

ATLANTIS COOL-CUT

IS: 1115 – 1986 (RA 2002)

Product Data Sheet

PRODUCT DESCRIPTION: ATLANTIS COOL-CUT is MULTI-PURPOSE SOLUBLE CUTTING OIL manufactured from carefully selected paraffinic base oils and proprietary emulsifiers which have a bearing on the stability of the emulsion even with water of 400 ppm hardness. A sable milky white emulsion is prepared by adding the oil to water with continuous stirring. ATLANTIS COOL-CUT gives the desired cooling characteristics, provides rust protection, lubricity fire the cutting operation with good finish of work piece and longer life for tools. ATLANTIS COOL-CUT is also fortified with appropriate biocides to keep control of bacterial growth.

APPLICATION: ATLANTIS COOL-CUT is recommended for variety of cutting operations in both ferrous and non-ferrous metals. For general machining operations the emulsion is normally prepared with 5% oil and for grinding operation the emulsion has 2% of oil.

CAUTION: Not recommended for magnesium as fine chips of magnesium is a fire hazard when moistened with water.

PERFORMANCE LEVEL: Meets IS 1115-1986 (RA 2002)

Typical Properties

CHARACTERISTICS	ATLANTIS COOL-CUT
Water, % mass, Max	10.0
Copper strips corrosion at 100°C for 3 Hrs, Max.	1 (a)
Emulsion Stability Test, 5.1 and 20:1 ratio in water of 400 ppm hardness	Passes
Thermal stability Test	Passes
Ash, % by mass, Max.	3.5
Frothing Test, 5.1 and 20.1 ration in water of 200 ppm	Passes
Flash Point, COC, °C, Min.	150
Cast Iron corrosion test	0/1-1

These are typical figures and do not constitute specification. In pursuit of continuous improvement, these figures may be changed without notice at sole discretion of Aryan Lubricants Pvt. Ltd.