



**INTRODUCING QUICK SMART LUBRICANTS, A SMALL NICHE
MARKET SPECIALITY COMPANY CATERING FOR YOUR INDUSTRIAL OIL
REQUIREMENTS.**

**METAL WORKING FLUIDS
NEAT METAL WORKING FLUIDS**

A comprehensive range of neat cutting oils for the machining operations of both ferrous and non-ferrous metals is available. The products range from inexpensive oils for non-critical operations to premium quality oils for exacting precision processes.

KOOL KUT 1 EMULSIFYING CUTTING OIL

DESCRIPTION Kool Kut 1 is a general purpose E.P. Nitrate free emulsifiable cutting oil which forms a milky white emulsion when added to water.

APPLICATION Basically, water soluble cutting oils are used in operations where the necessity of good cooling overweighs the need for lubrication. Other effects such as economy, corrosion protection, disposal of used coolant etc. must be considered and may have a decisive effect on the choice of cutting fluid.

An intrinsic characteristic of Kool Kut 1 is its inbuilt protection against bacteria. This is as effective and much longer lasting than the proteos offered by added bactericides. To produce a homogeneous emulsion, Kool Kut 1 should always be added to water (with agitation) not vice versa.

For general machining requirements, a concentration of 1 part Kool Kut 1 added to 20 parts of water (5%) will give good results on free machining requirements, a concentration, stronger than 1 part oil -10 parts water (10%) is seldom necessary as performance is not significantly improved beyond this level - while detrimental effects such as foaming can be created.

When using as a grinding fluid, Kool Kut 1 should not be used at a weaker concentration than 1 part oil to 50 parts water. Weaker concentrations will significantly reduce the protection against corrosion. Conversely, stronger concentrations may result in clogging of grinding wheels and glazing of the work piece.

General Recommendations for Use

Machining:	Mild Steels & Brass	20/1 (ie 20 parts water/1 part oil)
	Medium Steels	15/1
	Hard Steels	10/1
	Aluminium	25/1
	Grinding	40-50/1

KOOL KUT 1 (Soluble Cutting Fluid)	SIZE	CTN QTY
KK1-1	1LTR	12
KK1-5	5LTR	4
KK1-20	20LTR	1
KK1-205	205LTR	1



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