

# Tandemol® B 209-H

## High Performance Aluminium Rolling fluid

### DESCRIPTION

**TANDEMOL B 209-H** is designed to provide single stand aluminium rolling operations with a superior lubrication and cooling system. Selected lubricity components provide a continuous lubricating film necessary to produce optimum anodise metal quality on newer, higher speed mills.

**TANDEMOL B 209-H** contains a corrosion inhibitor package which will suppress the attack on steel surfaces from contamination of strong mineral acids in the rolling coolant.

**TANDEMOL B 209-H** is also inhibited against oxythermal degradation.

### FEATURES

- Excellent lubricity of higher loads and speeds
- Improved process compatibility
- Excellent corrosion protection
- Increased roll life, improve surface finish
- Excellent for all Alloys

### TYPICAL VALUES

Product Appearance	Clear Amber Oil
pH (5%)	8.2
Specific Gravity @15°C	0.930 kg/L
Free Fatty Acid	21.4 % as Oleic
Kinematic Viscosity @40°C	60 cSt
Total Alkalinity	0.78 % as KOH
Hydrophobic Viscosity @40°C	36 cSt
Flash Point (ASTM D 92):	205°C

### HEALTH AND SAFETY

Refer to MSDS for proper handling and disposal. Please note that the MSDS includes handling, health and disposal information which should be passed on to your employees, and to anyone else who comes in contact with our product. Additional advice can also be obtained from your local Houghton representative.

NOTE: Read and understand all precautions on container labels before using this product.

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This document contains information based on data that is believed to be correct. However, the product may not be applicable to all uses and operating environments. No warranty or guarantee is expressed or implied.

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### REFERENCES

Houghton recommends that periodic checks of **TANDEMOL B 209-H** should be carried out for:

- Uncombined Acid
- Total Ester
- Organic Soap
- Inorganic Soap
- Ash
- Hydrophobic Viscosity
- pH
- Concentration
- Conductivity

These can be routinely performed and organised through Houghton's Customer Service laboratory, please contact your sales representative for further information about this service.

### HOW TO USE

The recommended usage concentration of **TANDEMOL B 209-H** for rolling:

- 1000 series Aluminium is from 50:1 to 33:1
- 3000 series Aluminium is from 33:1 to 20:1
- 5000 series Aluminium is from 33:1 to 20:1

This may be customised to suit individual needs or solutions, which may vary from time to time. Houghton strongly advises that you contact your Sales Representative to discuss before commencement of use.

### SHELF LIFE & AVAILABILITY

Under normal conditions the recommended shelf life for **TANDEMOL B 209-H** is a minimum of Twelve (12) months, unless otherwise specified. The product should be stored inside (5-40°C) for no more than 1 year and be protected from freezing.

**TANDEMOL B 209-H** is available in Drum or Tote. Other sizes may be available upon request, please contact your Houghton sales representative.

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### RELATED PRODUCTS

- **TANDEMOL®**: Aluminium and Steel Hot and Cold Rolling Oils
- **CINDOLUBE™**: Aluminium Cold Rolling Oils
- **ROLKLEEN™**: Steel Cold and Hot Rolling Oils
- **HOUGHTO-ROLL™**: Steel Cold and Hot Rolling Oils
- **FENELLA SRC™**: Steel Cold Rolling Oils
- **FENELLA CSS™**: Stainless Steel Cold Rolling Oils
- **TEMPERSHIELD™**: Temper Fluid Rolling Oils
- **TEMPEROL™**: Skin Pass Fluid Rolling Oils
- **DASCOLENE™**: Straight OEM approved cutting oils
- **HOCUT®**: Water miscible metalworking fluids
- **HOUGHTO-GRIND®**: Straight and water miscible grinding fluids
- **HOUGHTO-DRAW®**: Straight and water miscible drawing stamping and forming fluids.
- **CINDOL™**: Straight and water miscible drawing and forming fluids especially for Aluminium parts.
- **CERFA-KLEEN®**: Water miscible cleaning fluids
- **RUST VETO®**: Straight and water miscible rust preventive fluids.
- **COSMOLINE®**: MIL-SPEC Straight and water miscible rust preventive fluids.
- **HOUGHTO-SAFE®**: Water-Glycol and Phosphate Ester fire resistant hydraulic fluids
- **COSMOLUBRIC®**: Water-Glycol fire resistant hydraulic fluids
- **HYDROLUBRIC®**: Synthetic water additive fire resistant hydraulic fluids



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