

Castrol Hyspray V 1412

Premium ester based spray mist neat cutting oil

Description

Hyspray V 1412 is a premium chlorine and heavy metal free spray mist neat cutting fluid, based on advanced biodegradable natural ester technology.

Application

Hyspray V 1412 has been designed for spray mist applications on two channel system.

Hyspray V 1412 can be used for sawing, turning, drilling, milling and threading operations on aluminium, yellow metals, ferrous and steel alloys.

	Cast Iron	Low-medium alloyed steel	High alloyed steel /nickel-chromium alloys	Titanium alloys	Aluminium alloys	Yellow metals
Milling	✓✓	✓✓✓	✓✓✓	✓	✓	✓
Turning	✓✓	✓✓✓	✓✓✓	✓	✓	✓
Drilling	✓✓	✓✓✓	✓✓✓	✓	✓	✓
Threading	✓✓	✓✓✓	✓✓✓	✓	✓	✓
Reaming	✓✓	✓✓✓	✓✓✓	✓	✓	✓
Sawing	✓✓	✓✓✓	✓✓✓	✓	✓	✓

✓: indicating increasing suitability

Hyspray V 1412 should be used in combination with appropriate spray mist application equipment.

Advantages

- Good sprayability
- Excellent lubrication properties extend tool life and enable high surface finish and dimensional accuracy
- Our chlorine, mineral oil and heavy metal free formulation, based on advanced biodegradable ester technology improves the environmental profile
- High flashpoint and low evaporation improves the work environment
- Multi-metal machining using our superior additive technology provides opportunity for product consolidation

Typical Characteristics

Properties	Standard	Unit	Data
Appearance	Visual	Visual	Amber
Viscosity @ 40°C	DIN 51562	mm ² /s	42
Viscosity@ 100°F	ASTM D 446	SUS	213
Flashpoint COC	ISO 2592	°C	258
	ASTM D 92	°F	496
Copper corrosion	ISO 2160	3 hr at 100°C	1b
	ASTM D 130		

	ester	active sulphur	inactive sulphur	phosphorous	calcium	chlorine	zinc
Additives	+	-	+	+	-	-	-

Castrol, Hyspray, and the Castrol logo are trademarks of Castrol Limited, used under licence

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet.

It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Castrol Limited, Pipers Way, Swindon, Wiltshire SN3 1RE, UK
www.castrol.com/industrial
www.castrol.com/industrial