



Recommended dilution ratio (40:1)



Refractometer

## GRINDING COOLANT

***SAFETY-COOL 9951 For Fast Cooling on Hot Jobs!***

### GENERAL DESCRIPTION:

***SAFETY-COOL 9951*** is a synthetic cutting fluid concentrate used for cutting and grinding all metals. It is particularly effective on hardened tool steels and high-speed operations because superior wetting qualities allow it to penetrate to the edge of the cutting tool and quickly dissipate heat.

***SAFETY-COOL 9951*** allows increased feeds and speeds; permits greater production and increases tool life by preventing heat accumulation and inhibiting rust formation.

***SAFETY-COOL 9951*** out performs ordinary and grinding fluids by providing exceptional lubricating properties. Wheels stay open for faster metal removal, less wheel dressing, decreased wheel wear and loading, improved finish and increased production.



***SYNTILO® 9918 Is an operator friendly – Neutral pH*** synthetic cutting and grinding fluid that combines optimum machining performance with minimal mist—resulting in *less dermatitis*. This increases productivity with higher operator acceptance!

### KEY PERFORMANCE BENEFITS

- Low Mist – Low Odor
- Excellent rust protection
- Minimizes rancid odors
- Settles chips and swarf quickly for a cleaner work area
- Low foaming
- Prevents bimetallic corrosion
- Excellent bioresistance
- Reduces down time by extending system life

Product Number	Description	Standard Package
SC-9951-1	1 Gallon of Safety-Cool 9951	1 Gallon Jug
SC-9951-5	5 Gallons of Safety-Cool 9951	5 Gallon Bucket
SC-9918-1	1 Gallon of Safety-Cool 9918	1 Gallon Jug
SC-9918-5	5 Gallons of Safety-Cool 9918	5 Gallon Bucket



A Helping Hand

### Ways to Extend Coolant Life:

1. Regular Filter Changes
2. A sediment trap to catch the majority of metal filters will help greatly in life extension. A clean one gallon container with the return line from the grinder going into it will act as a sediment trap.
3. Put a large magnet (in a self-sealing bag) in your tub near the drain hole to catch a lot of ferrous metal finings prior to them going into the coolant reservoir.
4. Add an aquarium pump to keep the coolant moving. This increases coolant life.

## REFRACTOMETER

With the Refractometer Coolant Tester, you can save money two ways...by using only as much coolant as you need and by better maintaining your equipment for longer life.

Proper concentration of coolant saves money upfront and in the long run. A cutting and grinding mixture that is too rich will waste expensive coolant, while a mixture that is too lean can shorten the usable life of equipment. Better monitoring of coolant can improve grinding finish, increase wheel life, and control corrosion.

- Optimizes coolant use and tool life
- Easy to Use
- Accurately measures coolant concentration
- Use for general purpose application
- Graduation (%) 0.2
- Solution measuring range (%) 0-32
- Includes instructions and case

Product Number	Description
REFRACTOMETER	Coolant Tester