



TRICOOL

– International –

Ava 350C

Ava 350C is a secondary amine free, synthetic corrosion inhibitor package for the manufacture of high performance, multi-metal compatible chlorine-free cutting and grinding fluids.

Features

- Excellent corrosion protection
- Secondary amine free
- Stable solutions
- Very low foaming
- Outstanding fines separation
- Excellent flushing
- Low fluid residue formation
- Free from nitrites, phenols, chlorine & PTBBA

Sales Specification

Parameter	Specification
Appearance	Yellow Clear Fluid
Specific Gravity at 20c	1.13-1.15
Total Alkalinity, % weight KOH	23
Stability @ 0c	Clear Stable Fluid
Stability @ 40c	Clear Stable Fluid



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Blending Options

Synthetic Grinding Fluid Formulations:

Blend A	Ava 350C	@ 30%
	Water	@ 70%
Blend B	Ava 350C	@ 40%
	Water	@ 60%
	Dye	@ 0.02% (If Required)

Synthetic Cutting Fluid Formulations:

Blend C:	Ava 350C	@ 50%
	Water	@ 30%
	PAG (water soluble)	@ 20%
Blend D:	Ava 350C	@ 40%
	Water	@ 50 %
	PAG (water soluble)	@ 10%
Blend E:	Ava 350C	@ 40%
	Water	@ 55%
	PAG (water soluble)	@ 5%



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Typical Finished Basic Blend Data

Blend A:	Appearance	Clear Yellow
	pH @3 %	9.0
	IP287 %	3.5
Blend B:	Appearance	Clear Yellow
	pH@3 %	9.0
	IP287 %	3.0
Blend C:	Appearance	Clear Yellow
	pH@3 %	9.0
	IP287 %	2.5
Blend D:	Appearance	Clear Yellow
	pH@3 %	9.0
	IP287 %	3.0
Blend E:	Appearance	Clear Yellow
	pH@3 %	9.0
	IP287 %	3.0

Blending Advice

Temperature is optimum at 20c-30c
Ava 350C should be placed in a blending vessel
Add de-ionised water slowly with constant stirring
Add PAG with constant stirring
Add dye (if required) slowly, with constant stirring

Storage Advice

Ava 350C should be stored under cover out of direct sunlight and protected from extreme temperatures, ideally at 10c-30c. Avoid water being collected on the rim of drums. Ava 350C has a shelf life of 12 months from the date of supply when stored under the recommended conditions.



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