
Emulsion Test, MM 1387	Pass
Freeze Test, MM 1388	Pass

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your Customer Service Center. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment.

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**Exxon Mobil Corporation**


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