

SPIRIT 6000



METALWORKING



TOTAL

Heavy Duty, Semi-Synthetic, Micro-Emulsion for Ferrous & Non-Ferrous Metals.

APPLICATIONS

- **SPIRIT 6000** is a premium, high performance, semi-synthetic metalworking fluid for heavy duty machining and grinding of most metals including automotive and aerospace alloys.
- **SPIRIT 6000** is formulated with a unique additive package which enhances the machine ability of the product while also offering exceptional biological control.
- **SPIRIT 6000** is used on all cutting operations on all ferrous and non-ferrous metals. It will not stain aluminum or copper. Spirit 6000 is not recommended for use on magnesium.

ADVANTAGES

- Excellent corrosion protection.
- Excellent sump life.
- Excellent lubricity properties--Increases the tool life on a large scale of cutting parameters maintaining an additive layer on the chip / workpiece / tool surface.
- Non-foaming, non-toxic, non-irritating and non-staining.
- Contains no sulfur or chlorine.
- Permits operator surveillance of the workpiece at all times.
- Splits out tramp oil quickly.
- Bio-stable.
- Safe and mild.
- Excellent for recycling.

TYPICAL CHARACTERISTICS	SPIRIT 6000
Appearance	Amber Liquid
Density @ 60 °F, lbs./gal.	8.27
Specific Gravity @ 60/60 °F	0.99
Flash Point, COC, °F	None
pH @ 5%	9.4

Concentration %	4	5	6	7	8	9	10
Ratio	1:25	1:20	1:17	1:14	1:12	1:11	1:10
Refractometer	3.3	4.1	4.9	5.7	6.6	7.4	8.2

TOTAL Specialties USA, Inc.

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This lubricant must be applied as recommended and used for the application for which it was designed. TOTAL Specialties USA, Inc. will have no responsibility for any injury to persons or property resulting from misuse or misapplication of the lubricant. A safety data sheet conforming to the OSHA Hazard Communication Standard 29 CFR Section 1910.1200 can be downloaded at www.totalspecialties.com. Copyright 2016 All rights reserved.