# TRIM® OE322 NS

## *Ester Based Straight Cutting Oil*

TRIM OE322 NS is a heavy-duty straight cutting oil formulated using renewable vegetable esters. For use in very tough machining operations of hardened steel alloys, tool steels, and stainless steels. TRIM OE322 NS is especially effective in modern, high-performance lathes with high-pressure chip-breaker units.

## *Straight Oils*



***Straight to the point-of-cut:***

*TRIM straight oils, used "straight up" without dilution of water, provide maximum lubricity. TRIM neat oils have super lubrication and extreme pressure ability, which effectively protects the tool, prolongs its service life, and can obtain extremely high workpiece precision and surface finish.*

*Depending on the specific product, some TRIM straight oils are a high-end blend of various base oils; while others contain extreme-pressure additives to control built-up edge and prolong tool life.*

*Get straight to the cut with TRIM straight oils.*

## Choose OE322 NS:

- Excellent extreme-pressure additive package for efficient metal removal
- Extremely high lubricity ensures fantastic tool life
- Extremely low misting potential even with high-pressure chip-breaker units
- Very High flash point
- Excellent oxidation stability
- Compatible with copper containing alloys
- Light color and low odor for good operator acceptance

## OE322 NS especially for:

**Applications** — broaching, deep hole drilling, drilling, gear cutting, machining, milling, reaming, tapping, and turning

**Materials** — aluminum, nickel alloys, stainless steels, steel alloys, titanium, and yellow metals

**Industries** — aerospace, automotive, general industry, and medical

**OE322 NS is free of —** chlorine and zinc

## Health and Safety

Request SDS

Master Fluid SOLUTIONS®

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## Application Guidelines

- TRIM OE322 NS is designed to be used straight.
- For additional product application information, including performance optimization, please contact your Master Fluid Solutions' Authorized Distributor at https://www.masterfluids.com/na/en-us/distributors/index.php, your District Sales Manager, or call our Tech Line at 1-800-537-3365.

## Physical Properties Typical Data

| | |
|---|---|
| Color | Straw yellow |
| Odor | Mild |
| Form | Liquid |
| Flash Point | > 455°F |
| Viscosity | 21.90 cSt @104°F (40°C) |
| V.O.C. Content (ASTM E1868-10) | 2 g/l |



1-gallon jug
SKU: OE322NS-1G
UPC-12: 641238077596



5-gallon pail
SKU: OE322NS-5G
UPC-12: 641238077572




54-gallon drum
SKU: OE322NS-54G
UPC-12: 641238076643



270-gallon tote
SKU: OE322NS-270G
UPC-12: 641238077619

## Additional Information

- Consult Master Fluid Solutions before using on any metals or applications not specifically recommended.
- This product should not be mixed with other metalworking fluids or metalworking fluid additives, except as recommended by Master Fluid Solutions, as this may reduce overall performance, result in adverse health effects, or damage the machine tool and parts. If contamination occurs, please contact Master Fluid Solutions for recommended action.
- TRIM® is a registered trademark of Master Chemical Corporation d/b/a Master Fluid Solutions.
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