# TRIM® OE209

## *Ester Based Cutting and Grinding Oil*

TRIM OE209 is a medium to heavy-duty neat cutting and grinding oil formulated using highly stable fully saturated esters. The product is certified as readily biodegradable. TRIM OE209 is designed for use in grinding and machining applications of hardened steel alloys, tool steels, stainless steels and carbide. TRIM OE209 has the lubricity and performance to maximise tool life in operations such as deep hole drilling and is particularly well suited for use in Sliding Head machines with high pressure chip breaker units.

## *High Performance Neat Oils*



Tough water white grinding oils:

Use TRIM® high purity, high performance neat oils for tough carbide and HSS tool grinding.

Utilising either highly refined hydrocracked base oils, fully saturated esters or a combination of the two ensures very low levels of mist, foam and consumption rates while delivering safe, high flash points. TRIM high performance neat oils provide excellent wheel flushing properties, good friction reduction qualities and workpiece cooling.

High purity delivers tough grinding performance.

### Choose OE209:

- Extremely high lubricity ensures fantastic tool life
- Excellent detergency keeps grinding wheels clean
- Does not leach cobalt from carbide tool alloys
- Chlorine and sulphur free
- Readily biodegradable
- Saturated ester based formulation ensures very low foam and misting
- Very High flash point
- Unsurpassed oxidation stability
- Compatible with copper containing alloys
- Light colour and low odour for good operator acceptance

### OE209 especially for:

Applications — carbide grinding, deep hole drilling, drilling, high-pressure, HSS grinding, machining, milling, reaming, tapping, turning

Metals — aluminium, carbide, high-strength steels, Inconel®, stainless steels, steel alloys, titanium and yellow metals

Industries — aerospace, automotive, general industry and medical

OE209 is free of — chlorinated EP additives, heavy metals, mineral oils and sulphurised EP additives

### Health and Safety

Request SDS

Master Fluid SOLUTIONS™

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## Application Guidelines

- TRIM OE209 is designed to be used neat.
- For additional product application information, including performance optimisation, please contact your Master Fluid Solutions' Authorised Distributor at https://www.masterfluids.com/eu/en/distributors/index.php, your District Sales Manager, or call our Tech Line at +49 211 77 92 85 - 13.

## Physical Properties Typical Data

| | |
|---|---|
| Colour | White |
| Odour | Mild |
| Form | Liquid |
| Flash Point | > 200°C |
| Viscosity | 9.00 $mm^2/s$ @40°C |

## Ordering Information

204-litre drum

1000-litre IBC



## 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.
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https://2trim.us/di/?i=eu_en_OE209

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