

Airesun Cutting Oil

Biodegradable Speciality Cutting Oil

Description:

Our cutting oil is a nontoxic, 100% natural, biodegradable, petroleum-free nano- oil derived from enhanced seed oil acids. Formulated from seed oils to provide users with a product with no sacrifice in performance compared to other cutting oil in the marketplace.

This product is listed by the [NSF](#) as acceptable for use as a release agent (3H).

Instructions for use:

Utilize as any other cutting oil, no special application methods required

Applications:

Designed specifically for precision cutting, our cutting oil enables high quality metal reshaping by wicking any temperature spikes away from the shaping tool at the chip/tool interface, preventing chipping, warping, and shearing tendencies. It combines high lubricity and strong surface adhesion with a high heat tolerance for higher efficiencies.

Machining operations such as cutting, drilling, threading, turning, milling, etc.

Metal use ranges from mild steel to stainless steel.

High-speed machines, CNC and other production type machining operations.

Airesun Cutting oil has the following characteristics:

- No damaging off-gas, free of Sulphur and aromatics and is non-toxic, requiring no special application or handling practices.
- Contains no petroleum or CFC's, Ozone friendly.
- Non-irritant
- 100% Biodegradability & non-toxic.
- Flash point is over 160°C, not restricted for transport or storage.
- Is non-gumming / non-foaming.
- Stable coefficient of friction over a wide range of temperatures.
- Superior wetting properties.
- Significantly reduces tool chatter and provide smoother cutting action.
- Higher production rates and longer tool life.

Physical properties:

Color	Light yellow
Temperature range	-10 - 120 °C
Viscosity	32 ISO VG
Density at 25°C	0.87

This information is based on our present state of knowledge and is intended to provide general notes on our products and their uses. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application. Any existing industrial property right must be observed. The quality of our products is guaranteed under our General Conditions of Sale.