STAR SYNCUT SP 10

Last Updated: 09.01.2025
Product Code: MW0955

STAR SYNCUT SP 10 is a technically advanced neat cutting and grinding fluid being formulated using an advanced synthetic ester to provide enhanced polar lubrication that also includes extreme pressure additives to further improve product performance. This technology has been designed specifically for use in arduous metal cutting and grinding applications where fluid performance can achieve significant improvements in tool life and surface finish. The use of high viscosity ester synthetic base stocks, advanced lubricity esters and phosphorous additives combine to achieve a high flash point, increased performance and long service life. The low viscosity also provides excellent flushing, penetration and filterability characteristics and due to its low volatility and wetting properties reduces product consumption over conventional oils.

APPLICATION

Used as received for machining and grinding medium to high tensile steel, yellow metals, aluminium alloys and stainless steel. Especially suited for high speed sliding head and multi- slide machines. As the product is formulated using high viscosity index base oils the product can also be used as a lubricating oil where a viscosity of ISO 10-22 is required and therefore can be utilised in automatic machines where cross leakage into gearboxes can occur.

BENEFITS

- EHP ester formulation with a very high flash point, greatly reduces the risk of fire in the event of a tool crash.
- The synthetic ester formulation greatly assists the dispersal of heat away from the machinetool.
- Chlorine free, non-active EP additive package.
- Extended tool life capability offers increased cutting speed and improves productivity.
- Compatible for use with yellow metals withoutstaining.
- Good workpiece visibility.
- Excellent operator acceptability, low misting.

TYPICAL PROPERTIES

Appearance	Water White	
Kinematic Viscosity @ 40°C	10.0 cSt	
Specific Gravity @ 15°C	0.838 Copper Corrosion Test	1a
Chlorine	No	
Sulphur	No Ester	Yes

HEALTH & SAFETY

Please refer to the Safety Data Sheet, freely available, for product handling and disposal advice. Please note that the SDS includes handling, storage, health and disposal information which should be passed on to anyone else who comes in contact with our product. Additional advice can also be obtained from your local representative.

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

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