

Metalworking Fluids

Fusion 460

Emulsifying Additive



Natural Petroleum Sulphonate

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Application

Polartech® Fusion 460 is a medium MW natural petroleum sulphate, obtained by sulphonation of selected petroleum base oil. This product benefits particularly from a lower viscosity to enable easier pumping and handling.

Typical applications include:

- Emulsifier for metalworking fluids

Polartech® Fusion 460 is free from:

- Carboxylates
- Asphaltenic acid and derivatives
- Chlorine derivatives
- Heavy metals

Typical Technical Data

	ASTM Standard	Minimum	Typical
Sulphonate %	D-3712	61	63
Mineral Oil %	D-3712	32	35
Inorganic Salts %	D-3172	-	0.4
Water %	D-95	-	2.5
Avg. Equivalent Weight	D-3712	430	470
Sulphated Ash Content %	D-3172	-	5.6
Colour	D-1500	-	5.0
Flash Point, °C	D-92	160	-

Key Performance Benefits

Balanced emulsifier

Good anti-corrosion properties

Light colour and low odour qualities

Storage

- Store inside warehouse, ideally between 10°C and 30°C
- Store out of direct sunlight
- Shelf life of 6 months from date of supply
- Avoid water collecting on barrel top

Regulatory Status

 EINECS/ELINCS	 TSCA	 DSL/NDSL	 NICNAS-AICS	 ECL	 METI-ENCS	 PICCS	 SEPA-IECSC
✓	✓	✓	✓	✓	✓	✓	✓

A full safety data sheet is available on request. Additional information including advice on suitable disposal methods is also available from the Afton Technical Department.