

# TECHNICAL DATA SHEET

## SITALA® AY 402.01

### WATER SOLUBLE METALWORKING FLUID

SITALA® AY 402.01 is an emulsifiable, boron and amine-free metalworking fluid forming a stable macroemulsion based on high quality mineral oil and polar lubricity additives.

The product has low working pH for outstanding operator friendliness and is free from boron, amines and formaldehyde.

#### Applications

SITALA® AY 402.01 is a non-staining, low pH, low alkalinity product formulated specifically for machining of yellow metals.

The product is designed for soft to medium hardness and for use in single sump machines. It is not normally used in large central systems.

#### Recommendation For Use

General machining 5-6 %

Heavy duty machining 6-10 %

#### Benefits

- Yellow metal compatible formula : inhibits staining of components
- Inhibits copper soap formation : no discoloration of emulsion or build-up of copper soap residues on machines
- Low alkalinity formula : operator friendly with reduced exposure hazards
- Low foaming : ideal for high speeds and pressures in soft to medium water hardness
- Excellent detergency : cleaner parts, machine tools and working environment
- Boron-free : no SVHC classification under REACH
- Excellent EHS profile : Boron, formaldehyde, amines, and chlorine-free

#### Health, Safety And Handling

Please consult the Safety Data Sheet (SDS) for information on storage, safe handling and disposal. The conditions or methods of handling, storage, use and disposal of the product are beyond our reasonable control - we assume no liability for any ineffectiveness of the product or any injury or damage, arising out of or in connection with these conditions.

#### Typical Physical Properties

PROPERTY	TYPICAL VALUE	UNIT
Concentrate Appearance	Amber oil	
Specific Gravity @20°C	0.93	DIN 51757
Refractometer Factor	0.9	HIM 53
Emulsion Appearance	Milky white	
pH @6%	8.4-8.8	DIN 51369

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