

# Product Data Sheet



Spray/09-1

## Binol Spray 12

Binol Spray 12 is an environmentally acceptable vegetable oil-based metal working oil for use in near dry machining applicators and systems.

These special systems in combination with the unique lubrication properties of the oil will result in extreme low annual consumption (app. 20 litres/nozzle).

The product is also recommended for operations in aluminium where the metal undergoes post heat treatment. Applied at a correct dosage, there is generally no need for additional post cleaning of components.

### Physical and Chemical Data (typical)

Analysis	Method	Unit	Results
Viscosity at 40°C	ISO 3104	mm <sup>2</sup> /s	10
Density at 20°C	ISO 3675	kg/m <sup>3</sup>	932
Colour	Optical		transparent
Odour	Nasal		very faint
Pour Point	In-house	°C	< -20
Flash Point	SS 150202	°C	207

### Health and Safety Data

Analysis	Method	Unit	Results
Acute Oral Toxicity	OECD 401, LD <sub>50</sub>	mg/kg	>2 000
Skin Irritation	OECD 404	-	non irritating
Acute Aquatic Toxicity	OECD 201-203, LC <sub>50</sub>	mg/l	>100
Biodegradability	OECD 301B	-	readily biodegradable

### Handling

- **Storage** Handling and storage temperatures > -15°C.  
Storage in closed container, preferably in the original package.
- **Packaging** Drums at 200 l, pails at 5 l.