



January 1, 2013

## ACTIVECOOL 180 SYNTHETIC MACHINING FLUID

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### Application

- ACTIVECOOL 180 is recommended for heavy duty machining and grinding of non ferrous metals. It can also be used for a multi metal misting fluid at typical dilutions of 3 – 7%.

### Features

- It leaves a soft, non-sticky liquid film that is easily rinsed.
- Low foaming, low misting
- Settles chips and swarf quickly
- High performance, heavy duty synthetic
- Operator friendly - does not have any oil mist, dependable long sump life without odor problems associated with soluble oils.
- Economical long lasting, biostable coolant with rancidity control. Its long life reduces expensive and time consuming coolant tank recharging
- Does not contain Nitrites or DEA (Diethanol Amine)

### Typical Properties

Appearance:	Clear Yellow
Solubility in water:	100%
pH at a typical 5% dilution:	8.8
Boiling Point:	100°C
Flash Point, COC	none
Freezing Point, (pour point)	-10°C
Refractive Index at a typical 5% dilution:	2.8
Refractometer Multiplier:	1.8

To determine the approximate concentration of the coolant, multiply the scale reading on the Refractometer by the Refractive Multiplier. You must ensure that the Refractometer is calibrated to 0.0 with water and that most of the tramp oil in the sample has been removed.

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The information contained here represents typical product characteristics. Improvements to the formulation or normal variations in manufacturing may cause variations in the above data. This data is not intended to represent any guarantee or warranty with the intended use of the product.

For additional information regarding ACTIVECOOL 180 please refer to its MSDS or contact our technical support staff at 1-877-737-0141.

# WHMIS MATERIAL SAFETY DATA SHEET

## ACTIVECOOL 180

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### CHEMICAL PRODUCT AND COMPANY INFORMATION

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Supplier/Manufacturer: Active Industrial Fluids Inc.  
5156 Hennin Drive, Oldcastle ON Canada N0R 1L0

Emergency or General Information: 1-877-737-0141  
Generic Name: Water Soluble Metalworking Fluid Concentrate  
Prepared: January 1, 2013

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### HAZARD INFORMATION

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	HMIS Hazardous Index		NFPA Rating
General Use: Metalworking Coolant	H = 1	Health	H = 1
WHMIS Classification: D2B	F = 0	Fire	F = 0
Transportation Classification: Not Regulated	R = 0	Reactivity	R = 0
	PP = B	Protection	Special Hazards = none

Key    0 = minimal    1 = slight    2 = moderate    3 = serious    4 = severe    B = gloves, safety glasses

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### HAZARDOUS INGREDIENTS

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Ingredient	Approximate Concentration	CAS Number	Exposure Limits
Carboxylic Acid Amine Salts	< 35%	Mixture	N/E

N/E – not established    N/A – not available

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### PHYSICAL CHARACTERISTICS

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Appearance: Clear Yellow liquid	Evaporation Rate: less than ether
Specific Gravity: 1.08	Boiling Point: 100°C
pH neat: 8.9	Freezing Point: 0°C
% volatile: N/A	Solubility in Water: 100%
Vapour Density: heavier than air	Vapour Pressure: N/A

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### FIRE AND EXPLOSION INFORMATION

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Flash Point: not flammable

Hazardous Decomposition Products: oxides of carbon, oxides of nitrogen

Fire-fighting Procedures: this product is not flammable

Special Fire & Explosion Hazards: never use a torch to cut or weld on or near a drum (even empty) because of a potential for drum explosion

# ACTIVECOOL 180

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## TOXICOLOGICAL PROPERTIES

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Threshold Limit Value: see Hazardous Ingredients section

Effects from acute overexposure:

Skin: may cause irritation

Eyes: may cause irritation

Inhalation: may cause irritation or discomfort to nasal and respiratory passages

Ingestion: may cause gastrointestinal irritation, large amounts may cause serious harm

Other Data: N/A

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## FIRST AID MEASURES

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If on skin: Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.

If in eyes: Flush eyes with large amounts of water for 15 minutes. If irritation persists, seek medical attention.

If inhaled: Remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Seek medical attention.

If ingested: If swallowed, do not induce vomiting. Seek medical attention immediately.

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## REACTIVITY INFORMATION

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Hazardous Polymerization: will not occur

Stability: stable

Incompatibility: avoid strong oxidizers, or strong mineral acids

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## PREVENTIVE MEASURES

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Small Spill: absorb liquid on paper, vermiculite, floor absorbent or other absorbent material

Large Spill: stop spill at source, dike area to prevent spreading. Pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers.

Respiratory Protection: not normally required

Ventilation: provide sufficient ventilation to maintain exposure below TLV's

Protective Gloves: protective gloves recommended

Eye Protection: safety glasses recommended

Other Protective Equipment: to prevent repeated or prolonged exposure, wear impervious clothing and boots

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