

# NuKut SO 3350

Technical Data Sheet

## Soluble Oil Metalworking Fluid

Premium synthetic heavy-duty micro-emulsion metalworking fluid.

### Description:

NuGeneration Technologies' NuKut SO 3350 is a high performance micro-emulsion metalworking fluid for machining and grinding of ferrous and non-ferrous alloys including cast Aluminium, Titanium, and Nickel-Chromium alloys. NuKut SO 3350 is ideally suited for manufacturing plants desiring a single fluid to perform well on a variety of metals and operations. NuKut SO 3350's innovative formula allows for excellent sump life and low maintenance, making it an ideal choice for individual sumps and central systems applications.



### Characteristics:

NuKut SO 3350's micro-emulsion properties exhibit constant emulsion particle size, superb wetting properties, low foam and bioresistance, all of which aid in providing a long fluid life and minimal drag out, thereby extending fluid life in individual sump and central systems applications. NuKut SO 3350's extreme pressure additive package extends tool life, improves finish, and provides excellent machining performance on Aluminium alloys in difficult operations such as roll form tapping, Mapal reaming, gun drilling, and deep hole boring. NuKut SO 3305's low maintenance formula minimizes hassles such as frequent additions.

### Directions for Use:

NuKut SO 3350 is usually applied at concentrations 4 - 5% by volume with water in grinding operations and 5-12% by volume with water in machining operations. The dosing parameters can vary due to the specific operation. Consult with your account representative for questions regarding compatibility and dosage.

## Product Benefits

- Safe on ferrous, cast Aluminium, Titanium and Nickel-Chromium alloys
- Ideal for manufacturing plants needing a single fluid due to versatile properties and low maintenance
- Extends tool and sump life. Improves surface finishes.



## Physical Properties

Use concentration (grinding)	4-5% by volume
Use concentration (machining)	5-12% by volume
Bulk Density	8.40 lbs/gal
pH, Concentrate	9.0-10.0
Flash Point	> 94 °C
Corrosion protection	Yes
Soluble in water	Dispersible
Biodegradable	Yes
Nitrites	No
Phenols	No
Corrosive	No

**Availability:** 5-gallon and 55-gallon containers, 275-gallon totes and bulk tankers.

**Shipment:** Non-regulated material, liquid

**Storage:** Keep out of direct sunlight. Keep from freezing. Store between 40 ° F - 100 °F.

**Disposal:** Dispose of in accordance with local, state, and federal regulations. For assistance with disposal contact NuGeneration Technologies at 888-99-NuGen or email: [info@nugentec.com](mailto:info@nugentec.com).

**Regulatory:** This product is classified and labeled according to the Globally Harmonized System (GHS).

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## EMERGENCY OVERVIEW:

This product may cause skin irritation and eye irritation.

## SAFETY:

Please make sure you have read and understand the product label and SDS before using this product. Avoid breathing vapors, spray or mists. Use only with adequate ventilation. Wash thoroughly after handling. Observe label precautions.