

**HOUGHTON ITALIA S.p.A.**



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# MARTEMP 195/AR

## MARTEMPERING OIL

MARTEMP 195/AR is a solvent refined mineral oil based fluid at short distillation range. MARTEMP 195/AR is formulated with antioxidant additives which grant high resistance to wear and guarantee uniformity of performances in severe working conditions.

### CHEMICAL-PHYSICAL CHARACTERISTICS

Appearance	Limpid liquid
Viscosity at 40°C [cSt]	75-85
Specific gravity at 15.5°C	0.875
Flash point [°C]	226°C
Temperature of exercise [°C]	80°C-140°C

### APPLICATION

MARTEMP 195/AR is indicated in those quenching operations where high cooling speed or minimum distortion are required.

MARTEMP 195/AR performs particularly well at temperature ranging 50–120°C in controlled atmosphere furnaces, for the treatment of complex pieces.

MARTEMP 195/AR can also be used at ambient temperature. If used at temperatures ranging 30–50°C its cooling speed is similar to a common quenching oil.

### DEGREASING OPERATION

MARTEMP 195/AR can be removed with the use of traditional degreasing agents.

HOUGHTON recommends CERFA-KLEEN 3550 and CERFA-KLEEN 5380.

MARTEMP 195/AR can be supplied in the washable version and it can be removed with water.

### STORAGE

Water contamination can cause problems such as distortion and breaking of the components as well as increasing fire hazards. Drums must be hermetically closed and stored indoor, while containers must be waterproof.

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#### PACKAGING

MARTEMP 195/AR is supplied in 180 kilo drums and/or in bulk.

#### SAFETY MEASURES

MARTEMP 195/AR is formulated with mineral oil. It does not contain toxic and/or harmful materials and does not require particular care during handling, except for normal attention paid to industrial products.

#### WASTE TREATMENT

MARTEMP 195 /AR cannot be directly discharged. Follow national or local instructions.

C/99-X98185- APPROVAL : D.PETTA