

AQUA-QUENCH C

Advanced Polymer Quenchant

DESCRIPTION

Aqua-Quench C is an advanced polymer quenchant designed for both low and high harden-ability steel applications including forged parts, coils of wire and bar stock. In special steels, martensitic stainless and titanium alloys.

APPLICATION

The quenching characteristics of Aqua-Quench C can be varied between those of water and normal speed cold quenching oil by varying the concentration of the solution. The concentration of Aqua-Quench C must be regularly controlled by:

Refractometer: a workshop method, easy and rapid, adapted to clean solutions

Kinematic Viscosity: a more effective method of control

Aqua-Quench C can be used in many different types of furnace applications including continuous mesh belt, shaker hearth and rotary furnaces as well as for direct quenching into open quench tanks.

DATA (TYPICAL VALUES)

Appearance	Clear to slightly hazy liquid
Kinematic Viscosity @100 °F (37.8°C)	500 cSt
pH	9.0
Specific Gravity @ 60 °F (15.6°C)	1.04

Date | version
Code

FEATURES/ BENEFITS

- Advanced polymer quenchant providing oil-like quenching characteristics and less distortion eliminating the need for re-work
- Water based quenchant to eliminate fire hazard and smoke associated with quenching oils along with cleaner parts and safer working environment
- Flexibility of quenching speed helps to minimize distortion and provide excellent dimensional control
- Nitrite free corrosion inhibitor providing good short term rust protection of heat treated components

HEALTH AND SAFETY

Refer to MSDS for proper handling and disposal. Please note that the MSDS includes handling, health and disposal information which should be passed on to your employees, and to anyone else who comes in contact with our product. Additional advice can also be obtained from your local Houghton representative.

NOTE: Read and understand all precautions on container labels before using this product.



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